



MAHATMA GANDHI UNIVERSITY

**INTERNAL QUALITY ASSURANCE CELL
PRIYA DARSINI HILLS PO, KOTTAYAM, KERALA**

Annual Quality Assurance Report

[2013-14]

Submitted to the
**National Assessment and Accreditation Council
(NAAC)**

Part – A

1. Details of the Institution

1.1 Name of the Institution

Mahatma Gandhi University

1.2 Address Line 1

Priyadarsini Hills P O

Address Line 2

Athirampuzha

City/Town

Kottayam

State

Kerala

Pin Code

686560

Institution e-mail address

registrar@mgu.ac.in

Contact Nos.

+914812731001, +914812731007

Name of the Head of the Institution:

Dr. Sheena Shukkur

Tel. No. with STD Code:

+914812731001

Mobile:

+918547889278

Name of the IQAC Co-ordinator:

Prof. (Dr.) R Vijayakumar

Mobile:

9446506732

IQAC e-mail address:

iqac@mgu.ac.in

1.3 NAAC Track ID

KLMGU 68656

1.4 NAAC Executive Committee No. & Date:

EC/54/RAR/121 dtd 08/01/2011

1.5 Website address:

www.mgu.ac.in

Web-link of the AQAR:

http://mgu.ac.in/index.php?option=com_content&view=article&id=1648&Itemid=1619

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+		2003	15 th September, 2008
2	2 nd Cycle	B	2.90	2011	6 th Jan 2016
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC:

DD/MM/YYYY

03/11/2009

1.8 AQAR for the year (*for example 2010-11*)

2013-14

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR 2011-12 -----(12/01/2016)
ii. AQAR 2012-13 -----(10/02/2016)

1.10 Institutional Status

University

State

Central

Deemed

Private

Affiliated College

Yes

No

Constituent College

Yes

No

Autonomous college of UGC

Yes

No

Regulatory Agency approved Institution
(eg. AICTE, BCI, MCI, PCI, NCI)

Yes

No

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

Technology & Applied Sciences, Behavioural Sciences, Environmental & Atmospheric Sciences, Paramedical Sciences, Journalism

1.12 Name of the Affiliating University (*for the Colleges*)

NA

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc - NA

Autonomy by State/Central Govt. / University

- NA

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

Inter School Centres established during 2012-13

- a. National Institute of Plant Science and Technology (NIPST)

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="9"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="Nil"/>
2.3 No. of students	<input type="text" value="Nil"/>
2.4 No. of Management representatives	<input type="text" value="2"/>
2.5 No. of Alumni	<input type="text" value="Nil"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="Nil"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="Nil"/>
2.8 No. of other External Experts	<input type="text" value="03"/>
2.9 Total No. of members	<input type="text" value="14"/>
2.10 No. of IQAC meetings held	<input type="text" value="Four"/>
2.11 No. of meetings with various stakeholders: No.	<input type="text" value="1"/> Faculty <input type="text" value="1"/>
Non-Teaching Staff /Students	<input type="text" value="1"/> Alumni <input type="text" value="1"/> Others <input type="text" value="1"/>
2.12 Has IQAC received any funding from UGC during the year? Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text"/>
2.13 Seminars and Conferences (only quality related)	
(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC	
Total Nos.	<input type="text" value="4"/> International <input type="text" value="Nil"/> National <input type="text" value="2"/> State <input type="text" value="0"/> Institution Level <input type="text" value="2"/>

(ii) Themes

- i. International Workshop on Building up Research- organized by School of Behavioural Sciences (12th Aug 2013- 13th Aug 2013)
- ii. Inauguration of the first seminar on Current trends in Material Sciences conducted at Advanced Molecular Materials Research Centre on 15-11-2013
- iii. Organised Seminar on “Emerging Kerala and the Budget 2013-14 Symposium held on March 2013
- iv. Organised a one day ISTE e-Workshop on “Creative Teaching” at School of Computer Sciences, October 2013.
- v. Organised a workshop on Course on Research Methodology in Education from 12th to 14th August 2013

2.14 Significant activities and contributions made by IQAC

- a. Organised two National Seminars and two Institutional Level Seminars related to Quality Assurance in University
- b. Two orientation programmes were conducted for the teaching faculty of the University
- c. The construction of the Convergence Academia Complex to house all the Inter University and Inter School Centres have commenced following a recommendation from IQAC.
- d. University have successfully completed the trial run of the ambitious project – online examination at School of Computer Sciences.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

Plan of Action	Achievements
Revision of syllabi and curriculum	Syllabi and curriculum are frequently updated by the respective faculty councils with the formal approval of the CSS Academic Advisory Committee. Syllabi and curriculum of the UG & PG programmes conducted in affiliated colleges are revised periodically by the respective Board of Studies.
Establishment of Inter School Centres for supporting the academic activities of the Schools / Departments	Following Inter School Centres were established with financial support from various funding agencies in the year 2013-14 a. National Institute of Plant Science and Technology (NIPST)

Academic and Administrative Audit	Academic and Administrative Audit was conducted in all the Schools and Departments
Providing basic amenities to the employees	The construction of Professor's and Lecturer's quarters is being progressing fast. Construction of the Staff Quarters has been completed and has been allotted.
To conduct one day workshop for the faculty members, alumni, students and stakeholders on various themes to be suggested by the IQAC for quality enhancement	The workshops were conducted for the faculty members, alumni, students and stakeholders
Construction of the Convergence Academia Complex	Construction of the Convergence Academia Complex –envisaged to house all the Inter University and Inter School Centres of the University to facilitate and promote inter disciplinary and participatory research have been commenced. The Central Public Works Department have been entrusted with the constructed work and is progressing quite fast.
Organising seminars/workshops/symposia/academic carnivals in various Departments/Schools/Centres	Various Statutory Departments/Schools/Centres have been given financial assistance for organising seminars/workshops/symposia/academic carnivals. University have allocated budgetary provision of Rs 25,00,000/- (Rs Twenty Five Lacs only) to various Departments/Schools/Centres to organise Seminars on Curriculum Development/Symposia and Workshops.
Modernisation of Examination Procedures	The genuine modernisation of the University System, especially the examination related activities are being carried out in a big way with the help of ICT. University have started to issue Computer generated Degree Certificates from the academic year 2013-14. As part of adopting automated system of conducting examinations. The system is expected to reduce the delay in the declaration of the examination results. The University completed the trial run of the ambitious project recently – an internal examination conducted online for M Sc Computer Science students at the School of Computer Science.

	Online registration for the candidates of private registration has been implemented in the year 2013-14.
Syllabus revision by Board of Studies	The respective board of studies in various programmes conducted workshops for improving the curriculum. Curriculum review workshops are organised in Malayalam, English, Sanskrit, Tamil, Music, Chemistry, Botany, Physics, Mathematics, Commerce, History, Aquaculture and fisheries, Philosophy, Sociology, Economics Board for studies at various College and in the University.
Expansion of NSS activities in the colleges affiliated to the University	The NSS programme coordinator as well as the University have received the prestigious India Gandhi award for the best coordinator and University at National level.
International Collaborations and Linkages	Among the various Departments and Schools, the School of Environmental Sciences was selected for the Obama Singh 21 st Century (Collaborations with Duke University & Plymouth State University, (an Indo - US Institutional partnership programme) Knowledge Initiative Programme. Various other linkages and collaborations have been signed by the other academic departments also. The International and Inter University Centre for Nanoscience and Nanotechnology have industrial collaboration with industries like Apollo tyres, MRF Tyres, General cables besides collaborating with various foreign institutions.

2.16 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

The AQAR was placed in the Syndicate dated 18/12/2015 by the Vice Chancellor

Part – B (2012- 13)

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	61	-	1	-
MPhil	26	-	1	-
PG	36	-	19	-
UG	2	-	25	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	1	-	-	-
Certificate	13	-	-	-
Others	1	-	-	-
Total	133	-	46	-
Interdisciplinary	23	-	-	-
Innovative	8	-	-	-

Please see annexure 1.1

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of Programmes
Semester	94
Trimester	-
Annual	18

1.3 Feedback from stakeholders*

(On all aspects)

	Alumni	<input type="checkbox"/> Yes	Parents	<input type="checkbox"/> Yes	Employers	<input type="checkbox"/> Yes	Students	<input type="checkbox"/> Yes
Mode of feedback:	Online	<input type="checkbox"/> Yes	Manual	<input type="checkbox"/> Yes	Co-operating schools (for PEI)			<input type="checkbox"/> Yes

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- The UGC regulations for pursuing Ph D Degree in various disciplines have been implemented successfully.
- Syllabus for the coursework has been designed and finalised after due consultations with the experts in the field.
- The Faculty council of the schools updates the syllabi periodically to integrate the latest knowledge.
- Every semester, the syllabi and the regulations undergo stern assessment by the Faculty Council of each school.
- University have resorted to incorporate more interdisciplinary component in the syllabi.
- Open courses from various disciplines with freedom of choice and with sufficient credits were introduced in each programme during the year.
- Integrated PhD programme in Nanosciences and Nanotechnology have commenced in the current academic year.
- The CSS Academic Advisory Committee has been constituted to continuously monitor and evaluate the Credit and Semester System followed in the University Schools and Departments.
- The respective board of studies in various programmes conducted workshops for improving the curriculum.
- Curriculum review workshops are organised in Malayalam, English, Sanskrit, Tamil, Music, Chemistry, Botany, Physics, Mathematics, Commerce, History, Aquaculture and fisheries, Philosophy, Sociology, Economics Board for studies at various College and in the University.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

a. National Institute of Plant Science and Technology (NIPST)

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	102	47	25	28	208

2.2 No. of permanent faculty with Ph.D. 116

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	5	15	7	4		4	-	-	12	23

2.4 No. of Guest and Visiting faculty and Temporary faculty 110 49 49 +353

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	86+8	145+11	41+54
Presented papers	82	132	29+4
Resource Persons	34+1	73+1	42+3

Please see annexure 2.5

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The Schools have sustained innovative transparent and rigorous internal tools to weigh up the cognitive faculty of students and research scholars as well as to determine the depth of knowledge, intelligence and articulation they have gained over time. Periodic review sections are put in place, group-wise and individual-wise, to keep an eye on the levels of disparity, if any, and to recommend remedial means thereof. The Schools have developed a learner- friendly, need- based instructional/learning system to endow the students and research scholars with adequate skills and capacity to meet the emerging challenges. The instructional pattern, a part from its information- based mode, inculcates values of theory-embeddedness, self-reflexivity and policy- alternative thinking. The learner-friendly instructional system seeks to foster cognitive-analytical skill of students and, wherever necessary, provides space for the empowerment of the disadvantaged in the learning process through informal counselling and tutorial interface. While classroom lectures continue to be an essential prerequisite for the imparting of knowledge, periodic seminars, book/article review sections and group interface provide the necessary intellectual climate for the learning and research in the school. The Schools have also introduced a variety of audio-visual information systems such for lectures and seminars. Students get opportunity to interact with Nobel laureates and outstanding academic personalities through the prestigious Erudite Scholar in Residence Programme introduced by the Kerala State Higher Education Council. The Erudite Scholar in Residence programme was effectively utilized by various Schools to organise lectures and interactive sessions of Doyens of international repute. The smart class rooms in the Schools and Departments of the University have state of art electronic facilities. 24X7hr accessibility to e-resources through our cyber consortium is available. Most of the online journals are available in all University Schools and Departments besides the Central Library. University have introduced MOOC programmes in Nanoscience & Nanotechnology and Environmental Science. University have online repository of digitized theses of doctoral degrees awarded so far. Most of the University Departments/Schools have smart classrooms especially ICT enabled classrooms for conducting seminars and facilitating participatory education. Extensive filed work, online interactive session with the academicians and researchers worldwide. University have introduced formative and summative assessment index and open book system course assessment.

- Use of Audio Visual Aids like LCD Projectors, Speakers, portable mikes etc- Smart Class rooms with white boards
- Assignments- Seminars- Tutorial- e learning- role plays in language classes (English and French), Group Discussion- Mock interviews
- Semester Plan for overall academic planning and timely execution-
- Destination Visits
- Student Newsletters titled Eco voice and Hue
- Use of ODLL Language learning Software in Language Lab to enhance Communication skills
- SPSS Software for tourism research purpose used in the SPSS Lab
- Two months internship training in collaboration with the industry:- constant validity check using DPR (Daily Progress Report), IEF (Internship Evaluation Form) and Internship certificate
- WIFI connectivity in the School to enhance e- learning
- Lesson Plan system for timely and effective execution of each course
- Use of tourism educational aids and DVDs from INSIGHT MEDIA, Newyork
- Use of online reservation systems (GALILEO & AMADEUS) and software systems like VIRTUAL HOTEL, VIRTUAL TRAVEL AGENCY & VIRTUAL FOOD & BEVERAGE from Mundus Education Corporation, USA to improvise the technical skills of the student's.
- remedial class for the weak wings.
- Introduced Edmodo, a digital online teaching learning interactive platform to enrich the teaching learning quality, crossing the barriers of time and place through its superior features like online discussions, online tests, pooling resources, online submission of assignments etc.

Please see annexure 2.6

2.7 Total No. of actual teaching days during this academic year

191

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Double Valuation, Online Internal exam, Open Book Examination, Machine interface exam for the qualitative improvement of listening skills of students

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/ Curriculum Development workshop

63	49	37
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2.10 Average percentage of attendance of students

87

2.11 Course/Programme wise Distribution of pass percentage:

Title of the Programme	Total no. of students appeared	CGPA			
		> 8.00	6.00-7.99	5.00-5.99	Pass %
PG	393	43	297	18	91.1
PhD Course Work		-	-	-	-
UG	74		33	32	87.84
M Phil	53	8	45	-	100
Others	51	20	31	-	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

IQAC conducts periodic meetings to monitor the academic programmes of various academic Schools/Departments and makes suggestions and recommendations in the department council. The IQAC team prepares strategies at Schools/Department level for qualitative teaching and research. Periodic Academic Audit and assessment based on PBAS furnished by the teaching faculty is carried out by the IQAC and evaluation reports are sent to each Head of the Department/School for compliance. IQAC have directed the Schools/Departments/Centres to continuously evaluate through internal tests, assignments and seminars, direct question answer sessions, remedial coaching, tutorials, Subject familiarization through videos, visiting resource persons and special lectures and expert lectures from industry. The IQAC prepares a plan of action for each semester at the commencement of the semester and ensures that all activities get completed as per schedule. The schedule is also given to the students so that they can plan their studies accordingly. The IQAC also collects feedback from students and gives valuable suggestions and guidelines as and when needed. IQAC also improves faculty motivation for competence and promotes adoption of innovative teaching learning strategies.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	11
UGC – Faculty Improvement Programme	11
HRD programmes	4
Orientation programmes	40
Faculty exchange programme	12
Staff training conducted by the university	4
Staff training conducted by other institutions	6
Summer / Winter schools, Workshops, etc.	58
Others	11

Please refer annexure 2.13

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	1054	147	17	124
Technical Staff	422	42	12	18

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- ✓ IQAC encourages the student groups to undertake community projects on real-time issues with social relevance using a problem based learning approach and it offered real and practical value to the students as future managers.
- ✓ Data collection, project management and case study are done by the students and are guided by the faculty of the Department/Schools under instruction from the IQAC. The programme is monitored and evaluated accordingly and is used to refurbish the acquired knowledge.
- ✓ Faculty continue ongoing evaluation and do individual research on relevant topics and is used to acclimatize with the syllabus and distribution of knowledge.
- ✓ Regular report presentations and discussions are organized. Motivated research paper presentations in the classroom.
- ✓ To promote and co-ordinate academic the research activities in the frontier areas to address issues related to water security, energy security, food security and health security. Several extensive highly focussed research programs are being planned incorporating physical, chemical, biological and environmental aspects pertaining to Nanoscience & Nanotechnology for product realization and societal developments.
- ✓ IQAC closely monitors the progress of research in various fields, make discussions with the faculty members, give suggestions for improvement and inspires the research students. The IQAC has been instrumental in designing the sophisticated instrumentation for analytical work. Several new projects were framed based on the recommendations of the IQAC.
- ✓ To imbibe research culture into the minds of the students, regularly organizes Conferences/ Workshops/ Seminars on cutting edge technologies. The University as well as departmental library, fully computerized, has a very good collection of carefully selected reference books, periodicals and research journals (National & International).
- ✓ The IQAC has taken several steps by holding internal orientation exercises and thereby Faculty members started showing interest in putting research projects across.
- ✓ Encouraged faculty and faculty student co-publicizing by undertaking short term workshops. Places suggestions before the faculty council and Board of Studies on different academic matters including design of the curriculum, teaching research, programmes and new course of study.
- ✓ Various Schools/Departments/Centres has taken steps to organize workshops / Seminars / training programmes / invited talks there by giving the students an opportunity to understand the current thrust areas and get into research programmes.
- ✓ The IQAC of the Schools urge the students to undertake community projects on real time issues with social relevance using a problem based learning approach and it offered real and practical value to them as student and future managers. The programme is monitored and evaluated accordingly and is used to refurbish the acquired knowledge. Faculty continues ongoing evaluation and does individual research on relevant topics and is used to acclimatize with the syllabus and distribution of knowledge.
- ✓ Inter University Centres have been established for promoting the interdisciplinary participatory research among the research and academic institutions within the State.
- ✓ Inter School Centres have also been established for supporting the academic activities of the Schools/Departments of the University.
- ✓ The Department of Life Long Learning and Extension have been acting as a Centre for coordinating the extension activities.
- ✓ Conduct of manpower development programs related to the use of sophisticated analytical equipments
- ✓ Majority of the proposals submitted to various funding agencies and the proposals submitted to the State Planning Board and the UGC are envisaged to promote research in the areas which may benefit the common man.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	15+1	58	14	23
Outlay in Rs. Lakhs	462.5 + 21	1713.35	914.65	1417

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	8	4	1
Outlay in Rs. Lakhs	21.27	153.04	1.8	3.00

3.4 Details on research publications

	International	National	Others
Peer Review Journals	230+2	53	
Non-Peer Review Journals	11	29	
e-Journals	26	13	
Conference proceedings	181+4	148+2	7

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2-4 years	MRF Tyres, DST, UGC, ICSSR, KSHEC, GFATM, SAP-DRS, DST_FIST, SERB, KSCSTE, DRDO, UGC DAE, Indo Brazil, BRNS, DBT, ICMR, Govt of Kerala	1755.25	1093.65
Minor Projects	1Year	UGC, CSIR, KSCSTE, Govt of Kerala, DBT, ICMR, BRNS, DST, KSCSTE	49.1	15.1
Interdisciplinary Projects	3	MRF Tyres	-	-
Industry sponsored	-	SAIL	6.0	-
Projects sponsored by the University/ College	-	-	-	-

Students research projects <i>(other than compulsory by the University)</i>	-	DoECC , IUIC	0.6	0.48
Any other(Specify)	-	UGC- SAP	3.696	3.696
Total			1814.64600	1112.92600

3.7 No. of books published i) With ISBN No.

22

Chapters in Edited Books

8

ii) Without ISBN No.

39

Please see Annexure 3.7

3.8 No. of University Departments receiving funds from

UGC-SAP

4

CAS

1

DST-FIST

4

DPE

Nil

DBT Scheme/funds

3

3.9 For colleges

Autonomy

DBT Star Scheme

INSPIRE

Any Other (specify)

3.10 Revenue generated through consultancy

Rs. 5, 14,543/-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	14	29	4	26	12
Sponsoring agencies	DST,UGC, CSIR, MGU, BRNS	UGC, DST,DoECC,GoK,MGU,ICHR,ICSSR, KSCSTE	MGU	MGU	

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College
Total

3.16 No. of patents received this year

Type of Patent	Status	Number
National	Applied	Nil
	Granted	Nil
International	Applied	2
	Granted	2
Commercialised	Applied	Nil
	Granted	Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
17	4	10	3	-	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.23 No. of Awards won in NSS:

University level	Nil	State level	01
National level	01	International level	Nil

3.24 No. of Awards won in NCC:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.25 No. of Extension activities organized

University forum	25	College forum	04		
NCC	Nil	NSS	15	Any other	12

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Extension activities are organised by the Department of Life Long Learning and Extension, Department of Students Services, National Student Services and School of Behavioural Sciences, School of Biosciences, School of Indian Legal Thought, School of Social Sciences and School of Environmental Sciences. The extension activities are envisaged to directly benefit the rural population of the state with special importance to the areas under the jurisdiction of the University. Few of the extension activities are as detailed below:

The extension activities of the school is being organised by Bio Science Forum, the organisation of the students, teachers and staff of the School of Biosciences

- ✓ Environmental day was celebrated on June 5th 2013
- ✓ A scientific session was arranged on November 19th 2013 in respect of Dr. Frederic Sanger, the two time Nobel Prize who passed away on November 2013
- ✓ Organised a group discussion and analysis on Gadgil report and Kasthurirangan report by Prof. Dr. JG Ray on 25th November 2013
- ✓ Made a visit and spent one day at Navajeevan, the orphanage for mentally retarded people Arpookara Kottayam on 6th February 2013 and contributed an amount of Rs.14,000/-
- ✓ Organised Intercollegiate Quiz competition with 13 colleges on 10th January 2014.
- ✓ Biofest 2014, Arcus 2014 was organised on 15th January 2014
- ✓ Interface 2014- an annual IT Meet (IT competitions) incorporating students in Computer Science and Technology from various Universities and Colleges in South India which became a social forums for information interchange in the field.
- ✓ The School was one of the nodes for the National e-Seminar “Steps 2Research with A-view video conferencing Facility in which affiliated college teachers and students participated”

- ✓ **Erudite Scholar-in-Residence programme where 5 Nobel Laureates** have been visited the department. Another 10 scholars from different parts of the world have visited the department.
- ✓ **Rainwater for Humanity** The School has launched a major extension programme known as 'Rainwater for Humanity' in collaboration with Brown University (USA), local panchayath and self help groups (www.rainwaterforhumanity.org). Through this extension programme, the School envisages to adopt small villages with an objective of providing basic amenities like drinking water and sanitation. As a part of this programme the School has installed **1 community rainwater harvesting structure with a capacity of 1.1 lakh litres** and **12 ten thousand litre capacity** harvesting tanks at Achinakom village in Vechoor Grama Panchayath in Kuttanad region. A total of 56 families are getting drinking water through these tanks. Construction of additional rain water harvesting tanks are in progress.
- ✓ **Days of National and international significance** : The school has observed days of national and international significance in grand manner with financial support from external funding agencies. The following days have been observed at this school during 2013
- ✓ **The National Science Day (NSD) – 2013** was celebrated by arranging two sessions on February 27th 2013. **Dr. T.V. Sajeev**, Scientist, KFRI, Thrissur, delivered a talk on '**Genetically Modified Crops and Food Security – Issues and Prospects**'. The invited school children, teachers, M.Sc. and M.Phil students, Ph.D. scholars and faculty members from this School and other departments attended this session. In the afternoon session, students from the selected Schools were participated in science quiz and poster making competition. Prize has been distributed to the winners. The NSD programme was supported by Kerala State Council for Science Technology and Environment (KSCSTE) with Department of Science and Technology (DST), Govt. of India.
- ✓ **World Environment Day (WED) 2013** : The school celebrated the World Environment Day (WED) on June 05, 2013 in a befitting manner.
- ✓ **Dr. R. Satheesh Memorial Lecture** The School organized Dr. R. Satheesh Memorial Lecture in commemoration of Late Dr. R. Satheesh, Reader (2000 - 2006) and the founder of Remote Sensing and GIS Facility in the School. The memorial lecture was delivered by eminent Environmentalist, Dr. Ashish Kothari on 24th May 2013 at the School. The topic was Radical Ecological Democracy: Escaping India's Globalization trap. Students, Researchers, alumni of the School and faculty members were attended the programme.
- ✓ This Lecture was attended by the alumni of the School besides the students, MPhil, PhD scholars and Faculty Members.
- ✓ The School has conducted INSPIRE and INCULCATE programs in association with Government of Kerala for School children. The faculty members of the School also accommodates students of M.Sc. and M. Tech from affiliated institutions of Mahatma Gandhi University in particular, and other institutions within Kerala and other states. Faculty members also deliver invited talks on a regular basis in Colleges and Universities.
- ✓ Students in two groups undertook a project on "barrier free tourism in public destinations of Kerala" in collaboration with the local tourism/leisure industry suppliers which enabled the students and department to analyse the imperative needs of the differently abled in achieving their right to leisure. This was a continuation of study conducted during the previous two years.

- ✓ Faculty members engaged in dissemination of knowledge by handling regular columns in national newspapers and wrote 39 articles.
- ✓ A broad survey was carried out to unearth the scope of public sector employment opportunities in the field of tourism which benefitted the students to find out their future.
- ✓ The centre organizes International meetings/ conferences and workshops on a regular basis every year.
- ✓ The centre has taken initiative to implement the Massive Open Online Course (MOOC) programme in association with North Carolina University USA on “global understanding” this year This is the first of this kind in any university in the state .The centre has started integrated MSc PhD programme. This will give an opportunity for the students to work in an international laboratory during the course.
- ✓ MS and MPhil students were provided opportunity to work in international laboratories abroad during the course. The Centre has established strong collaborations with industry and other research and educational institutions in the country and abroad.
- ✓ Community empowerment through people’s participation to meet their livelihood needs
- ✓ Food adulterance in soft drinks and packaged water – community awareness programme
- ✓ Western Ghats Conservation – Sustainable Practices – Stakeholder interaction
- ✓ Extensions of Analytical Services to education institution and industry

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	158.3281 acres	-	University Fund/State Plan Fund	
Class rooms	79+345	0+12	University Fund/State Plan Fund	79+357
Laboratories	72+134	0+5	University Fund/State Plan Fund	72+139
Seminar Halls	14+39	0+5	UGC	14+44
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	293+ 87	0+97	KSCTE, DST, UTY FUND, GoK, UGC	293 + 184
Value of the equipment purchased during the year (Rs. in Lakhs)	609.32+29.55	0+263.118	KSCTE, DST, UTY FUND, GoK, UGC	609.32+292.668
Others	5	0	UGC, GoK	5

4.2 Computerization of administration and library

The departmental libraries are automated technological advancements are adopted on administration, admission and examination activities. Internet & Computer facilities for the use of students, faculty, Library and the office introduced already were extended during the year. The activities and services of the University Library are automated using the Open Source Library Management Software KOHA. For the effective implementation of KOHA system, Library has conducted two in house training programmes, a four day in-house training programme for the library staff of the University Library and Department of Libraries. A KOHA server is being maintained by the University. Computerization of Administration and Library services are going on. In addition to the University Library, most of the department libraries are also using the KOHA software for library management. Mahatma Gandhi University is the first Indian University to adopt Open Access to theses of doctoral degrees awarded by the University by establishing an institutional repository of theses (www.mgutheses.org). Mahatma Gandhi University is the first University to sign MoU with INFLIBNET in the submission of online theses into "Shodhganga" and as per the latest statistics available; the University is holding the fifth position among the contributing Universities. The library is providing access to a considerable number of e journals throughout the University Campus.

Please see Annexure.4.2

4.3 Library services: (Information from University Library to be received)

	Existing		Newly added		Total	
	No.	Value (Lakh)	No.	Value (Lakh)	No.	Value (Lakh)
Text Books	160312	54371857	6044	4639725	166356	59011582
Reference Books	15743	7043180	686	76909	16429	7813089
e-Books	2500		800		3300	
Journals	435	8887268	398	4475398	833	13362666
e-Journals			2107	1364025	2107	1364025
Digital Database	44	1474912	5	1620142	49	3095054
CD & Video	1417	70597	98	350000	1515	420597
Others (specify)	15536	1382025	6	7200	15542	1389225

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	841	32	Internet Connection of 10Gbps bandwidth is available throughout the campus	23	21	32	32	NIL
Added	109	24		1	-	1	2	5
Total	950	56		24	21	33	34	5

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- ✓ High speed internet connectivity and state of art technology have been made available to the all the Departments, Schools, academic Centres as well as to the academic, administrative, finance and examination wings of the University.
- ✓ University has introduced Centralized Allotment Process for PG programmes in the year 2010 and Centralized Allotment Process for UG Programmes first time in the country in the year 2011. The success of the Centralized Allotment Process has been a milestone in the history of the University and shows the technological competency of the University. The Centralized Allotment Process has been moving on with tremendous success.
- ✓ Various types of online facilities such as registration for centralized admissions, examinations, grievances, examination results etc are available to the students. Mobile applications are also available for checking examination results and filing grievances online. Facility for online filing of grievances has been made available in the Centralized Allotment Process website and the grievances/queries are redressed/attended on the very same day.
- ✓ The International Centre for Nanoscience and Nanotechnology has organized Faculty Development Programme for junior faculties in the state, in collaboration with North Carolina A & T state university USA and Kerala State Higher Education Council. Computer and internet facility is being provided to students and faculties. Online access to different research journals is available through the University library network.
- ✓ All the faculties, students and staffs have unlimited access to internet of 10 gbps bandwidth. Internet connection to the schools, administrative wings and allied offices are secured through

advanced firewall systems (sonic wall). All the Departments/Schools/Inter University Centres/Inter School Centres of the University are connected through high speed campus wide network and Wi-fi facility has been made available where ever necessary for easy access to digital resources. The network activity of the campus is strictly monitored by network administrators to prevent inappropriate use and prevent chances of digital hacking. Network polices of the university undergo revisions according to the students, faculty and staffs opinion.

- ✓ Training and refresher courses were given to students and faculties for the use of UGC-Inflibnet services and use of digital consortium encompassing thesis in digital format.
- ✓ Centre for High-performance Computing, student's web centre, printing facilities and internet kiosk are available in campus. Besides this, each school have their own computer lab and each departmental library are connected through specialized network. All e-journals are available in the campus network.
- ✓ A-View online facility is used for conducting online courses (eg: GIS and remote sensing course in association with ISRO&IIRS in school of Environmental sciences), broadcasting of seminars and Skype and similar facilities are frequently used for research meetings.
- ✓ University has a well established Software Development Team which has been engaged in the development of various types of software required for the various branches of the University.
- ✓ Each student has been provided with a Permanent Registration Number (PRN) at the time of admission which shall be used for all future interactions and activities of the student with the University. The concept is to minimise procedural delays by establishing Single Window System for all services o the students.
- ✓ Training on familiarizing the University employees to various free software available worldwide has been initiated by the Centre for High Performance computing.
- ✓ The School of Tourism Studies Introduced Edmodo – a teaching learning platform to activate and promote interactive learning
- ✓ International & Inter University Centre for Nanoscience & Nanotechnology has organized Faculty Development Programme for junior faculties in the state, in collaboration with North Carolina A & T state university, USA and Kerala State Higher Education Council.

See Annexure 4.5 for details.

4.6 Amount spent on maintenance in lakhs :

i) ICT	82, 26,061
ii) Campus Infrastructure and facilities	9, 50, 195, 68
iii) Equipments	2, 50, 709, 63
iv) Others	1, 13, 99,200
Total :	13, 97, 157, 92

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- ✓ The IQAC has Formed Anti Harassment Cell, Conducts orientation programmes at the time of admission of new students
- ✓ The IQAC regularly conducts orientation programme for the students to train them for UGC-CSIR examinations
- ✓ The IQAC strives to provide an environment conducive to the overall development of the students. Students are encouraged to participate in seminars, workshops and technical meets organized by various institutions. The School also conducts personality development workshops for the students. It also collects feedback from students and gives valuable suggestions and guidelines as and when needed.
- ✓ Placement Cell to enhance placements.
- ✓ Remedial Coaching for academically weak students.
- ✓ Interacting with Alumni for placement/Project support
- ✓ The IQAC periodically monitors and evaluates the activities of the Students Grievance Redressal Cell functioning in the office of the Vice Chancellor.
- ✓ Personal Accident Insurance Scheme and Financial aid for serious illness are being provided by the Department of Students Services on recommendation from IQAC. Grace marks are being awarded to the students for their outstanding contribution in cultural activities. University level youth festival and cultural competitions are organised each year by the DSS and the participation of winners are ensured in the Inter University and National Level Competitions.
- ✓ IQAC with its insistence on feedback from the students, alumni etc., and emphasis on various student support services for the remedial of various grievances, NSS, NCC etc., innovation in teaching and learning, has helped in enhancing the awareness about student support services considerably.
- ✓ University is providing research fellowships for the students pursuing Ph D degree in various research centres of the University. Training for GATE/NET/SET is given by the Career Guidance Bureau.

Please see Annexure 5.1 for details.

5.2 Efforts made by the institution for tracking the progression

Various steps have been taken to monitor and record the progress of students and researchers in their academic activities, like internal assessment and external examinations, assignments, dissertation etc.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
6335	1373	349	521

(b) No. of students outside the state

13

(c) No. of international students

16

Men:	No.	%	Women:	No.	%
	4563	53.20		4015	46.80

Demand ratio- 1:7 Dropout % - 10

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

A Career Guidance Cell is functioning in the University coordinating Coaching classes for NET examination especially for SC, ST, OBC and other minorities. The Career Guidance Cell conduct spoken English classes, personality development activities, career guidance and proper orientation for the students. A faculty member is in charge to observe those activities.

No. of students beneficiaries

Category	81+9	8+21	25+26	Nil	This year
	Last year				
General					3371
SC					887
ST					131
OBC					2414
Physically challenged/others					22
Total					6825
					8578

5.5 No. of students qualified in these examinations

NET	SET/SLET	GATE	CAT
IAS/IPS etc	State PSC	UPSC	Others
0	17+7	Nil	18

5.6 Details of student counselling and career guidance

Please see Annexure 5.6

No. of students benefitted 226 +100

5.7 Details of campus placement

<i>On campus</i>			<i>Self financing</i>		
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Organizations Visited	Number of Students Participated	Number of Students Placed
46	65	85	15	298	192

5.8 Details of gender sensitization programmes

As part of regular teaching gender sensitization programmes are done. Also seminars are conducted in the department and also in the university on gender issues. Women Empowerment programmes are conducted occasionally. The Grama Vikas Kendra of the Dept organise monthly get together of its women members. In the School of Social Sciences, Gender Studies is included as a component in Social Theory Course offered for MA and MPhil programmes. The School of Tourism Studies have celebrated international women's day with seminars conducted at the university level for women empowerment. A Women anti-harassment Cell is functioning in University. Services of the Cell can be utilized by students and employees to lodge their grievances. As a part of regular teaching gender sensitization programmes are done in School of Behavioral Sciences. Also seminars are conducted in the department and also in the University on gender basis. The school of chemical sciences organized and celebrated Women's Day. The School of Gandhian Thought and Development Studies organizes Women's Day every year. A course on women and Development is taught for MA Development Studies. Class Seminar on gender issues was conducted on School of Indian Legal Thought. School of Pedagogical Sciences celebrated Women's Day and Mother's Day in the department. In the School of Social Sciences 'Gender Studies' is included as a component in Social Theory course offered for MA and M Phil Programmes. School of Tourism Studies celebrated International Women's Day with Seminars conducted at University Level. The School of International Relations had arranged for interactions on themes based on gender equality, human rights and inclusive strategies.

5.9 Students Activitie

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount (Lakh)
Financial support from institution	205	32.75
Financial support from government	133+812	50.25+392.52
Financial support from other sources	281+3	17.738+0.2
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs: State/ University level National level International level
 Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

- ✓ Timely grant of fellowships
- ✓ Hostels for research scholars
- ✓ Timely publication of results
- ✓ Wi fi connectivity at selected areas
- ✓ Placement cell for the students
- ✓ Cafeteria in the campus
- ✓ Adequate number of toilets in the campus

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

"Mahatma Gandhi University envisions to excel in the field of higher education and cater to the scholastic and developmental needs of the individual, through continuous creation of critical knowledge base for the society's sustained and inclusive growth"

Mission

- ✓ To create an environment that would foster higher education in its area of jurisdiction
- ✓ To create educated individuals qualified in specialized areas of knowledge
- ✓ To plan and implement academic programmes of the highest quality that would foster the holistic development of individuals who will be empowered to act as the conscience of society
- ✓ To conduct and cause to be conducted undergraduate, postgraduate and research-level programmes of quality in sciences, the humanities, social sciences, and the professional disciplines
- ✓ To foster research and extension activities directed at the reorganization of existing knowledge and the creation of new knowledge for the development of society
- ✓ To help in the creation and development of manpower that would provide intellectual leadership to the community
- ✓ To provide skilled manpower to the professional, industrial and service sectors in the country so as to meet global demands
- ✓ To help promote the cultural heritage of the nation and preserve the biodiversity of the region
- ✓ To promote national development by imparting education and culture to the people of the areas coming under the jurisdiction of the University
- ✓ To develop itself into an institution with the highest standards of excellence without losing sight of the importance of social equity

6.2 Does the Institution have a Management Information System

Please see Annexure 6.2

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Admission process, Library management, Examination- Tabulation and preparation of grades are fully automated. University is trying to strengthen the interdisciplinary programmes offered in the realm of Political Science, International Relations and Human Rights keeping in perspective the emerging concerns and frontier areas of social science. The Schools also updates curriculum in line with the developments that have been taking place in the global political, economic, cultural and strategic landscape for innovation in curricular design. The academic programmes were reviewed and redesigned under the Credit and Semester System (CSS). Board of studies in various subjects in association with Faculty council regularly update the syllabus and curriculum. Projects are given to students for the improvement of methodology and training. Discussions are conducted in various Faculty Councils and in IQAC on curriculum development and syllabus revision according to international standards, new trends and developments in the field of knowledge. Yearly Expert committee meetings held for the assessment and review of curriculum. Feedbacks from various sources are utilised for the purpose. Periodic revision of curriculum Faculty attended various curriculum faculty attended various curriculum development programmes.

Please see annexure 6.3.1

6.3.2 Teaching and Learning

The University proposes to provide the best learning and teaching environment through a learner friendly, need- based instructional system. It uses latest pedagogical tools for developing cognitive-analytical skills and self-reflexivity in students and researchers. Through the use of instructional devices like Smart Class Rooms, ICT enabled teaching, Computer aided technology, LCD/OHP projected and non- projected aids, Erudite programmes, INFLIBNET etc., attempts are made to enhance teaching and learning abilities. Different methods for the acquiring and dissemination of knowledge like group discussions, field trips, case studies, seminars, symposiums, course-wise assignments, dissertations, visits to various teaching institutions for comparative purposes and individualised instructional strategies are used. Effective, transparent, rigorous internal mechanisms are utilised to assess and monitor the cognitive ability of students, as well as to ascertain the level of knowledge, intelligence and skills of articulation that the students have acquired over time. The gaps in learning are checked and remedial measures proposed. Information based, theory oriented, and experimental learning and teaching methods are employed. Attempts are made for the empowerment of disadvantaged/ differently- abled sections in the learning process. A rigorous, transparent examination system based both on the Credit Based Semester System with mid- semester tests, end semester examinations, and the Annual system are employed.

Please see Annexure 6.3.2

6.3.3 Examination and Evaluation

- Internal continuous assessment involving seminars, assignments, tests and end semester exams.
- Continuous evaluation in the mode of question and answers, Spot test and regular internals supported with model exams
- Follows Credit Based Semester System/ Semester/ Annual system for various programmes.
- The Departments follow systems with internal and external evaluation methods and Examinations.
- The continuous internal evaluation is based on assignments, seminars, debates, spot tests, model exams, discussions, quiz competitions etc.
- Special coaching programs to students for UGC and NET examinations.
- Facility to write Examinations in Malayalam.
- Time-bound valuation and publication of results.
- Double valuation for Answer-scripts and Dissertations.

Please see Annexure 6.3.3

6.3.4 Research and Development

Both experimental and research programs are going on in different areas in collaboration leading research institutions within India and abroad. Development of Research in various thrust areas of knowledge. Research work undertaken in frontier areas in various fields towards product development. Up-gradation of infrastructure, research tools, methods for Data Analysis. The University insist on contribution of research papers and articles to various books and journals. Ability project to address needs of physically challenged students and researchers for research in disability. Special lectures in Research methodology and introduction to course work. Research Collaborations and sharing of research students/ Exchange programmes with various leading Research Institutions. Community based and problem based learning approaches. Edited/ authored books and Research journals on various subjects are being published regularly. To imbibe research culture into the minds of the students, the School regularly organizes Conferences/ Workshops/ Seminars on cutting edge technologies. Encourage students to conduct original research work leading to publications and patents.

Please see Annexure 6.3.4

6.3.5 Library, ICT and physical infrastructure / instrumentation

The wi-fi connection installed in some Schools/Departments is quite useful in giving the students an opportunity to access the online library facility of the library and internet resources to them even at intervals in the school to search the research progress in the concerned areas. The University and Departmental Libraries have big collections of Reference books. New books/ journals/ facilities are added to the Library periodically. The activities and services of the University Library are automated using the Open Source Library Management Software KOHA. Earlier the library had used the Library Management software SOUL developed and supplied by the INFLIBNET Centre. As the software had certain limitations and difficulty experienced by the Library to switch over to its latest version, library started using KOHA since 2012. With regard to the facilities and user friendliness both library staff and users are satisfied with the new system. For the effective implementation of KOHA system, library has conducted Orientation programmes. A KOHA server is maintained and updated by the library. In addition to the University Library, most of the department libraries are also using KOHA software for Library Management. The library is also keen in providing technical assistance to librarians working in the departments for effective implementation of KOHA.

Please see Annexure 6.3.5

6.3.6 Human Resource Management

Human Resources are managed in various courses, Schools and Research activities in the best possible way. Classes related to Personality Development, Internship and Training in Government Institutions/ NGO's/ Industry. Periodic meetings of Faculty Council, student representatives and interfaces between faculty and students are being conducted to guide students for the best use of Human Resources. Training in the use of various equipments, life skills are being given. Active coordination between Faculty and Students is ensured in all the Departments/Schools/ Centres. A Decentralized system is prevailing in the academic Departments/Schools/Centres allocating responsibilities to individual faculty members for effective management. Decentralized system deciphering responsibilities to individual faculty members for effective management have been implemented in the University. Human resource is well managed for societal benefits. Students were oriented to academic activities. Students were given training to operate various instruments in the Centre.

Please see Annexure 6.3.6

6.3.7 Faculty and Staff recruitment

The recruitment is done in accordance with the University Statutes and Government rules and regulations. Services of Guest, Ad-hoc and Temporary Faculties are utilised till the formal sanction is obtained from the Government in respect of new programmes/Centres. Faculty recruitments are done as and when vacancies arise.

Please see Annexure 6.3.7

6.3.8 Industry Interaction / Collaboration

- ✓ The faculty members of the Schools have sustained interaction with the FICCI in promoting internationalisation of higher education
- ✓ Interactions with Industry are undertaken at various levels.
- ✓ Faculties are involved in various projects with Industrial collaboration. Proposals to this effect are submitted for consideration at various levels.
- ✓ Interaction between Faculty and FICCI (Federation of Indian Chambers of Commerce and Industry) in promoting Internationalization of higher education.
- ✓ Field visits to Industries, institutions like DIETS, SERT, special schools, adoption centres, early childhood institutions and others.
- ✓ Collaboration with Department of Forests and Wildlife, Government of Kerala.
- ✓ Research collaborations with industry. Linkages with National Law Universities. Internship programmes.
- ✓ Industry evaluation of student internees in the form of Internship evaluation forms. Interactions with experts/ persons from Industry and sharing of experiences, classes etc.

Please see Annexure 6.3.8

6.3.9 Admission of Students

- ✓ Centralised Allotment Process (CAP) has been effectively implemented for UG and PG programmes in the affiliated colleges.
- ✓ Admissions to PG and MPhil courses are through entrance tests and interviews held on a yearly basis.
- ✓ Ph.D Admissions are through entrance tests, screening by Doctoral Committees, counselling, and tests using methods like AAPHER, Game Proficiency test, group discussion etc., as per UGC, AICTE norms. Reservation policy is strictly adhered to.

Please see Annexure 6.3.9

6.4 Welfare schemes for

Teaching	Health card, PAI, Residential quarters, crèche, recreation facility, Medical reimbursement, LTC, Weightage to children for admission in Professional colleges managed by the University.
Non-Teaching	Same as above.
Students	Hostel facility, Insurance scheme, financial support, fees concession, health care, CUTE- Cultural organization, scholarships/Fellowships, Alumni meets, grievance cell for the solution of complaints, Guidance and Counselling.

Please see Annexure 6.4

6.5 Total corpus fund generated

Rs. 61, 54, 95,567

6.6 Whether annual financial audit has been done

Yes No

6.7 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Examiners	Yes	Faculty Council
Administrative	Yes	Local Fund Audit	Yes	Audit Sections

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- ✓ Facilitating online registration process for the private registration candidates
- ✓ Implementation of online registration process for PhD entrance examination and admission
- ✓ Steps have been taken to implement the state government sponsored e-governance programme and the reforms in examination wing has been a part of the e-governance programme
- ✓ Continuous internal evaluation is undertaken on the basis of assignments, seminars, debates, discussions, journal club, quiz competitions, model exams etc.
- ✓ Double/ single valuation of Answer scripts and Dissertations (SPS). In particular cases, there is the facility to write the Examinations in Malayalam.
- ✓ The Academic calendar/ time table for internal and external examinations are adhered to. Measures are taken for the time-bound valuation and publication of results.
- ✓ University introduced on-line generated Hall Tickets for the CBCSS programmes.
- ✓ Bar Coded Stitched Answer Books containing 24 pages have been introduced for the CBCSS examinations
- ✓ Online transmission of valued data (Grades) has been introduced for the transfer of data from the Centralized Valuation Camps to the Computer Wing of the University.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Mahatma Gandhi was the first University in state to frame regulations for granting autonomy status to its affiliated colleges. But the Government level selection of colleges towards autonomy did not take place as a state level policy could not be taken for want of such regulations in other Universities. School of Technology and Applied Science and School of Medical Education were renamed as University Colleges of Nursing, Pharmacy and these centres enjoy academic autonomy. All Departments/Schools of the University have been established with a vision to provide academic autonomy to them for the development and conduct of various programmes according to the current trends.

6.11 Activities and support from the Alumni Association

Annual alumni meets are held in various departments and communications with them are maintained. The alumni meets help the student's to secure placements in various organisations. The alumni participate in seminars and workshops as resource persons and delegates. The alumni have instituted various Scholarships and Awards for the students. The alumni also help in guiding the students in academic activities, giving suggestions, technical and financial assistance, projects and job placements. Many of the alumni who have passed out from various departments are working in places all over the world in various positions, or as researchers etc. The alumni meet also felicitates outstanding students of the School.

Please see annexure 6.11

6.12 Activities and support from the Parent – Teacher Association

Annual meetings are conducted. Information sharing sessions and grievance redressal forms are organised according to need. Monitors student performances and the facilities provided to them in the campus.

Please see Annexure 6.12

6.13 Development programmes for support staff

Compulsory computer training for the employees of the University is facilitated through the Centre for High Performance Computing of the University. Uninterrupted internet facility of 10 GBps bandwidth is available throughout the campus and advanced instrumentation training has been given to all the technical staff at the Inter University Instrumentation Centre. Similarly induction training is given to all the nonteaching staff of the University who are newly inducted to service.

6.14 Initiatives taken by the institution to make the campus eco-friendly.

- ✓ Initiative is taken to make the campus plastic free.
- ✓ Eco-friendly approach is promoted through the planting and preservation of various trees and vegetation.
- ✓ Club of Environmental Students (CLENS) conduct programmes on environmental awareness in and outside the campus.
- ✓ Maintains gardens/ vegetation with medicinal plants etc. Observes environmental day. Reactions are preferably carried out using green synthetic methodologies.
- ✓ An area is devoted as habitat conservation model (JEEVAKA) within the University campus. In this area systematic and periodic ecological observations were conducted to understand micro ecological dynamics. All the species were identified and documented and published a monograph book.
- ✓ Watershed conservation activities were done on the campus to conserve natural water balance of the area.
- ✓ Potential and accessible area for systematic and periodic studies on vegetation and other specific dynamics. Ideal habitats for learning and experimenting ecology, field biology aspects and techniques within the campus. Potential area for practicing taxonomic studies, biodiversity, inventories, studies on phyto sociology, insect-plant association, soil chemistry, water quality, micro flora and fauna were also done. Butterfly garden in the campus. Awareness programmes, planting of saplings.
- ✓ Proper waste management system.
- ✓ Rain water harvesting activities were done.
- ✓ Proper disposal of chemical waste.
- ✓ Help local people to conserve sacred grooves.

6.2 Does the Institution has a Management Information System

No, the University does not have Management Information System. However, the University shall be implementing the Management Information System through the e-governance project of the Government of Kerala.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum development

Our institution periodically updates the curriculum and syllabus in a systematic line of attack. The curricula of all the courses were revised and updated in order to meet the demands of the time. In the case of Schools, the faculty council revises curriculum and syllabus. The revision in the curriculum/syllabus mainly based on the class room experience with course content and scientific advancements in the similar field. The module of electives and dissertation project are designed in such a way to address the current/future requirements. Most Schools used ICT integrated teaching methods as well as new audio-visual methods for curricular transactions.

6.3.2 Teaching and learning

The University has developed a very effective, transparent and rigorous internal mechanism to assess the cognitive ability of students and research scholars as well as to ascertain the level of knowledge, intelligence and articulation they have acquired over time. Teaching and learning practices were done in a student centric manner. The faculties always incorporating updated research findings in the curriculum, to make the students enable to address research problems. The learning experience of the student also enhanced by the aid of field works, interaction with eminent personalities in their field of knowledge, visiting other institutions of premier importance. Students are accessible to e-journals and digital resources in 24X7 manner.

6.3.3 Examination and Evaluation

The academic programmes were reviewed and redesigned under the Credit and Semester System (CSS). University conducts all internal and external examinations as per the time table frame for each semester. The evaluation and publication of the result are also being done on a time bound manner without fail. The students are evaluated through their performance in internal and external examinations, assignments and seminars. The pattern of questions was modified in order to assess the different level of understanding of the subject matter by the students. Continuous internal assessment was made more effective in a time bound manner.

The Centres and Schools conduct all internal and external examinations as per the time table formulated for each semester. The valuation and publication of the result are also being done on a time bound manner without fail. The students are evaluated through their performance in internal and external examinations, assignments and seminars.

6.3.4 Research and Development

Research programs are going on in different areas in collaboration with leading research institutions within India and abroad. These collaborations made possible the University to send their research students to different research labs of international repute. Some of the schools were conducting research programs specially focusing the community development. School of Tourism conducts projects on real time tourism management issues with social relevance using a problem based. They identified and grouped the tourism resources of Kerala and published a book titled 'Tourism products of Kerala'. ABILITY project of School of Social Science being conceived to address the needs of physically challenged students and researchers and to conduct research in disability studies.

6.3.5 Library, ICT and physical infrastructure / instrumentation

MGU Library and Information System consist of University Central Library and more than 30 libraries of the departments, schools and study centers existing in different campuses. The most important achievement of the MG University Library is the endorsement related to the PhD Theses Archives developed by the University Library. The Mahatma Gandhi University is one of the first fifty Universities to come under the UGC-Infonet Programme. Through UGC-Infonet E-journals Consortium, the University library provides access to more than 4000 journals and databases. The University Library is a fully automated system using the library software package SOUL developed by the INFLIBNET Centre. The Library is also a member of the DELNET (Developing Library Network). Being a member of these networks, the library is able to share the resources of a number of other libraries and has been able to make inter library loan of books. INTUTE Open Access Online Service provides access to the very best web resources for education and research. The software packages used and all content included is evaluated and selected by a network of experts to create the INTUTE System. With millions of resources available on the Internet, it is difficult for researchers to find relevant and appropriate material even with good search skills and use of advanced search engines. Issues of trust, quality, and search skills are very real and significant concerns - particularly in a research context. The INTUTE database makes it possible to discover the best and most relevant resources in one easily accessible place. Researchers can explore and discover trusted information, and be assured that it has been evaluated by specialists for its quality and relevance. MGU is the only university from India, which could host such an official digital archive of PhD theses in the web using multilingual software and search Mechanism (for Malayalam, Hindi and English). With selection of MGU PhD Theses archive by INTUTE the citations for dissertations from MGU will has increased tremendously in research in European countries and our research will get international exposure.

6.3.6 Human resource management

University has adequate number of administrative staff and satisfactory number of academic staff including contract faculties. Faculty student ratio at Schools is 1:2. The academic staffs were undergone refresher programs, conferences, seminars and academic exchange to enrich their knowledge and teaching and research experience. Faculty members have opportunity for their carrier growth along with the institutional development. Newly appointed faculties got a preparatory amount to start their lab and research activities. Administrative staffs were also exposed to internal and external training programs for quality improvement. Newly appointed faculties got a preparatory amount to start their lab and research activities. The achievements of the staffs and students are recognized with appreciation and by honouring them. Various cultural and social clusters were formed by students and staffs, organizing recreational events, social mobility programs, environmental campaigns etc.

6.3.7 Faculty and staff recruitment

The recruitment of the faculties was done according to the UGC Regulation. Advertisement regarding the vacancy, details regarding qualification etc will be given in the leading newspapers and university website. The expert committees including external subject experts will short list the application. The selection committee comprising the eminent scholars in each area will evaluate the research and teaching talent of the candidate. If the candidate is getting through in the process he/she will be recruited. Non-teaching staff also had done according to the UGC, State government and University statutory procedures.

6.3.8 Industry interaction/Collaboration

Most of the schools of the university have industrial relationship in their discipline. In School of Environmental Science, School of Chemical Sciences, School of Bio Sciences etc persons from Industries such as Agilent, Shimadzu, Perkin Elmer, Thermo were conducting classes and workshop on the advancement in their respective field, new instrumental technologies etc. In School of Tourism studies, SMBS like departments expert from hospitality industry takes classes. They also provide Internship opportunities are provided by known institutions. Active industry involvement in the form of internship opportunities and placement to these departments. School of Environmental Science like departments has collaboration with Department of Forests and Wildlife, Government of Kerala, Periyar Tiger Reserve, Thekkady etc.

6.3.9 Admission of the students

Centralized Allotment Process for admission to UG&PG Programmes under merit/reservation seats. Through CAP an applicant can access several colleges/Programmes by putting in a single application online. It saves time, money and effort of the candidates seeking admission to courses/Programmes in affiliated colleges of MG University. The placement of the candidates in various programmes and institutions will be according to their choice, merit and socially determined norms.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

The various University Departments undertook innovative strategies to streamline their academic activities during the year, some of them are as follows,

- Periodic presentations by Research Scholars, debates and discussions etc., meant for developing the analytical and cognitive skills and enhancing the self-confidence of research students.
- Research methodology included in syllabi of PG students to make research aptitude in students.
- Development of research in various thrust and frontier areas of knowledge through the establishment of Inter School Centres - National Institute of Plant Science and Technology (NIPST) .
- Admissions are conducted online (Centralized Allotment Process for affiliated colleges & Common Admission Process for the Schools and Departments of the University).
- Effective, transparent, rigorous internal mechanisms are used to assess level of knowledge, intelligence and articulation acquired over time by the students.
- Group-wise and individual review sessions are conducted periodically to monitor gaps in learning.
- Instructional methods that are learner friendly, theoretically informed and self- reflexive.
- Students were given incentives for attending conference/seminars.
- Bar coding of books in the Library, digitalization of catalogue, computerisation of offices.
- UGC-INFLIBNET services and online repository of academic theses.
- Programmes initiated to create better environmental awareness helped in waste management and cleanness in the campus.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Action planned	Action Taken
To strengthen the Inter University Centres already started and to start new centres for enhancing interdisciplinary studies	<p>Infrastructural facilities were added to the Inter-University Centres like Environmental Science and sustainable development, social science research, biomedical research, disability studies, advanced instrumentation centre etc and Ph.D programmes started.</p> <p>New centres started are – National Institute of Plant Science and Technology</p>
Introduction of new teaching methodes	<p>Introduced Edmodo, a digital online teaching learning interactive platform to enrich the teaching learning quality, crossing the barriers of time and place through its superior features like online discussions, online tests, pooling resources, online submission of assignments etc.</p> <p>Continued student community project to develop a new barrier free tourism model for public places of Kerala.</p> <p>Professors from international Universities were invited to familiarize global educational practices.</p> <p>Revised the curriculum to incorporate the major developments and to ensure effective use of educational aids and soft ware’s procured.</p>
To start a new M Sc Programme in Plant Science and Technology	Started the programme in National Institute of Plant Science and Technology
To conduct IT Festival	IT Festival ‘INTERFACE’ was conducted by School of Computer Science.
To organise a national seminars on various topics	Organised various national seminars and workshops in various Schools/Departments under the supervision of IQAC
To start a journal in the area of Computer Science	Started the journal “Mahatma Gandhi University International Journal on Computing and Communication (MGUIJCC2012) Vol - I” by the School of Computer Sciences (SCS)
Address the needs of the Physically Disabled	School of Social Sciences has introduced a programme – ‘ABILITY’ a project that engages with the needs of the physically challenged students and researchers after getting a financial assistance of Rs 55.6 lakhs from the Govt of Kerala

7.3 Give two Best Practices of the institution

Credit Based/ Choice Based Credit and Semester System.

The semester system practiced in the University Departments is Credit Based and has resulted in many qualitative changes in teaching and evaluation. It has been instrumental in our attempts to develop an internationally reputed curriculum catering to students needs and relevant to a fast changing world. The system to ensure academic excellence and adequate flexibility of choices for students is prevailing. Conducts courses in emerging areas that are in global demand like Bio- Chemistry, Microbiology, Biotechnology, Bio-physics, Nanoscience etc.

Details in annexure I & II

7.4 Contribution to environmental awareness / protection

Initiative is taken to make the campus plastic free. The National Service Scheme of Mahatma Gandhi University launched a training programme for making Eco-friendly articles as a remedy for the plastic menace. A district level co-ordination committee was authorized to initiate training programmes and activities. The college NSS units took up a unique programme for paddy cultivation. Wormy compost pits were made. The programme imparted the message of the importance of Agriculture to the students at large. Eco-friendly approach is promoted through the planting and preservation of various trees and vegetation. Club of Environmental Students (CLENS) conduct programmes on environmental awareness in and outside the campus. The club maintains gardens/ vegetation with medicinal plants etc. The University observes environmental day and envisages special environmental initiatives. The chemical reactions in the laboratory are preferably carried out using green synthetic methodologies. An area for habitat conservation model is maintained within the University campus. Jeevika -the live laboratory has been established for the conservation of indigenous plants , conservation of watershed, micro- habitats and related biodiversity within the campus. The area has been developed as a potential and accessible area for systematic and periodic studies on vegetation and other specific dynamics. The area has been developed as ideal habitats for learning and experimenting ecology, field biology aspects and techniques within the campus. Furthermore, potential area for practicing taxonomic studies, biodiversity, inventories, studies on phyto sociology, insect-plant association, soil chemistry, water quality, micro flora and fauna, etc. along with a butterfly garden have been developed in the campus. The Department of Life Long Learning and Extension and the Department of Environmental Sciences have been organising environmental awareness programmes, such as planting of saplings rare tree species. The Advanced Centre for Environment and Sustainable Development and the School of Environmental Sciences Proper for harvesting the rain water from the roof tops of the University buildings to a quarry that has been lying underexploited for many years. The University have facilitated a proper disposal system for the disposal of chemical waste from the various laboratories of the University. The Department of Life Long Learning and Extension is organising various programmes for the promotion of bioorganic farming throughout the state.

7.5 Whether environmental audit was conducted? Yes No

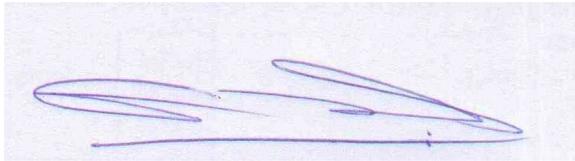
7.6 Any other relevant information the institution wishes to add.

- ✓ Greater advanced level instrumental support to be provided.
- ✓ Necessary permanent teaching faculties to be recruited for specialised areas. Inter-disciplinary Centres to be strengthened.
- ✓ Vocational rehabilitation centre for adults, counselling cum- psychological testing clinic for the public.
- ✓ 12 faculties with specialization in various applied life science areas.
- ✓ The number of research projects and funding has to be increased. Infrastructural / class room facilities to be increased.
- ✓ Seminars/ workshops at National/ international levels to be organized. Measures taken to develop innovative curriculum.
- ✓ Continuous evaluation of academic elements and tracking of student's academic growth.

8. Plans of institution for next year

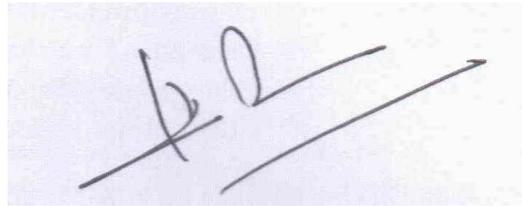
- ✓ Construction of Convergence Academia Complex
- ✓ Excellence in academic and Research activities. Attracting more research funds for sustainability and development.
- ✓ Vidyarthi Samparka Paripadi: to launch Student's Grievance Redress Mechanism 'Vidyarthi Samparka Paripadi' modeled on Chief Minister's 'Jana Samparka Pripadi' and a mobile application (M-App), to speed up dissemination of University related information
- ✓ To introduce Graduate Membership Programme through which any graduate residing in Kerala irrespective of age can become a member of the University Library
- ✓ To launch E-learning and E-book projects
- ✓ To conduct Akshara Jyothy Rally
- ✓ To conduct MOOC programmes and Start up programmes
- ✓ To develop collaborations at various levels between the Departments and various international, national Institutions.
- ✓ Extending counselling programs for students. Proposed enhancement of infrastructural facilities like class rooms, seminar halls and modern amenities.
- ✓ To make necessary recruitments of Faculty.
- ✓ To procure necessary educational aids. Introducing remedial coaching for weaker students. Wi-fi connectivity for online learning.
- ✓ Plans to introduce lesson plan system for effective course management. Plans for bringing experts from foreign universities to augment efforts for internationalisation. To publish books on research outputs of research centres of the University. Starting of new programmes.
- ✓ Time bound assessment and declaration of results. Take measures for career guidance. To conduct programmes giving stress in inclusive education.
- ✓ To make the campus more eco-friendly with further measures for waste management, water harvesting and conservation of biodiversity.
- ✓ To improve the existing feedback system.
- ✓ To organise national/international seminars in all the schools/departments.

Name: Prof (Dr) Sabu Thomas



Signature of the Director, IQAC

Name: Dr. Babu Sebastian, Vice Chancellor



Signature of the Chairperson, IQAC

PD Hills

08/02/2016

Best Practices of the institution**Best practice I****Title of the Practice****Students Web Centre****Objectives of the practice**

The development of *World Wide Web* opened a new era of sharing knowledge and one of the major beneficiaries of this technology is the academic community. Access to various data bases and search engines has tremendously improved the quality of research. Nevertheless, a large section of students are still not in a position to get full-fledged access to this important facility mainly due to the lack of required infrastructure. Therefore, the major objective of the centre is to provide 24 hr high speed web access to the entire student community (both from the University and from the affiliated colleges) for their academic purpose and to connect them to various search engines and data base systems. It is also envisaged to develop this centre as nodal place for computer based research applications for researchers from the entire state.

Need addressed and the context

The location of the centre will be in the campus of Mahatma Gandhi University at Athirampuzha. University will provide the required space for the centre. In the initial stage, the centre will be equipped with about 30 computers. The service of the centre will be provided throughout the week including Saturdays and Sundays. A permanent faculty member of the university, preferably from one of the science departments, will be given the responsibility to Co-ordinate the centre. An Advisory Committee with experts (not more than 5) from various departments will be assigned to advice the Co-ordinator for the development of the centre from time to time. The teachers and registered students from any University or affiliated colleges in the state of Kerala will be given access.

The practice

It is also envisaged to develop this centre as nodal place for computer based research applications for researchers from the entire state.

Requirements

Manpower: Three technicians having a minimum qualification of graduate Diploma in Computer applications or equivalent, will be appointed to take care of the centre on a shift basis.

Computers: In the initial stage, about 30 computers networked with a server machine will be installed.

Internet Connectivity: An internet connectivity having a static IP address with unlimited access will be procured.

UPS support: The computers and other accessories will be connected through a 10 kV UPS. The server machine must be connected to an independent UPS (5 kV). Printers can also be connected to this UPS in urgent cases.

Connection to MGU Library network: The centre will be connected to the library network of the Mahatma Gandhi University so as to access the available search engines and data bases.

Best practice II

Title of the Practice

Intranet Information Management System, e-file tracking, e-payment and e-governance programme in the University

Objective of the practice

- 1) The information sharing facility if established will be of immense value to the already existing manual system.
- 2) The administrative wing of the University can announce the introduction of new scholarships and grants through a common network accessible from all the departments.
- 3) In the long term aspect, an attendance data management system with a proper control from the University authorities can be implemented.

Need addressed and the context

The Mahatma Gandhi University campus is situated in the beautiful Priya Darshini Hills of Athirampuzha panchayat in the Kottayam district of Kerala state. The university established in 1985 has 17 Departments which offer Post-graduate programmes and research in various disciplines. The departmental activities include admission of new batch of students every year, conducting the course and periodic exams, maintaining the student's details, grants/scholarships available for the students of the departments. Almost all of these departments support research activities and post doctoral fellowships. Almost all of our departments are now computerised, i.e., departmental details are available within the department but not across the departments. This proposal is to make and implement an intranet facility for University departments in the campus with an aim of overall control and effective management of departmental activities for the benefit of the University authorities

The practice

The work involved in the departments for admitting new students, maintaining their details at the time of admission, fee collection, grants allocation, conduct of exams etc... follow a similar pattern. The existing system depends upon the manual effort for managing the above said activities internally in all departments separately using their own computers. Hence the activities if connected through a network of computers available in

the departments will help the effective management of above said departmental activities. The University departments and administrative wing are situated in permanent buildings geographically separated within an area of 110 acres. All the departments are having sufficient computer facility to manage their administrative activities. The plan is to link all these computers available across the offices of various departments for effective sharing of intra-departmental details. This will establishing a system for making the information available at finger tips and also will help in quick decision making.

Evidence of successes

1. The MGU has got 17 established departments excelling in various disciplines of arts and science. An effective communication networks among the departments with a centralised control will be of great help in making information available to all the students admitted to various courses .Such a network will help in establishing a network of automated institutions as envisaged in Rashriya Uchch Shiksha Abhiyan(RUSA) .
2. The admission to PG programmes and research oriented activities can be brought to a single platform with common entrance examination scheduled for all the departments.
3. A network of computers will help in making the information about various short term courses, seminars and symposia available to all the students of the university. The students of one department can opt for multi-disciplinary courses offered by other departments. Hence for better planning for a successful career, the intranet facility will be of great boost.

Resources

The Geographical area of the campus is nearly 110 acres in which the departments, administrative wing, examination wing, centers offering various amenities provide their service through nearly 25 permanent buildings. The offices in all these buildings have the basic computer facility. The network of computers to be introduced needs to connect all these 25 buildings with the network facilitating sharing of information with proper security and access control.

We are proposing a network of computer involving 2-4 main and backup servers, 7-10 routers 12 switches. At the end-users level we are proposing 75 clients ,(25 departments,25 in administrative wing, 25 in examination wing). We are planning to implement Oracle based application software using Java platform. The proposed software can support a minimum of 100 users at a time

8. Plans of institution for next year

- Start the course in Indian sign language, conduct seminars, conferences & short term orientation programmes for caregivers of persons with severe disability, Establish clinical linkages with institutions working for the rehabilitation of disabled. Expand the activities of vocational rehabilitation centre, set up special laboratories for assessment and rehabilitation of people with visual and hearing impairment
- Upgradation of existing Inter University Centres as International Inter University Centre for tapping in more funds
- Implementation of a new grievance redressal mechanism
- Improvement in the current online allotment process for admission to UG and PG programmes conducted in affiliated Arts and Science Colleges

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

Criterion - I

1.1 Details about Academic Programmes

Sl.No.	Department	Level of the Programme	Subject		
1	School of Behavioural Sciences	PG Diploma	Indian Sign Language		
		PG	M.Sc. Disability Studies and Rehabilitation Sciences		
			M.Sc. Psychology		
		M.Phil	Behavioural medicine & Rehabilitation (Full Time, Part Time)		
			Rehabilitation Psychology		
			Special Education & Rehabilitation Sciences		
			Behavioural Sciences and Rehabilitation Nursing		
		Ph D	Special Education		
			Rehabilitation Psychology		
			Behavioural Medicine		
			Rehabilitation Nursing		
		2	School of Biosciences	PG	M.Sc. Microbiology
					M.Sc. Biochemistry
M.Sc. Biotechnology					
M.Sc. Biophysics					
M.Phil	Biosciences				
Ph D	Microbiology				
	Biochemistry				
	Biotechnology				
	Biophysics				
	Physiology				
3	School of Chemical Sciences	PG	M.Sc. Organic Chemistry		
			M.Sc. Inorganic Chemistry		
			M.Sc. Physical Chemistry		
			M.Sc. Polymer Science		
		M.Phil	Inorganic Chemistry		
			Organic Chemistry		
			Physical Chemistry		

			Polymer Chemistry
		M. Tech	Polymer Science & Technology
		M.Sc. PhD (Integrated)	Chemistry
			Chemical Physics
		Ph D	Inorganic Chemistry
			Organic Chemistry
			Physical Chemistry
			Polymer Science & Technology
4	School of Computer Sciences	PG	M.Sc. Computer Science
		M. Tech	Computer Science & Technology
		Ph D	Computer Science
5	School of Environmental Sciences	Certificate Course	Geo-information Science & Technology
		PG	M.Sc. Environment Science & Management
			M.Sc. Environment Science & Disaster Management
		M. Phil	Environment Management
		Ph D	Environmental Chemistry
			Biotechnology
			Geosciences
			Toxicology
			Wetland
			Biodiversity
			Waste Management
			Climate change
			Forestry
Disaster Management			
6	School of Gandhian Thought and Development Studies	PG	MA Gandhian Studies
			MA Development Studies
		M.Phil	Development Studies
			Gandhian Studies
			Social Work
		Ph D	Development Studies
			Gandhian Studies
Social Work			

7	School of Indian Legal Thought	UG	3 Year LLB (4 pm-9 pm)
			5 Year BBA LLB (Hons)
		PG	LLM
		Ph D	Law
8	School of International Relations & Politics	PG	MA Politics & International Relations
			MA Politics & Human Rights
			MA Politics (Public Policy & Governance)
		M. Phil	Politics and International Relations
		Ph D	Politics
Economics			
9	School of Letters	PG	MA English
			MA Malayalam
		M.Phil	Malayalam
			English
			Theatre Arts
		Ph D	English
			Malayalam
			Theatre Arts
			Fine Arts
		10	School of Management and Business Studies
M.Phil	Business Studies		
Ph D	Management		
11	School of Pedagogical Sciences	PG	M.Ed
		M. Phil	Education
		Ph D	Education
12	School of Physical Education & Sports Sciences	PG	M.PEd
13	School of Pure and Applied Physics	PG	M.Sc. Physics
		M. Phil	Physics
		Ph D	Physics

14	School of Social Sciences	PG	MA History
			MA Anthropology
		M.Phil	Social Sciences
			Social Transformation and Empowerment
Ph D	Human Ecology & Natural History		
	All subjects under the Faculty of Social Sciences		
15	School of Tourism Studies	PG	Master of Tourism Management
16	Dr.K.N.Raj Study Centre for Planning and Centre-State Financial Relations	PG	MA Economics
17	International and Inter University Centre for Nanoscience and Nanotechnology	PG Diploma	Nanoscience and Nanotechnology
		PG	MS (Nanoscience and Nanotechnology)
		M Phil	Nanoscience and Nanotechnology
		PhD	Nanoscience and Nanotechnology
		Integrated PhD	Nanoscience and Nanotechnology
18	Advanced Centre of Environmental Studies and Sustainable Development	Ph D	Environmental Science
			Chemistry
			Forestry
			Climate Change
19	Inter University Centre for Disability Studies	Short Term Certificate Programme	Disability Rehabilitation
			Early Assessment and Management Services
			Speech Therapy
			Physiotherapy
			Psychological Assessments

			Counselling Services
			Disability Assessments
		M Phil	Disability Studies
20	Inter University Centre for Social Science Research and Extension	PhD	Human Geography
			Human Ecology
			Social Transformation Studies
			Gender Studies
			Tribal Studies
			Sustainable Development Studies
21	Institute for Intensive Research in Basic Sciences	PG	Five year integrated Inter Disciplinary M Sc Programme in Chemistry, Physics and Biology
22	Centre for English Language and Communication Skills	Certificate Programmes	Post Graduate Certificate in English Communication
		PG Diploma	Post Graduate Diploma in English Communication
		Short Term Courses	English Language and Communication
23	Institute for Contemporary Chinese Studies	M Phil	Chinese Studies
		PhD	Chinese Studies
24	Department of Life Long Learning and Extension	Certificate Programmes	Counselling
			Management of Learning Disabilities
			Yogic Science
			Organic Farming
		Diploma programmes	Yogic Science
			Organic Farming
25	Department of Library & Information Science	UG	B L I Sc
		PG	M L I Sc

26	Department of communication & Journalism	PG	MCJ
27	School of Medical Education	UG	B Sc Nursing
			B Pharm
			B Sc Medical Radiological Technology
			B Sc Medical Laboratory Technician
			B Sc Physiotherapy
			B Sc Medical Microbiology
		PG	M Pharm (A) Pharmaceutics
			M Pharm (B) Pharmacognosy
			M Pharm (C) Pharmacology
			M Pharm (D) Pharmaceutical Chemistry
			Master of Hospital Administration
			Master of Public Health
			Master of Physiotherapy
			M Sc Medical Anatomy
			M Sc Medical Microbiology
M Sc Medical Biochemistry			
Master of Applied Science Medical documentation			
Master of applied Biomedical Documentation			
Ph D	Pharmacy		
28	School of Technology and Applied Sciences	UG	B Sc Computer Science
			B Sc Electronics
			B Tech Polymer Engineering

			MCA
		PG	MSc Computer Engineering and Network Technology
			M Sc Applied electronics
			M Sc Computer Science
			M Sc Space Science And Technology
29	University College of Engineering	UG	B Tech (Computer Science & Engineering)
			B Tech (Electrical & Electronics)
			B Tech (Polymer Engineering)
			B Tech (IT)
			B Tech (Electronics & Communication Engineering)
		PG	M Tech (Applied Electronics)
30	School of Applied Life Sciences	PG	M Sc Fishery Biology & Aquaculture
		M Phil	Fishery Biology & Aquaculture
31	University College of Teacher education	UG	B Ed
		PG	M Ed

2.5 Faculty participation in Conferences and Symposia:

The detailed information of the faculty participation in conferences and symposia are listed as each school and then faculty wise as follows,

SCHOOL OF BEHAVIOURAL SCIENCE

Dr. Razeena Padmam

1. Meeting of Experts panel on Disability- Govt. of Kerala on 3.12.2013.
Attended the workshop on "GFATM- Project Experience" from 10.6.2013 to 13.6.2013 organized Tata Institute of Social Services Mumbai'.
2. "Behaviour problems and their Management' Paper presented in the seminar, Behaviour problems among children" conducted by Association of Homeopathic Doctors on 13.11.2013.
3. Gender Issues in Psycho-Social Rehabilitation – paper presented in National Seminars- Psychiatric Guild on 20.07.2013 organized by WAPR- Indian chapter.
4. "Women and stress" paper presented in the National Seminar organized by Mar Xeverio College, Mallappally on 28.2.2013.
5. 'Women and mental Health' paper presented in the International Seminar organized by Monomania University, Thirunelveli on 9.3.2013.
6. Stress Management' Paper presented in the workshop "Capacity Building for women managers in higher education organized by St. Thomas College, Kozhencherry on 28.2.2013 as Resource person.
7. "Gender issues" in this Seminar in connection with Thantedam Gender fest conducted by Dept. of Social Welfare, Govt. of Kerala on 16.3.2012 at Kozhikode.

Prof. Dr. P.S Sukumaran

8. Discussion on Analysing Data of the Inclusive Education project, DIET, Thiruvalla ,15.3.2014.
9. 'Curriculum Workshop for Individuals with Mental Retardation", Organized by State Resource Centre, Trivandrum. 19.03.2014.
10. Seminar on Special Education' organized by Special Education Association, Calicut, 22.3.2014
11. 'Summit of mind', National Interactive Meet, organized by the Rehabilitation Council of India, New Delhi, 7th , 8th February 2014

Dr. P.T Baburaj

12. Participated in the two day International conference on "current Trends in Public Health and Hospital Administration" modulation January 2014 by Divisional Health management, University College of medical education, M.G University, Kottayam

13. One day Seminar on classroom management of students with learning disabilities on 23rd January 2013, organized by School of Behavioural Sciences, Mahatma Gandhi University, Kottayam.
14. Organized "National seminar on "Inclusive education" on 26th March 2013, at School of Behavioural Sciences, Mahatma Gandhi University.
15. Participated **International Conference** on "Research Methodology and scientific writing (ICRMSW) at School of Behavioural Sciences, M.G University(21 and 22 December 2013)
16. Attended the National Workshop on "Cognitive Behaviour therapy" Basic principles and techniques on 22nd March 2013 at School of Behavioural Sciences.
17. Resource person – In the one day inservice training programme for the teachers on various aspects of CCF and for the effective school management and leadership programme at Bakervidyapeedh Sr. Secondary School, Kottayam on 25.05.2013.

Dr. Rajeevkumar

18. Organized Three days **National Workshop** on cognitive Behaviour Therapy: Basic principles and techniques on 22nd to 24th March 2013 at School of Behavioural Sciences, Mahatma Gandhi University, Kottayam.
19. Published an article titled as "A Mantra for Dyslexia; phonological Deficit, Naming speed at Double Deficit" in the magazine Silverit -2013 published in connection with observance of 25 years of School of Behavioural Sciences, Mahatma Gandhi University, Kottayam.
20. Delivered a session on "Classroom Management of Students with Dyscalculia" in the one day seminar on classroom management of students with Learning Disabilities conducted by school of Behavioural Sciences in association with Ys Men's Club, Kottayam on 23rd January 2013.
21. Participated and chaired two scientific sessions in the **International Conference** on Research Methodology and scientific writing organized by School of Behavioural Sciences and confederation of Epidemiological Associations held on 21st and 22nd December 2013.
22. Presented a poster paper entitled 'stress among the clergy" in the **International conference** on Research Methodology and scientific writing organized by School of Behavioural Sciences and confederation of Epidemiological Association held on 21st and 22nd December 2013.
23. Presented a poster paper entitled 'use of social media to explore the professional issues in the field of clinical psychology". In the International conference on Research Methodology and scientific writing organized by school of Behavioural Sciences and Epidemiological Association held on 21st and 22nd December 2013.

24. Presented a paper entitled "Impact of M.R on family" in the **International conference** on Research Methodology and scientific writing organized by school of Behavioural Sciences and Epidemiological Association held on 21st and 22nd December 2013.
25. Presented a paper entitled "Emotional and Behavioural Problems among children of orphanages in Kerala" in the **International conference** on Research Methodology and scientific writing organized by school of Behavioural Sciences and Epidemiological Association held on 21st and 22nd December 2013.
26. Published a chapter on Emotional Problems of children in the Edited Book stress and well being of Adolescents.
27. Indian council of Social Sciences Research (ICSSR) New Delhi accepted the Research Project on Higher Education School students with Dyslexia".
28. Organized World Mental Health Day Observance on 10th October 2013 at School of Behavioural Sciences, M.G University.
29. National Level - Dr. N. Rajeevkumar - Organized National Workshop on Cognitive Behaviour Therapy

Rincymol Mathew

30. Emotional intelligence and perceived stress on BSc Nursing students **International Conference** on Research Methodology and Scientific Writing. School of Behavioural Sciences and Confederation Epidemiological Associations, Kottayam. 21.12.2013.
31. **Rincymol Mathew**&Shaju Sebastian - Hyper tension- the health risk concern - **International Conference** on Research Methodology and Scientific Writing. School of Behavioural Sciences and Confederation Epidemiological Associations, Kottayam. 21.12.2013.
32. Organized 'World Health day' observation on 7th April 2013 at School of Behavioural Sciences, M.G University.
33. Paper presented "Identification and Management of Dyslexia" Seminar on Learning Disabilities organized by School of Behavioural Sciences in Collaboration with Y's Men's Club, Kottayam. 23.1.2013.
34. The application of Evidence based Nursing – Seminar on Nursing Practice – University College of Nursing, Gandhinagar. Therapeutic Communication- Govt. College of Nursing, Kottayam on 8.3.2013

Sri. Rajesh E

35. Attended the **International Conference** on Research Methodology and Scientific writing held on 20-22 December 2013 at School of Behavioural Science, M.G.University.

SCHOOL OF BIOSCIENCES

Dr.LinuMathew

36. Endophytic Fungal Diversity in *Cheilanthes tenuifolia* (Fa.Pteridaceae) Thuhara Susan Sabu, Reshma John , Linu Mathew, 8th **International conference** on climate change, territorial classification & socio- economic Crisis, April 2013 , Bharathidasan University, Thiruchirapally, Tamil Nadu, India
37. Genetic identification and phylogenetic relationship of three catfishes seen in India based on mitochondrial CO1 and 16 S Ribosomal RNA partial sequences, Aneesha devassy, Linu Mathew, K.G.padmakumar,A. Gopalakrishnan,V. Basheer, V. S. Rajkumar. 2013. 25th Kerala Science Congress. Thiruvananthapuram
38. DNA polymorphisms among *Justicia adathoda* L somaclones differing in vascicine production, Rashmi PA, Linu Mathew, 2013. 25th Kerala Science Congress. Thiruvananthapuram
39. Isolation, characterization and analysis of multiple bioactivities of *Trametes,menziesii*: A potent endophyte from *Pteris longifolia* Thushara Susan Sabu, Dayana Joseph, Josna T. Joy , Rashmi P. A. and Linu Mathew (26th Kerala Science Congress)
40. Genetic diversity of endophytic *Colletotrichum* spp in *Achyranthes aspera* Linn. ,Reshma John, Linu Mathew Sweshi Sscience Congress 2014
41. Bioactive properties of Ethyl Acetate fraction of Marine Bacteria *Staphylococcus warneri* Nithin T. U., Keerthi T. R. and Linu Mathew(26th Kerala Science Congress)
42. WORKSHOP ON MOLECULAR PHYLOGENETICS AUG 1-5 2014 IISC BANGALORE
43. WORKSHOP ON MOLECULAR TECHNIQUES IN MICROBIOLOGY SEPT 2-19 2014

Dr.Jayachandran.K

44. National science Academies lecture workshop on Molecular Biology in the 21 st century organised by the school of Biosciences, MACFAST during 28th-29th March 2014

45. Attended and presented a paper in a **national symposium** on emerging trends in Biotechnology, Department of Biotechnology, Cochin University of science and technology on 22-23 January, 2014
46. **International conferenc** on “Biosciences ;state -of-The -Art advancements “organised by Society for educational and scientific research at Kumarakom, Kerala during 11-12 september, 2014
47. Jayachandran.K.Attended and presented a paper in Second **international conference** on advanced oxidation processes (AOP-2012 organised by School of Environmental sciences, SECAS and IUIC, Mahatma Gandhi University kottayam on 25th -28th September,2014

Dr.Jyothis Mathew

48. Mikania micrantha Kunth-A natural source of antibiotics Jyothislakshmi M.,JyothisMathew and M.S.Latha Proceedings of the UGC sponsorednational seminar on Basic and Advanced Biochemical Techniques: Relevance in interdisciplinary scenario. Organized by Department of Biochemistry in association with Department of Botany Bishop Kurialassery College for Women Amalagiri, Kottayam 3-4 Sept.2013
49. A Comparative study of heavy metal resistance in bacterial isolates from polluted and unpolluted water sources M.Prasad and Jyothis Mathew Proceedings of **National Conference** on Heavy Metals in the Environment (HME 2013) 28-30 Nov. 2013

Dr.Harikumaran Nair

50. Abhilash S, Vineetha R C, Mathews VV, Harikumaran Nair R. Anticancer drug induced membrane damage in H9c2 cardiomyocytes and possible protection by docosahexaenoic acid. Proceedings of **National Symposium** on Emerging trends in Biotechnology 2014, Department of Biotechnology, Cochin University of Science and Technology, Kochi, Kerala, India, January 2014.
51. Vineetha R C, Abhilash S, Harikumaran Nair R. Chemotherapeutic stress on cardiomyocytes: A combination strategy with antioxidant vitamins for stress protection. Proceedings of **National Symposium** on Emerging trends in Biotechnology 2014, Department of Biotechnology, Cochin University of Science and Technology, Kochi, Kerala, India, January 2014.
52. Abhilash S, Vineetha R C, Mathews VV, Harikumaran Nair R. Anticancer drug toxicity on cardiomyoblasts. State level seminar on ‘Stem cell therapy and cancer’, Post Graduate Department of Biotechnology, SAS SNDP Yogam College, Konni, Pathanamthitta, Kerala, India, February 2014.
53. Vineetha R C, Abhilash S, Harikumaran Nair R. L-Ascorbic acid (Vitamin C) to prevent the cardiotoxicity in H9c2 cardiomyoblasts by chemotherapeutic agentState level seminar on ‘Stem cell therapy and cancer’, Post Graduate Department of Biotechnology, SAS SNDP Yogam College, Konni, Pathanamthitta, Kerala, India, February 2014.

Resmi.S.S

54. Inter University Instrumentation centre, Mahatma Gandhi University, DST-PURSE sponsored, 5-6th september 2013, National
55. Department of Biochemistry, Bishop Kurialacherry for women, Kottayam, UGC sponsored, 3rd & 4th september 2013, National seminar

56. Kerala Veterinary and Animal science University, Pookode, Wayanadu 6th Kerala science Congress, 8th -31st January 2014
57. Special Winter School, Academic Staff College, University of Kerala , sponsored by UGC,8-11-2013to 18-12-2013

DR.Radhakrishnan..E K

58. Invited Lecture on Emerging Understanding on Microbes organized by Zoology Association, St. Aloysius College, Edathuva on August 29, 2013.

Dr.Jisha M.S

59. **International Conference** On Advances in Applied Science and Environmental Engineering - ASEE 2014, Institute of Research Engineers and Doctors (IRED), 2nd to 3rd August 2014 Kuala Lumpur, Malaysia, International
60. Biotechnology in industry- achievements, potentials and challenges. Organized by CEPC-NAIP-ICAR project. 18th- 20th Feb. 2013

Dr.Keerthi T R

61. Keerthi T. R.Amrutha H and Savitha K. Koilery(2014). Co synthesis of Citric Acid during Polysaccharide Production by a Marine Yeast *Meyerozyma guilliermondii* MBTU-MYW1 (JN128648) 4th Annual **International Conference** onAdvances in Biotechnology (BioTech 2014)Dubai,,BITS Pilani Campus 10-11th March 2014 Oral presentation
62. Anu. P. Sebastian and Keerthi T. R.“Immunomodulatory effect of probiotic strain *Bacillus subtilis* MBTU PBBMI spores in Balb/C Mice”. TSB **International Forum-2013** BITEC Bang Na, Bangkok, Thailand, August 28-30, 2013. Oral presentation.
63. A. Athira Krishnan, T.R. Keerthi, and K. Jayachandran(2014) Bioactivity and chemical composition of two organic extracts prepared from Marine sponge, *Spongia officinalis* var. *ceylonensis* Proceedings of 26th Kerala Science Congress 28-31, January, 2014, Wayanad, Kerala:3242-49
64. Nithin T.U., T.R. Keerthi, and Linu Mathew (2014) Bioactive properties of ethyl acetate fraction of marine bacteria *Staphylococcus warneri* Proceedings of 26th Kerala Science Congress 28-31, January, 2014, Wayanad, Kerala:3261-70
65. K. A. Athira Krishnan, T.R. Keerthi, and K. Jayachandran(2014) Screening of bioactivity and analysis of chemical constituents of two organic extracts of the marine sponge, *Zygomycete parishii* Proceedings of National Symposium on Emerging Trends in Biotechnology 2014: Department of Biotechnology,Cochin University of Science and Technology,Cochin-22 ISBN-978-93-80095-47-9:40-49
66. Nithin T. U., Keerthi T.R.,and LinuMathew(2014) Bioprospecting of novel marine bacteria *Idiomarinaceae* MBTU MB2 isolated from coastal region of Thrissur district Proceedings of National Symposium on Emerging Trends in Biotechnology 2014: Department of Biotechnology,Cochin University of Science and Technology,Cochin-22 ISBN-978-93-80095-47-9:60-71

67. Probiotic as health promoting nutraceutical and therapeutic agent. UGC sponsored **National Seminar** cum Workshop on Techniques in Biosciences, February 18th to 19th 2014, Department of Botany, KKTU Govt. College. Kollam.
68. Role of Lactobacilli in gut microbiota. ZEITGEIST,(2014). Microbial conference and Cultural Fest,25th June 2014,By Association of Medical microbiology students, University College of Medical Education, Gandhinagar, Kottayam, Kerala.
69. Name of Conference: 4th Annual **International Conference** on Advances in Biotechnology (BioTech 2014)Dubai,,BITS Pilani Campus 10-11th March 2014.Title of paper: Co synthesis of Citric Acid during Polysaccharide Production by a Marine Yeast *Meyerozyma guilliermondii* MBTU-MYW1 (JN128648).Author: Keerthi T. R.Amruha H and Savitha K. Koilery.Pages: ISSN:2251-3159
70. Name of Conference: TSB **International Forum**-2013 BITEC Bang Na, Bangkok, Thailand, August 28-30, 2013.Title of paper: Immunomodulatory effect of probiotic strain *Bacillus subtilis* MBTU PBBMI spores in Balb/C Mice.Author:Anu. P. Sebastian and Keerthi T. R,Pages
71. Name of Conference: 26th Kerala Science Congress 28-31, January, 2014, Wayanad, Kerala,Title of paper: Bioactivity and chemical composition of two organic extracts prepared from Marine sponge, *Spongia officinalis* var. *Ceylonensis*,Author: K.A. Athira Krishnan, T.R. Keerthi, and K. Jayachandran,Pages: 3242-49
72. Name of Conference: 26th Kerala Science Congress 28-31, January, 2014, Wayanad, Kerala,Title of paper: Bioactive properties of ethyl acetate fraction of marine bacteria *Staphylococcus warneri*,Author: Nithin T.U., T.R. Keerthi, and Linu Mathew,Pages: 3261-70
73. Name of Conference: **National Symposium** on Emerging Trends in Biotechnology 2014: Department of Biotechnology,Cochin University of Science and Technology,Cochin-22,Title of paper: Screening of bioactivity and analysis of chemical constituents of two organic extracts of the marine sponge, *Zygomycete parishii*,Author: K. A. Athira Krishnan, T.R. Keerthi, and K. Jayachandran,Pages: ISBN-978-93-80095-47-9:40-49
74. Name of Conference: **National Symposium** on Emerging Trends in Biotechnology 2014: Department of Biotechnology,Cochin University of Science and Technology,Cochin-22,Title of paper: Bioprospecting of novel marine bacteria *Idiomarinaceae* MBTU MB2 isolated from coastal region of Thrissur district,Author: Nithin T. U., Keerthi T.R.,and Linu Mathew,Pages: ISBN-978-93-80095-47-9:60-71

Dr. Anie Y

75. **International Conference** on Research Methodology and Scientific Writing at School of Behavioural /sciences, M G University on 21st and 22nd December, 2013.
76. Oral presentation- Hazeena V. N, Jayachandran K, Suria P. R and Y. Anie Y. (2014, January 28-31). Screening and selection of Medicinal Plants for aldose reductase inhibition potential of *Centrathium anthelminticum*.

77. **National Seminar** on Basic and Advanced Biochemical Techniques: Relevance in interdisciplinary research scenario held on 3-4 September, 2013 at B K College Amalagiri.

Dr.J G Ray

78. One day Seminar on 'Strengthening of Education & Research in Basic Sciences in Kerala, 23rd August 2013, Organized by KCSTE at Mascot Hotel
79. Invited Lecture on 'Phytoremediation – an Emerging Phytotechnology' - 3-day **National Seminar** on 'Biodiversity Conservation and Eco-restoration' organized by the Department of Botany, BCM College for 32.Women, Kottayam; 25-27 July 2013
80. Chairman of the Session on 'Environmental Science, Forestry and Wildlife', 26th Kerala Science Congress, 28-31 January 2014
81. Invited Lecture: 'Critical Thinking – the Hallmark of Science', Seminar in connection with National Science Day Celebrations, KCSTE & DST Sponsored "Fostering Scientific Temper – Science a Treasure to Search and Research', 24th February 2014
82. Invited Lecture and Chaired a Session in **National Conference** on 'Natural Resources Management: Key to Sustainability, 5-6 December 2013
83. Invited Lecture on 'Introduction to Research Methodology', in a Workshop on "Research Methodology and Knowledge Enhancement in Scientific Writing" Organized by the RCC and Centre for Excellence in Ayur Informatics and Computer Aided Drug Design, University of Kerala, 28th April 2014

SCHOOL OF CHEMICAL SCIENCES

Presented Papers

Jisna Jos, Suresh Mathew

84. **Invited talk** on "Thermal studies of phase stabilization of ammonium nitrate"- in **International autumn seminar** on Propellants, Explosives and Pyrotechnics at Chengdu, Sichuan Province, China September 24-27, **2013**.

Divya Mathew, Benny Thomas and K. S. Devaky

85. Enantioselectivity of Chymotrypsin Mimic in Amidolysis of dipeptides; **International Conference** on Advances in Materials and its applications, Alphonsa College ,Palai, 26- 28 March 2014.
86. Study on the catalytic Activity of Transition State Analogue imprinted Enzyme Mimic and Evaluation of the Imprinting Effect in the hydrolysis of Dipeptides: **National Seminar** on Advances in nanomaterials and Polymers, Bharatha Mata College, Thrikkakkara, 11 12 March 2014.
87. Catalytic Amidolysis of Methyl Ester of N-t-Butyloxycarbonyl-O-Benzyltyrosyl Glycine using Polymer-Supported Transition State Analogues as Chymotrypsin Mimic: **National Seminar** on Recent Advances in Material Science, NSS College, Vazhoor 4 & 5 March 2014

88. Polymer Anchored Transition State Analogues for Amidolysis;; Proceedings of the **National Seminar** on Emerging Trends in Polymeric Materials, Christian college Chengannur , 23 & 24 January 2014.

Geetu Joseph and K. S. Devaky

89. Solid phase synthesis of peptoids and. their metal ion binding properties;; 04-016 26th Kerala Science congress , Wayanad 28-31 January, 2014
90. Invited talk on “Fundamentals and Applications of Pericyclic Reactions” at M.E.S College, Nedumkandam, Kerala in a **National Seminar** on “Conducting materials probing methods: Novel properties and Emerging applications on 19th December 2013
91. Efficient and convenient acid catalyzed hypersilyl protection of alcohols and thiols by tris(trimethylsilyl)silyl-N,N-dimethylmethaneamide. a paper presentation at 245th ACS National Meeting and Exposition. New Orleans, Louisiana, USA April 7-11, **2013**, #pub 312.
92. Paper presented entitled “Our research practices: A re-search” in the national seminar on “Research Education in Kerala: Trends/Gaps” organized by Society for Educational Research in connection with Kerala Education congress conducted by SIO Kerala Chapter held at Thiruvananthapuram on 16-17 November 2013.
93. Invited talk on “Emerging Trends in Organic Chemistry” at T.K.M.M. College, Nangiarkulangara, Harippad, as part of the College seminar series **Darsan-2014** on 18th February 2014.

Anju Augustine & Beena Mathew

94. Polyacrylonitrile based molecular imprinted membranes for the detection of progesterone in human urine. The **International Conference** on Advanced Materials and its Applications (ICAMA 2014, Alphonsoa College, Pala, March 26-28, 2014.

Sajini T & Beena Mathew

95. A facile approach for the separation of chiral molecules using molecular imprinting technique on multiwalled carbon nanotubes,. The **International Conference** on Advanced Materials and its Applications (ICAMA 2014), Alphonsoa College, Pala, March 26-28, 2014.

Jeena Abraham & Beena Mathew

96. Molecularly imprinted polymers of 5-Fluoro uracil surface based on multiwalled carbon nanotube. ICMCT-2014 Vellore Institute of Tecnology, Vellore, March 10-12, 2014.
97. Synthesis and characterization of vinyl functionalized multiwalled carbon nanotubes based molecularly imprinted polymer for the separation of 5-Fluoro uracil,. **National Seminar** on Emerging Trends in Polymeric Materails (ETPM 2014), Department of Chemistry, Christian College, Chengannur, January 23-24, 2014
98. pH Triggered vesicle and biodegradable polymersomes based on PEG-b-PCL grafted poly(β -amino ester) for anti-cancer drug delivery. The **International Conference** on Advanced Materials and its Applications (ICAMA 2014), Alphonsoa College, Pala, March 26-28, 2014.

Sooraj.M.P & Beena Mathew

99. Tailoring of enantio-selective nanosorbents using molecular imprinting technology. **National Seminar** on Emerging Trends in Polymeric Materails (ETPM 2014) Department of Chemistry, Christian College, Chengannur, January 23-24, 2014.
100. Enatiomeric separation of L-DOPA by structure-specific sorbents based on nanostructure. The **International Conference** on Advanced Materials and its Applications (ICAMA 2014), Alphonsoa College, Pala, March 26-28, 2014.

Siby Joseph & B. Mathew

101. Synthesis of silver nanoparticles by microwave irradiation and investigation of their catalytic activity. 3rd **International science congress**, December 8-9, 2013.
102. Microwave assisted synthesis of silver nanoparticles and evaluation of their catalytic activity. **National conference** on recent trends in material science & technology Department of Chemistry, Indian Institute of space science & technology, July 10-12, 2013.

Rohini Ashok & B. Mathew

103. Fabrication of molecularly imprinted sorbents based on multiwalled carbon nanotubes for selective and sensitive determination of tyramine. **National Conference** on Recent Trends in Materials Science & Technology, NCMST-2013 IIST, Thiruvananthapuram, Kerala, India, July 10-12, 2013.
104. Tailoring of Recognition Sites for Tyramine using Molecular Imprinting Approach on Multiwalled Carbon Nanotube. **International Conference** on Advances in Material Science ICAMS 2013, Post Graduate Department of Chemistry, Sree Sankara College Kalady, Kerala, India, October 23-24, 2013.
105. Tailoring of sorbents for the selective recognition of tyramine based on molecular imprinting approach on multiwalled carbon nanotube,. Science Congress, ISC-2013 Karunya University, Coimbatore, Tamil Nadu, India, December 8-9, 2013.

SCHOOL OF COMPUTER SCIENCES

Dr. R. Vijayakumar

106. Organized and Attended a **National Seminar** on “Computing and Communication” at School of Computer Sciences, December 2013.
107. **Computing in Malayalam for Malayalam using Visual Programming Language-** by Dr. K.P. Soman, Prof. & HOD, Centre for Excellence in Computational Engineering, Amrita Vishwa Vidyapeetham, Coimbatore
108. **Algorithm for Mining the Web and the Database-** by Dr. Sumithra S Nair, Indian Institute of Space Science and Technology (ISTE), Thiruvananthapuram
109. **Context Centered Communication-** by Sri. C.K. Subramania Prasad, Retd. Prof & HOD, Dept. Of Civil Engineering, NSS College, Palakkad
Latest Trends in Software Engineering- by Sri. Krishnan Chittoor, S/W Developer, Microsoft India Ltd.

Ms. Bindu V.R.

110. Attended a one-week long ISTE-SRM short term training programme on “Image Processing” organized by College of Engineering, Attingal and sponsored by Indian Society of Technical Education, NewDelhi during 3rd June to 9th June 2013.

111. Attended the State Level workshop on e-governance, Thiruvananthapuram, June 2013
112. Attended a **National Seminar** on “Computing and Communication” organized by School of Computer Sciences, December 2013.
113. **Computing in Malayalam for Malayalam using Visual Programming Language-** by Dr. K.P. Soman, Prof. & HOD, Centre for Excellence in Computational Engineering, Amrita Vishwa Vidyapeetham, Coimbatore
114. **Algorithm for Mining the Web and the Database-** by Dr. Sumithra S Nair, Indian Institute of Space Science and Technology (ISTE), Thiruvananthapuram
115. **Context Centered Communication-** by Sri. C.K. Subramania Prasad, Retd. Prof & HOD, Dept. Of Civil Engineering, NSS College, Palakkad
116. **Latest Trends in Software Engineering-** by Sri. Krishnan Chittoor, S/W Developer, Microsoft India Ltd.
117. Attended a 3-day **National Workshop on Computer Vision and Image Processing Techniques** organized by Amrita School of Engineering, Coimbatore during Feb 6-8, 2014
118. . Presented a research paper titled “A Fast Narrow Band Level Set Formulation for Shape Extraction” at the **IEEE International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2014)** held at the PRIST University, at Chennai, India during Feb 17-19, 2014.
119. Presented a paper “A Fast Narrow Band Level Set Formulation for Shape Extraction”, *Proceedings of IEEE International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2014)*, pp.141-146 , February 2014 (ISBN:978-1-4799-2259-14).

Ms. K.P. Pushpalatha

120. Co-ordinated and attended a National Seminar on “Computing and Communication” at School of Computer Sciences, December 2013
121. **Computing in Malayalam for Malayalam using Visual Programming Language-** by Dr. K.P. Soman, Prof. & HOD, Centre for Excellence in Computational Engineering, Amrita Vishwa Vidyapeetham, Coimbatore
122. **Algorithm for Mining the Web and the Database-** by Dr. Sumithra S Nair, Indian Institute of Space Science and Technology (ISTE), Thiruvananthapuram
123. **Context Centered Communication-** by Sri. C.K. Subramania Prasad, Retd. Prof & HOD, Dept. Of Civil Engineering, NSS College, Palakkad
124. **Latest Trends in Software Engineering-** by Sri. Krishnan Chittoor, S/W Developer, Microsoft India Ltd.

Ms. Anuj Mohamed

125. Attended the State Level workshop on e-governance, Thiruvananthapuram, June 2013
126. Attended a National Seminar on "Computing and Communication" organized by School of Computer Sciences, December 2013.
127. Computing in Malayalam for Malayalam using Visual Programming Language- by Dr. K.P. Soman, Prof. & HOD, Centre for Excellence in Computational Engineering, Amrita Vishwa Vidyapeetham, Coimbatore
128. Algorithm for Mining the Web and the Database- by Dr. Sumithra S Nair, Indian Institute of Space Science and Technology (ISTE), Thiruvananthapuram
129. **Context Centered Communication-** by Sri. C.K. Subramania Prasad, Retd. Prof & HOD, Dept. Of Civil Engineering, NSS College, Palakkad
130. **Latest Trends in Software Engineering-** by Sri. Krishnan Chittoor, S/W Developer, Microsoft India Ltd

SCHOOL OF ENVIRONMENTAL SCIENCE

Dr. C.T. Arvindakumar

131. Advanced Oxidation processes for the degradation of emerging pollutants: Opportunities and challenges, Proc.- **International Conference** on Advances in Environmental and Biotechnology, Jan.4-5, 2014, Bangkok, Thailand
132. **Conference on Frontiers of Mass. International Spectrometry**, September 6-9, Organised by **Inter University Instrumentation Centre**, MGU, Kottayam,
133. Second **International Conference** on Membranes (October 3-6, 2013), Kottayam.
134. **National Conference** on heavy metals in the environment (HME 2013), November 28-29 Kottayam

Dr. E.V.Ramasamy

135. **International Conference on Frontiers of Mass Spectrometry**, September 6-9, Organised by **Inter University Instrumentation Centre**, MGU, Kottayam,
136. Second **International Conference on Ecosystem conservation, climate Change and sustainable development (ECOCASD - 2013)**, Organized by University of Kerala at Thiruvananthapuram, 3-5 October, 2013
(Contributed 2 papers)
137. **National conference on 'Indian Environmental Issues :**

Lessons from History'Organized by St. Teresa's College, Ernakulam, 25-26 November, 2013. (As a **Resource Person** , delivered **invited talk** on '*Waste Management : Lessons from the past and future trends*)

138. **National Conference on Heavy Metals in the Environment (HME - 2013)**

November 28-29, 2013, at School of Environmental Sciences, MGU,Kottayam,

139. **National Seminar** on 'Municipal Solid waste Management & its Impact on Ecosystems' at Assumption College as at Changanaserry, December 4 & 5,

2013 (As a **Resource Person** , delivered invited talk on '*Emerging trends in solid waste management*')

140. **International Symposium on 'Integrated Water Resource management**

(IWRM- 2014), organised by CWRDM, Kozhikode, Kerala , 19-21 February, 2014. (Presented one paper and Contributed a total of 3 papers)

Dr. Mahesh Mohan

141. **International Conference on Frontiers of Mass Spectrometry**, September 6 -Organised by **Inter University Instrumentation Centre**, MGU, Kottayam {Convenor} National Conference on **Heavy Metals in the Environment (HME - 2013)** November 28-29, 2013, at School of Environmental Sciences, MGU, Kottayam

Dr. Sylas V.P.

142. Dr. Sylas V.P. has participated and presented a paper in the **International Training Programme (Workshop)** organized by BIARI, Brown University, Providence, USA (1 month).

143. Resource Person of **National Seminar** on Environmental Conservation for Sustainable Living. organised by Deva Matha College, Kuravilangad, Kottayam (2013).

144. Resource Person of Regional Seminar on Challenges to Sustainable Development and Environmental Protection by Sree Narayana Gurukulam Engineering College, Kolenchery, Eranakulam.

145. Participated in the Induction Training programme of FLAIR – Fostering Linkages in Academic Innovations and Research – Programme by Department of Higher Education, Govt. of Kerala (Phase I and Phase II Programme).

146. **International Conference on Frontiers of Mass Spectrometry**, September 6 -9, Organised by **Inter University Instrumentation Centre**, MGU, Kottayam,

147. **National Conference on Heavy Metals in the Environment (HME - 2013)** November 28-29, 2013, at School of Environmental Sciences, MGU, Kottayam,(Contributed 2 papers – 1 Oral and 1 poster)

SCHOOL OF GANDHIAN THOUGHT AND DEVELOPMENT STUDIES

Dr.C.R.Harilakshmeendra kumar

148. Participated in the Trainers Training Programme conducted by NSS Kerala State Cell on 9th November 2013.
149. UGC sponsored workshop on Research Methodology for Academic Research(Participated as a Resource person) from 3rd February 2014 to 7th February 2014.
150. Participated in the Short Term Course for Research guides in Social Sciences conducted by UGC ASC Kerala University from 7.10.2013 to 11.10.2013 .
151. Presented a paper on Gandhian Approach to health. Organised by Indian Martial Arts Academy on 08.03.2014.
152. Presented a paper on Health & Health Reform conducted by Amrutham Prakerthi Jeevana Kendra on 23rd March 2014.

Manjusha K A

153. Attended an ICHR Sponsored Two Day **National Seminar** on “Understanding the Tribal Life in India: Issues, Challenges and Alternate Approaches” on 10th and 11th of October 2013 at the School of Gandhian Thought and Development Studies, M.G.University, Kottayam.
154. Attended the 18th **Annual Conference and International Seminar** of Association of Third World Studies, South Asia Chapter, Gandhigram University, November 29,30 and December 1st 2013 .
155. Attended the 74th Session Indian History Congress, Ravenshaw University, Cuttack, Orissa, 28th -30th December, 2013.
156. Attended the 34th Annual Session of South Indian History Congress, Post Graduate and Research Department of History, AVVM Sri Pushpam College(Autonomous), Poondi, Thanchavoor, Tamil Nadu, 28th February, 1st and 2nd March, 2014.
157. ICHR Sponsored Two Day **National Seminar** on “Understanding the Tribal Life in India: Issues, Challenges and Alternate Approaches” on 10th and 11th of October 2013.

158. Presented a Paper entitled as “Peace and Conflict Resolution among the Tribals of Kerala: A Study with special reference to the Malaipandaram Tribe of Pathanamthitta District” in the ICHR Sponsored National Seminar on “Understanding the Tribal Life in India: Issues, Challenges and Alternate Approaches” at SGTDS, on 10th and 11th of October, 2013.
159. Presented a paper entitled as “Silent Genocide of the Tribals : A Study on the Malnutrition Problems of the Tribals in the Attappady Hills of Palakkad District in Kerala” in the 74th Indian History Congress, Ravenshaw Univesity, Cuttack, Orissa, 28th to 30th December,2013.
160. Presented a paper entitled as “Eco Feminism : A Historical Analysis through the Approaches, Criticisms and New Trends” in the ATWS Annual Conference and International Seminar on 29-30 November and 1st December 2013 at the the18th Annual Conference and **International Seminar** of Association of Third World Studies, South Asia Chapter, Gandhigram University, Tamil Nadu.
161. Presented a paper entitled as “Indegenous Knowledge System and Gandhian Thought: A Vision for the Next Millennium through Meaningful Integration” at the Post Graduate and Research Department of History, AVVM Sri Pushpam College(Autonomous), Poondi, Thanchavoor, Tamil Nadu, 28th February, 1st and 2nd March, 2014.
162. Attended 5 Days Workshop on Research Methodology At TISS, Mumbai in July 2013.
163. Attended 5 days Workshop on Research Methodology at TISS, Mumbai in October, 2013.
164. Attended 5 Days Workshop on Research Methodology At TISS, Mumbai in January, 2014.
165. Attended 5 Days UGC Sponsored National Workshop on “Research Methodology for Academic Research” on 3rd February to 7th February, 2014.

Dr. M S John

166. Presented a paper on *From MGP to Kerala Local Government Service Delivery Project* In the Eighth **International Annual Conference** on Public Policy and Management, Centre for Public Policy, IIM, Bangalore, from 12-14 August 2013.
167. Presented a paper in the UGC sponsored **National Seminar** on Public-Private Partnership: Policies, Practices and Perspective, Department of Political Science , Newman College , from 17-18 April 2013.
168. Delivered the valedictory address in the **National seminar** on “*Equity in search of sustainability: An ecological view*” organized by Department of Sociology , C M S College, Kottayam on 23 & 24 January 2013.

169. Presented a paper on *International Energy-Related Conflicts* UGC National Seminar on Energy Crisis organized by St Cyril's College, on 20 & 21 February 2014.
170. Presented a paper on Deliberative Democracy: A Critical Overview National seminar on Deliberative Democracy, Public Sphere and the Politics of Alternatives in India, Alphonsa College, Pala & Institute of Gandhian Studies, Wardha, on 25 & 26 February 2014.

Dr Sandhya R.S

171. Presented a paper on Tribal Welfare Measures in India in the ICHR sponsored **National Seminar** on Understanding Tribal Life in India: Issues, Challenges and alternate Approaches organized by School of Gandhian Thought and Development Studies, MG University (October, 2013)
172. Presented a paper on “ Elderly Widows in Kerala: An Invisible, Dependent and Secluded Population in the **International Conference** on Elder Abuse and Neglect Organised by Centre for Gerontological Studies, Thiruvananthapuram (March, 2014)
173. Chaired a session on Understanding Tribal Life in India: Issues, Challenges and alternate Approaches organized by School of Gandhian Thought and Development Studies, MG University (October, 2013)

SCHOOL OF INDIAN LEGAL THOUGHT

Dr. George Joseph

174. **Dr. George Joseph**, Assistant Professor, School of Indian Legal Thought, participated in the **national Seminar** on Corporate Justice-Legal Challenges on 27-29 Nov 2013 by Indian Institute of corporate affairs, School of Corporate Law, Haryana and presented the paper “**Protection of Human Rights in Corporate Sectors- Accountability & Responsibility**”.
175. Participated in the **International Conference** of Jurists organized by International Council of Jurists on 30 Nov & 1 Dec 2013 at New Delhi and presented the paper “:**Freedom of Press and Parliamentary Privileges in India**”

176. Participated in the Professional Development Training for Law Teachers on 'Law Teaching and Future of Legal Education', organized by IBA-Chair on Continuing Legal Education, National Law School of India University, Bangalore and Menon Institute of Legal Advocacy Training, Trivandrum at Mar Gregorios College of Law , Trivandrum, from 09-12 October 2013.

Dr.MC Pramodan (Asso. Professor, SILT)

177. Participated in the **National Seminar** on Legal Regime of Cyber Space on August 2013 by Dayanand College of Law, Latur.
178. Participated in the **National Seminar** on Role of Universities in Developing Human Rights Advocacy Skills on December 2013 by Department of Law, University of Kerala
179. Participated in the **National Seminar** on Human Rights Issues in Criminal Justice Administration on January 2014 by School of Legal Studies, Kannur University.

Dr.Sheeba Pillai(Asst.Professor,SILT)

180. Participated and Presented a paper titled 'Media as a Fourth Estate: Myth or Reality' at the **National Conference** on the Changing Role of Media in India: Constitutional Perspectives' organised by the Christ University, School of Law on Feb 28th to March 1st 2014
181. Delivered a lecture at a seminar on Human Rights in 21st Century: Problems and Promises organised by Mar Gregarious College of law,Thiruvananthapuram on 10th December 2013.
182. Participated and Presented a paper titled 'Media as a Fourth Estate: Myth or Reality' at the **National Conference** on the Changing Role of Media in India: Constitutional Perspectives' organised by the Christ University, School of Law on Feb. 28th and March 1st 2014

Dr. Rajeesh A P(Asst. Professor, SILT)

183. Participated and presented a Paper under the title Investigative Journalism and Administration of Justice, in the **National Conference** on the Challenging Role of

the Media in India: Constitutional Perspectives Held from February 28 – March 1, 2014 organized by School of Law Christ University, Bangalore.

184. Participated and presented a Paper two day **National Seminar on Media and Privacy – A Retrospection**, organized by His Highness the Maharaja's Government Law College, Ernakulam held on 25th and 26th February 2014 and presented a paper under the title, **Press Freedom and Contempt of Court**.

Dr. Jasmine Alex(Asst.Professor,SILT)

185. Participated in an Orientation Programme on Managing Diversity and Equity in Universities and Colleges organised by the Department of Educational Administration, National University of Educational Planning and Research, New Delhi during 02-06 Dec. 2013
186. Participated in an **International Seminar** on Research Impact, Publishing and Profiling jointly organised by School of Marine Sciences, CUSAT and Kerala Library Association, Ernakulam Region on 3rd January 2014
187. Participated in **National Conference** on the Changing Role of the Media in India:Constitutional Perspectives held from feb28th to March 1st 2014 by Christ University, Bangalore
188. Participated in **National Seminar** on Socio-Economic Rights: Challenges for its Realisation organised by Justice V R Krishna Iyer Chair on Human Rights School of Legal Studies, CUSAT during 3-5 March 2014

Dr. Gigi P V(Asst. Professor, SILT)

- 189.Presented a paper titled 'Need for Price Control over Patented Medicine in India' organized by Government Law College, Thrissur on February 2013.
- 190.Presented a paper titled 'Adoption- Procedural Problem' organized by School of Indian Legal Thought, M.G University, Kottayam on March 2013.
- 191.Presented a paper titled 'Protection of Rights of Farmers and Agriculture Price Policy in India' in the National Seminar organized by M.G University, Kottayam.
- 192.Presented a paper titled 'Need for Price Control over Patented Medicine in India' organized by Government Law College, Thrissur on February 2013.
- 193.Presented a paper entitled 'Rights of Women and New Legal Protection' organized by C.M.S College, Kottayam on December 2013.

Sri. Sunil Kumar Cyriac (Asst. Professor, SILT)

194. Attended Two Day National Workshop for Training of Trainers on challenges in law teaching, Research and Administration in government law colleges in kerala, conducted by His Highness The Maharaja's Government Law College, Ernakulam, from 10th & 11th January 2014

SCHOOL OF INTERNATIONAL RELATION & POLITICS : NIL

SCHOOL OF LETTERS

Dr.P.S. Radhakrishnan

195. Presented paper on Inter disciplinary in **National Workshop** on Research methodology Organized by UGC, Academic Staff College, University of Kerala
196. Attended Azhikode Memorial Lecture organised by Abudabi Sakthi Theatres
197. Attended Paleli Narayanan Lecture (04.03.2013) organised by U.C.College, Aluva
198. Presented paper on Masquerades of masculinity in **National Seminar** (Oct 2013) organised by the Dept. of Malayalam, University of Kerala
199. Presented paper on Influence of Indian aesthetics on Malayalam Criticism in **National Seminar** (August 2013) organised by the Dept. of Sanskrit, University of kerala
200. Presented paper on Literary Historiography in Malayalam in **National Seminar** (Nov. 2013) organised by the Malayalam Sarvakalasala
201. Presented paper on Mahabharata: Text and Context at **National Seminar** (March 2013) organised by the Dept. of Malayalam, University of Kerala

Dr. K M Krishnan

202. Presented a paper on Novel and Short Story Research at Seminar on Research methodology—Approaches and Possibilities 11-13 June 2013, Department of Malayalam, University of Kerala Karyavattom, Trivandrum.
203. As Joint coordinator offered felicitations and chaired a session at Seminar on "Event, Memory and Literature: Trauma Narratives of the indian Subcontinent at St Thomas College, Kozhencherry, 5, 6 September, 2013.

204. Presented a paper on “Janakeeya Sahithyam Sankalpanam Charithram” Muttath Varkey Centenary Seminar, organized by Sahitya Akademi, New Delh and Muttath Varkey Foundation at SB College, Changanacherry. 13-15 December, 2013.
205. Gave the inaugural Lecture and made a plenary presentation on Space at Seminar on “ ‘Idam: Reflections on Space, Gender and Identity” at BCM College, Kottayam, 17, 18 January, 2014
206. Served as Coordinator of “National Seminar on Comparative Literature” in connection with the retirement of Prof. P P Raveendran 25, 26 and 27 March 2014.

Dr. P P Raveendran

207. Sahitya Akademi **National Seminar** on “Realism in Indian Fiction” on the Occasion of the Birth Centenary of Thakazhi and Potttekkat, New Delhi, 4-5 October 2013 (Paper: ‘SK Potttekkat: Novelist of the Everyday’)
208. The second Dr. Neelakantan Endowment lecture, Department of Sahitya, SS University of Sanskrit, Kalady, 5 December 2013 (Topic: “Reader Theories in the East and the West”)
209. **National Seminar** on Sites of Resistance, Department of English, SS University of Sanskrit, Kalady, 17-18 December 2013 (Plenary lecture: “Writing and Resistance”)
210. Sahitya Akademi **National Seminar** on the Changing Concept of Family in Indian Literature, Thunchan Parampu, Tirur, 2-3 February 2014 (Keynote lecture in the Inaugural Session)
211. Sahitya Akademi **National Seminar** on Literary Criticism, New Delhi, 13-15 March 2014 (Paper: “Modernity and the Present: Reading around Kesari Balakrishna Pillai”)

Dr. Jose K. Manuel

212. Presented a paper in the **National seminar** on Cinema: Language, Culture and society conducted by Sahithe Sakhyam on 13th July 2013. Title of the paper – ‘Popular Cinema in Malayalam after 2000’
213. **National Seminar** on: Cinema: Techniques and Culture conducted by : Department of Malayalam, University of Kerala on 22nd-24th October 2013. Title: ‘A Study on Screenplays’
214. **International Seminar** on Bridging the gaps: Education, Language and Culture conducted by the University of Kerala-School of Distance Education & Canterbury Christ Church University – faculty of Education on 22-23 January. Title : ‘Language and Culture as variables in Education’

215. **National Seminar** on : Bible and Literature conducted by: Sahithee sakhyam on 8th March 2014. Title : Impact of Bible upon Malayalam Literature

Dr. Harikumar S

216. Presented a paper on a **National Seminar** on “Herman Gundert” at University of Kerala organized by University of Kerala and Kendra Sahitya Akademy, New Delhi on 19 November 2013.
217. Delivered key-note address at a seminar conducted by the Department of Economics, Nirmala College, Muvattupuzha on 31 January 2014
218. Delivered a lecture about the poems of NV Krishna Warrior on “N V Memorial Seminar” conducted by Vallathol Vidyapeedam, Sukapuram
219. Coordinated one-day seminar on ‘ancient literature’ under Kannassa Chair in association with SOL on 7th March 2014

DEPARTMENT OF LIFE-LONG LEARNING & EXTENSION

Dr.K.Sabukuttan

220. Presented an invited paper in the UGC sponsored **National Seminar** on “Sustainable Resource management -Tools and techniques “. The title of the paper is “ Environment Enrichment activities through National Service Scheme”. The paper is published in the proceedings volume with ISBN: 978-81-7255-066-9 published by Department of Home Science, ST Teresa’s college Ernakulam.
221. Participated In The UGC sponsored **National work shop** on research methodology for academic Research from 3rd February to 7th February 2014 organized by the school of Gandhian Thought and Development studies.
222. Presented a paper titled “The Role of Kudumbasree Workers In the Process of
223. Developing Self Employment Opportunities- A Case Study of Nalpathimala”. In the **National seminar** on flagship programmes in the Development experiences of independent INDIA on 31st October 2014 organized by the PG Dept of History, Govt college Nedumangad.
224. Presented a paper entitled “Impact of humanism in the New social movements of Kerala” on 19th march 2015 in the **National seminar** sponsored by the Govt of kerala at Govt college Nedumangad.
225. Presented a Paper on ‘Swami Vivekananda on education’ in the U.G.C sponsored. “Two day **national seminar** on Swami Vivekananda’s message of community

service” for the youth of India On 29 August 2014 organized by Mar Athanasius College, Kothamangalam in collaboration with Vivekanada Chair Mahathma Gandhi University.

226. Presented a paper on ‘ How communalism affected the modernization of Kerala’ in the U.G.C sponsored **National seminar** on “Reflection on communalism in India : past and present” organized by the P.G Department of History & Research centre Sree Narayana College Chempazhanthy on 22 August 2014.

SCHOOL OF MANAGEMENT & BUSINESS STUDIES

227. “The Effect of Sales Promotions on the Sources of Consumer Based Brand Equity of Brands”, **2014 Annual Conference of the Emerging Marketing Conference Board, January 9-11, 2014, IIM Luknow- Noida Campus.**
228. ‘Social Marketing and Corporate Social responsibility of Hotels in India’, **National Seminar CHANGE 14:** “Social Marketing: Role of Academics, Government, Public Sector and NGO”, School of Business Management and Legal Studies, University of Kerala, March 14-15, 2014
229. “Experimental Tourism Opportunities in Kerala”, **UGC Sponsored National Seminar**, 25th September, 2014 Marian College Kuttikkanam
230. ‘Career Management in Changing Career Context’, Trends and Challenges in Indian Business Management, Jominy Joice & Siby Zacharias, **International Conference**, Placitum November 6 & 7, 2014, SNGC, Kolenchery, Kerala.

Best Paper award

231. ‘A Study on the influence of mentoring on turnover intentions’, Siby Zacharias & Roshen Therese Sebastian, **International Conference**, Placitum November 6 & 7, 2014, SNGC, Kolenchery, Kerala
232. Sonia Katherin Mathew and Johney Johnson(2014), *“An Empirical Study to Predict the Self-Employment Intention of Engineering Students Using EAO Model in Kerala, India”* Conference conducted by Australian Academy of Business and Social Sciences (in partnership with The Journal of Developing Areas),(2014)held in Malayasia. ISBN 978-0-9925622-0-5.
233. Sonia Katherin Mathew and Johney Johnson (2014), *“An empirical study on the Entrepreneurial Attitude Orientation of School students in state of Kerala”* conference conducted by Mount Zion College of Engineering.
234. Sonia Katherin Mathew and Johney Johnson(2014), *“A study on FDI in higher education sector in India”* conference conducted by St. Peter’s College.

235. Tijo Thomas and Johny Johnson (2014) "Impact of Cause Related Marketing in Lottery Business: a Study on Karunya Lottery in Kottayam District " Proceedings of 2014 **Annual Conference** of Emerging Markets Conference Board , ISBN NO:978-81-928560-0-1
236. Tijo Thomas and Johny Johnson (2014) "Impact of Celebrity Credibility on Consumer Intention for Behavioral Change: A Study on Celebrity Endorsed Social Advertising" e-proceedings of **Third International Marketing Conference** 2014, IIM Calcutta
237. Ushus Mathew and Dr. Johny Johnson, (2014), "Foreign Direct investment in Indian Healthcare Industry", pp 113-117. (conference conducted by St. Peters college, foreign Direct Investment in India – Opportunities and Challenges)ISBN 978-93-5156-043-2
238. *C V Lolitha and Johny Johnson (2014)* "Employee Engagement: Emerging Concept for Attrition Management", Proceedings of **3rd International Conference** on Managing Human Resources at the Workplace , ISBN 978-93-83302-01-7

SCHOOL OF PEDAGOGICAL SCIENCES

Dr. Celine Pereira

239. Participated in the International **Workshop** on Teachers Capacity Enhancement held on 6-10 May 2013 organized by Mitranikethan, Vellanad, Trivandrum and Association for World Education, Denmark.
240. Participated and presented a paper in the 3 day course (**State**) on RM in Education organized by School of Pedagogical Sciences on 12-14 August 2013.
241. Participated and presented a paper in the **National Seminar** held on 23-24 August 2013 organized by SN Training College, Varkala. **Paper:** Psychological Impacts of Smart Lessons among higher secondary school students.
242. Participated and presented a paper in the **International Seminar** on Revising Swami Vivekananda's Vision' for facing the Nrw Educational Challenges held on 5-7 Sep 2013 organized by Kerala Gandhi Smaraka Nidhi and Dr. K. Sivadasan Pillai Foundation for Educational Research and Development. Paper: Women Empowerment in Teacher Education Curriculum Kerala State,; An Analysis Based on Vivekananda's Philosophy.

243. Participated in the **National Seminar** on Best Practices in Education for 21st Century organized by Fathima Memorial Training College, Kollam held on 10-11 Dec. 2013.
244. Participated and presented a paper in the **National Seminar** on Reflective Practices: A tool for Professional Development of Teachers held on 26-27 August 2013 organized by St. Josephs Training College, Mannanam **Paper:** Extent of Metacognitive Skills Among Higher Secondary School Students.
245. Participated and presented a paper in the International Seminar on Challenges in Teaching and Learning of Faculty Development Programme held on 15-17 Aug.2013 organized by Dept of Indian Studies, University of Malaya held at University of Malaya , Kuala Lumpur, Paper: Comparison of Resilience Skills of Various Subsamples of Teacher Trainees of Kerala.
246. Participated in the **National Seminar** on positive psychology on 23-24 Jan 2014 held in NSS Training College Changanacherry.
247. Participated and presented a paper in the **International Seminar** on Institutional Interventions to Bridge Competency Gulf in An e-World held on 24-26 March 2014 organized by NSS Training College, Pandalam paper” Inclusive Skills of Upper Primary School Teacher: A Comparative Study.
248. Participated in **the International Conference** on Life Skill Education organized by IALSE held on 20-22 Dec. 20104 in Layolla College, Sreekaryam.

Dr. Jaya Jaise

249. Participated in the Course on Research Methodology in Education Organized by School of Pedagogical Sciences, Mahatma Gandhi University on 12th to 14th August 2013.
250. Participated and papers Presented in International, National, State and University level Conference/Workshops/Seminars/Symposia

Sl.No.	Title of the paper presented	Title of Conference/Seminar	Organised by	Year	Whether International/national/state/University level
1	Ushering in a Better Tomorrow through Peace Education	Revisiting Swami Vivekananda's Vision for Facing the New Educational Challenges	Kerala Gandhi Smarak Nidhi, Thiruvananthapuram, & Dr. K. Sivadasan Pillai Foundation for Educational Research and Development (SPFERD)	5 th to 7 th September 2013	International
2	From Darkness to Light: Sexuality Education to Safeguard against Child Sexual Abuse	Best Practices in Education for 21 st Century	Fathima Memorial Training College, Kollam	10 th & 11 th December 2013	NACC sponsored National Seminar
3	E-Learning: A Marvellous Platform for Gifted Students	Best Practices in Education for 21 st Century	Fathima Memorial Training College, Kollam	10 th & 11 th December 2013	NACC sponsored National Seminar
4	Moulding a Meaningful Life through Spiritual Intelligence	Positive Psychology Exploring Cognitive, Emotional and Social levels of Well-being in Learners	NSS Training College, Changanacherry	23 rd & 24 th January 2014	UGC Sponsored National Seminar
5	Techniques for Enhancing Phonological Awareness of students with Phonological Disorders	Learning Disabilities and inclusion	Mount Carmel College of Teacher Education for Women, Kottayam	14 th & 15 th February 2014	UGC Sponsored International Seminar
6	Reconsidering Lingua Pragmatic Awareness to improve Oral Communication Skills in English	Life Skills Education	Indian Association of Life Skills Education (IALSE); Loyola College of Social Sciences, Thiruvananthapuram; V.V. Giri National Labour Institute, Noida;	20 th to 22 nd February 2014	International Conference

			Department of Education, University of Kerala, Council for Teacher Education (CTE), South Zone; & Child Development Centre, Medical College, Thiruvananthapuram		
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Dr. Minikutty A

251. Participated in the three day Course on “Research Methodology in Education” organized by School of Pedagogical Sciences from 12/8/2013 to 14.8.2013.
252. Participated and presented a paper titled “Significance of Swami Vivekananda’s Views in the present Era for empowering Rural Women” in the International Seminar on Revisiting Swami Vivekananda’s Vision for Facing the new Educational Challenges organized by Kerala Gandhi Smaraka Nidhi, Thiruvananthapuram and Dr. K. Sivadasan Pillai Foundation for Educational Research and Development from 5/9/13 to 7/9/2013 at Gandhi Bhavan, Thycadu, Thiruvananthapuram.
253. Participated and presented a paper titled “Yoga as a Technique for Stress Management: Awareness among Higher Secondary School Students” in the two days UGC Sponsored **National Seminar** on “Positive Psychology: Exploring Cognitive, Emotional and Social Levels of Well-being in Learners” organized by N.S.S. Training College, Changanacherry on 22nd & 24th January 2014.

Dr. K.P. Suresh

254. Presented paper in the seminar organised by Dr. SIVANTHI ADITANAR COLLEGE OF EDUCATION: TIRUCHENDHUR, INTERNATIONAL CONFERENCE ON “TEACHER EDUCATION: MEETING THE NEEDS OF THE NEW GENERATION”. ADDRESSING MULTICULTURAL EDUCATION AND THE CONTEXT OF GANDHIAN REPOSITIONING CULTURALLY RESPONSIVE TEACHING.
255. Presented paper in the semnar organized by ST. XAVIER’S COLLEGE OF EDUCATION FOR PALAYAMKOTTAI ON THE TOPIC “ICT AND INDIAN HIGHER EDUCATION: THEORY PRACTICE AND PREDICAMENT OF A TEACHER”

Dr. Sajna Jaleel

256. *Fostering Positive Social Skills in an Inclusive Classroom*. Paper presented in the UGC Sponsored **International Seminar** on 'Learning Disabilities and Inclusion', Organized by Mount Carmel College of Teacher Education for Women, Kottayam on 14th and 15th February, 2014.
257. Jaleel, S., & Premachandran, P. (2014). *Need of Life Skills in Science Teaching with special reference to Chemistry*. Paper presented in the **International Conference** on 'Life Skills Education', Organized by IALSE, Loyola College of Social Sciences, Thiruvananthapuram, CTE South zone and Department of Education, University of Kerala, Thycad, Thiruvananthapuram from 20th to 22nd February, 2014.
258. Jaleel, S., & Premachandran, P. (2014). *A study on the extent of awareness about e – learning ethics among teacher educators at Graduate level*. Paper presented in the UGC sponsored **International Seminar** on 'Institutional Interventions to Bridge Competency Gaps in an E – World', Organized by NSS Training College, Pandalam & CTE Kerala State Centre from 24th to 26th March, 2014.
259. Jaleel, S., & Anitha, A. K. (2014). *Effectiveness of Sudarsana Kriya Yoga on Educational Aspiration among Adolescent Graduate Students*. Paper presented in the UGC Sponsored **National Seminar** on 'Yoga – A Panacea for Lifestyle diseases', Organized by St. Thomas College of Teacher Education, Pala on 23rd and 24th January, 2014.
260. *Learning Optimism through Positive Psychology*. Paper presented in the U.G.C. Sponsored **National Seminar** on 'Positive Psychology – Exploring Cognitive, Emotional and Social levels of Well being in Learners', Organized by NSS Training College, Changanacherry on 23rd and 24th January, 2014.
261. *A study on the attitude of secondary school teachers of Kollam District towards the educational philosophy of Swami Vivekananda*. Paper presented in the **International Seminar** on 'Revisiting Swami Vivekananda's vision for facing the new Educational challenges', Organized by Kerala Gandhi Smaraka Nidhi and SPFERD from 5th to 7th September, 2013.
262. Jaleel, S., & Premachandran, P. (2013). *Reflective teacher: An asset for a constructive class room*. Paper presented in the UGC Sponsored **National Seminar** on 'Reflections on Reflective Practices', Organized by St. Thomas College of Teacher Education, Pala on 21st and 22nd November, 2013.
263. Jaleel, S., & Titus, B. (2013). *Reflective Learning Practices for Fueling Mathematical Creativity among secondary school students*. Paper presented in

the UGC Sponsored **National Seminar** on 'Reflections on Reflective Practices', Organized by St. Thomas College of Teacher Education, Pala on 21st and 22nd November, 2013.

264. *Making Chemistry teaching relevant through best practices.* Paper presented in the NAAC Sponsored **National Seminar** on 'Best Practices in Education for 21st century', organized by Fathima Memorial Training College, Kollam on 10th and 11th December, 2013.

Dr. Jayasree P

265. A study on certain ingredients of Swami Vivekanandas Man making Education among secondary school Students in the **international seminar** organized by Kerala Gandhi smarak Nidhi and Dr. Sivadhasan Pillai Foudation for Educational Research and development from 5th to 7th septmber 2013
266. Popularisation of Co Education, Student exchange programme and environmental education: A case study based on Pallikkoodam at Kottayam organised by Govt.Brennen college of Teacher Education on April 10th 11th 2013
267. A study on self awareness skill and interpersonal relationship skills among tribal students of Ambedkar memorial residential school. Paper presented in the International Conference on 'Life Skills Education', Organized by IALSE, Loyola College of Social Sciences, Thiruvananthapram, CTE South zone and Department of Education, University of Kerala, Thycaud, Thiruvananthapuram from 20th to 22nd February, 2014.
268. Life skills of students of higher secondary school. Paper presented in the International Conference on 'Life Skills Education', Organized by IALSE, Loyola College of Social Sciences, Thiruvananthapram, CTE South zone and Department of Education, University of Kerala, Thycaud, Thiruvananthapuram from 20th to 22nd February, 2014.
269. A study on classroom management of teacher Educators at secondary level. Paper presented in the UGC sponsored **International Seminar** on 'Institutional Interventions to Bridge Competency Gulf in an E – World', Organized by NSS Training College, Pandalam& CTE Kerala State Centre from 24th to 26th March, 2014.

270. An assessment of Mahatma Gandhi National Rural Employment Guarantee Scheme for the empowerment of scheduled tribe women. Paper presented in the UGC sponsored **International Seminar** on 'Institutional Interventions to Bridge Competency Gulf in an E - World', Organized by NSS Training College, Pandalam & CTE Kerala State Centre from 24th to 26th March, 2014.

Dr.P. J. Jacob

271. ICT Access of Learning Disabled Students at Secondary School Level. UGC sponsored **International Seminar** on Learning Disabilities and Inclusion held at Mount Carmel College of Teacher Education for women, Kottayam on 14, 15 Feb 2014
272. A Study on the relationship between self esteem and social maturity of Adolescents using facebook. **International Seminar** on Institutional Interventions to bridge competency gulf in an e-world (II BCGEW) organised by NSS Training College Pandalam and CT E on 24, 25 and 26 March 2014.

National

273. Learning Disability - A threat to student achievement . UGC Sponsored National Seminar on Learning Disability: No Child Left Behind held at St. Thomas College of Teacher Education. Pala on 27, 28 June 2013

State

274. Attended three day course on Research Methodology in Education held at SPS, M. G university on 12 to 14th August 2013

Dr. T.V Thulasidharan

275. Anti Social Expressions in Adolescence - Issues and Ways of Preventions. Paper presented in the International seminar on 'Learning Disabilities and Inclusion' organised by Mount Carmel College of Teacher Education for Women on 14-15 Feb 2014

Sudharma A

276. Participated in the workshop in connection with M.Ed. Curriculum Revision organised by Department of Education, University of Kerala, Trivandrum on 11th February 2014
277. Orientation workshops on Adolescent Education and Life Skills for principals of Colleges of Teacher Education organised by School of Pedagogical Sciences,

- Mahatma Gandhi University in Collaboration with SCERT Kerala with financial support of NCERT New Delhi on 29th August 2014
278. Empowerment Programme on Adolescence Health and Life Skills organised by School of pedagogical Sciences , M.G. University, SCERT and NCERT on 2-4 September 2014
 279. National Level workshop- Revised NCTE Curriculum organised by NCTE and Government College of Teacher Education, Thiruvananthapuram on 27&28-04-2015
 280. Attended program advisory Committee meeting of DIET, Thiruvalla organised by District institute of Education and Training on 23-06-2015

SCHOOL OF PHYSICAL EDUCATION & SPORTS SCIENCE : NIL

SCHOOL OF PURE AND APPLIED PHYSICS

Prof. K Indulekha

281. All India Radio Talk Vaananireekshanam
282. Talk on Mangalyaan ChinmayaVidyalaya, Illickal
283. All India Radio Talk "Adrsyadravyakanikayethedi"
284. "Bound Stellar Systems" IRC Conference in Astronomy: Opportunities & Challenges Nirmala College Muvattupuzha 2014 State Lecture General Theory of Relativity -M A College Kothamangalam
285. "Open Clusters -Some thoughts on them " Chanda @ 60 One Day Meeting on Galaxies IISc Bangalore 2014 State Astrophysics & Astrophotography Thunchan Memorial Govt College, Tirur
286. "General Theory of Relativity" IRC Workshop on Recent Developments in Cosmology 10 September Sacred Heart College Thevara
287. General Theory of Relativity St Peter's College, Kolenchery
288. Oral presentation on Effective Hydraulic Conductivity at disaster Risk & Vulnerability Conference at Kerala University
289. Spectroscopy MacFastTiruvalla
290. Lecture Water in the Universe St Teresas
291. Lecture on Physics Astronomy & Astrophysics Govt College, Manimalakkunnu
292. Lecture at Meeting of Astronomers of Kerala Origin, MACFAST Tiruvalla 'Formation of Open Clusters'

293. Lecture "Skywatching" Amrita University
294. Rapporteur talk on 'Stars & Galaxies' XXXth Meeting of ASI 22nd Feb 2013
Thiruvananthapuram
295. All India Radio Talk Large Hadron Collider-um nammalum
296. Lecture Higgs Boson and Us National Seminar on Recent Trends in Physics
KKTU Govt College, Pullut
297. Lecture on Large Hadron Collider -M. A. College, Kothamangalam

Dr. Nandakumar Kalarikkal

298. Invited talk on the topic "Metal oxide Nanoparticles for Tailored Applications", in the **National Seminar** on Perspective in Material Science- POLYMACS 14, organized by KSCSTE and department of Polymer Chemistry, Marthoma college of Science and Technology, Ayur, November-7, 2014
299. Invited talk in Bioradiance 14, conducted by Pushpagiri Centre for Virology, Pushpagiri Institute of Medical Sciences and Research Centre, Tiruvalla, May 3rd, 2014.
300. Invited lecture on the topic "Nanomaterials with multifunctional properties for Tailored Applications" in the Workshop on Recent Development in Functional Materials, Department of Applied sciences and Department of Materials & metallurgical Engineering, PEC University of Technology, Chandigarh. 26th April, 2013.
301. Invited Lecture during the Faculty development programme on Nanoscale science and Technology, organized by School of Nanoscale science and Technology, NIT, Calicut, 30th June, 2014.
302. **International conference** on Tissue Engineering and Regenerative medicine (ICAPM_2013), Organised by centre for excellence in tissue engineering, National Institute of Technology, Rourkela, Odisha, November 15-17 (2013)
Obtained Best Oral award.
303. Microstructure and physical properties of multiferroic hexagonal ErMnO₃ thin films. The second **international conference** on Optoelectronic materials and Thin films for Advanced Technology (OMTAT 2013), Cochin University of Science and Technology, Cochin, January 3-5, (2013). **Obtained Second position in poster presentation.**
304. Effect of Zinc oxide nanoparticles on the fiber diameter and fiber morphology of electrospun polycaprolactone, **Second International Conference** on Nanomaterials: Synthesis, Characterization and Application. Organised by Centre

- for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam. January 12-15 (2012) .**Obtained Second prize in poster presentation.**
305. Biomedicine 2014, **National seminar** organized by Pushpagiri Research centre, Tiruvalla, Kerala, May 3rd, (2014). **Obtained Best poster award.**
306. **International Conference** on membranes, organized by the Centre for Environment Education and Technology(CEET), Advanced Centre of Environmental studies and sustainable Development(ACESSD), Mahatma Gandhi University, Kottayam. **Obtained Best poster award**
307. Electric magnetic and magnetoelectric coupling studies in BiFeO₃-NaNbO₃ nano composites Rehana P Ummer, **Nandakumar Kalarikkal . International Conference** on Energy harvesting storage and conversion (ICEEE 2015), Cochin university of Science and technology, February 4-7 (2014)

Dr C Sudarsanakumar

308. **6th International Symposium** on recent trends in molecular structure and function Jan 22-24, 2014, Madras University.
309. **International conference** on chemical Biology: Disease mechanism and therapeutics: IICB 2014, Indian Institute of Chemical Technology, Hyderabad.
310. National Science Day Celebration, DIET, Kottayam, Feb 28, 2014.
311. **National Seminar** on Crystallography 43a . March 2014, IISER Mohali.
312. DAE Solid State Physics Symposium, Vellore Institute of Technology, India 2014
313. National Laser Symposium 2014, S.V.University, Thirupathi, India

Dr N V Unnikrishnan

314. Arun Kumar K V, Remya Mohan P, Sunil Thomas, Gijo Jose, P R Biju and Unnikrishnan N V, Luminescence enhancement studies of Sm³⁺/Ag doped titanosilicate glasses, National Laser Symposium 6-9 February 2013, Bhabha Atomic Research Centre, Mumbai.
315. Arun Kumar K V, Sunil Thomas, Ann Mary, Cyriac Joseph, Biju P R and Unnikrishnan N V Dielectric and ac conductivity studies of ZnO/Eu³⁺ : titanosilicate matrix, 2nd **International conference** on Optoelectronic Materials and Thin films for Advanced Technology (OMTAT 2013), 3-5 January, Kochi.
316. Remya Mohan P, M S Sajna, Cyriac Joseph, P R Biju, N V Unnikrishnan, Structural and optical studies of Dy³⁺/Ag doped titanosilicate glasses, **National seminar** on emerging trends in growth & characterization of single crystals and nanomaterials, March 2013, Sacred Heart College Chalakudy, Kerala.

317. K. A. Ann Mary, Sajna M.S, Sunil Thomas, N. V. Unnikrishnan & Reji Philip, Synthesis of silica capped CuS Ag₂S nanoparticles and their nonlinear optical properties, Indo German Conference on Laser Applications and Nanoscience” 5-7 December 2013, Thiruvananthapuram.
318. K. A Ann Mary, N. V Unnikrishnan, Reji Philip, “One pot synthesis of silica capped I-VI metal sulfides and their nonlinear optical properties, National Laser Symposium (NLS-22) 2014 Manipal.
319. Karthika S, Prathibha Vasudevan, Viji Vidyadharan, Unnikrishnan N.V, Fluorescence Studies of Tryptophan in Sol-Gel Titanosilicate Xerogels, **National Seminar** on “Current Developments in Nano Materials” [NANOMS 2012], Catholicate College, Pathanamthitta.
320. Viji Vidyadharan, Karthika S, Ann Mary K.A, Biju P.R, Cyriac Joseph, Unnikrishnan N.V, Optical and Dielectric Studies of Bi³⁺, Bi³⁺/Sm³⁺ doped Sol-Gel Silica Glasses, **National Seminar** on ‘Current Trends in Material Science’ [NSCTMS 2012], NSS Hindu College, Changanasserry.
321. M S Sajna, P R Biju, Viji Vidyadharan, Cyriac Joseph and N. V. Unnikrishnan Sensitizing Eu³⁺ ion in ZnO doped Sol-gel derived bismuth-silica matrix, National Laser Symposium (NLS-21), BARC, Mumbai 6-9 Feb 2013.
322. Viji Vidyadharan, Cyriac Joseph, Unnikrishnan N.V & P R Biju, Optical characterization of red emitting SrCaTiO₃: Pr³⁺ phosphor, **National Seminar** on ‘23rd Swadeshi Science Congress’ [2013], Mahatma Gandhi University, Kottayam.
323. Karthika S, Sunil Thomas*, Manju Gopinath, Prakashan V P & N V Unnikrishnan, Structural and Spectroscopic Studies of Sm³⁺/CdS Nanocrystallites in TiO₂-ZrO₂ Hosts, “23rd Kerala Swadeshi Science Congress” 6-8 November 2013, Mahatma Gandhi University, Kottayam, Kerala.
324. Karthika S, Rani George, Sajna M S, Cyriac Joseph, N V Unnikrishnan, Local symmetry analysis of Eu³⁺/nanocrystallites doped titania-zirconia hybrids, National Seminar on ‘23rd Swadeshi Science Congress’ [2013], Mahatma Gandhi University, Kottayam.
325. K. A Ann Mary, N. V Unnikrishnan, Reji Philip, “Synthesis and nonlinear optical properties of silica capped I-IV metal sulfides”, Swadeshi Science Congress, 2013, Kottayam.
326. K. A Ann Mary, N. V Unnikrishnan, Reji Philip “Ultrafast optical nonlinearity in CuS nanocrystals”, 26th Kerala Science Congress, 2014, Wayanad.

327. Sunil Thomas, Sajna M.S., P.R. Biju, Cyriac Joseph, N.V. Unnikrishnan, Optical Properties of Er³⁺ -Doped Li-Zn Fluoroborate Glass, "6th National Symposium for Materials Research Scholars, MR 14" [May 2014] IIT Bombay.
328. VijiVidyadharan, Sajna M S, Cyriac Joseph, N V Unnikrishnan& P R Biju, Photoluminescent characterization of Sm³⁺ ions in SrCaTiO₃ host lattice, Sixth International Conference on Optical, Optoelectronic and Photonic Materials and Applications-ICOOPMA14, University of Leeds, UK.

Dr P R Biju

329. National Laser Symposium 6-9 February 2013, Bhabha Atomic Research Centre, Mumbai.
330. OMTAT 2013, 3-5 January, Kochi.
331. **National seminar** on emerging trends in growth & characterization of single crystals and nanomaterials, March 20013, Sacred Heart College Chalakudy, Kerala.
332. Current Trends in Material Science' [NSCTMS 2012], NSS Hindu College, Changanasserry.
333. National Laser Symposium (NLS-21), BARC, Mumbai 6-9 Feb 2013.
334. Science Congress' [2013], Mahatma Gandhi University, Kottayam.

Dr ChanduVenugopal

335. Stability of the kinetic Alfvén wave in current-less plasma Abraham Noble P, **C Venugopal**, SebastainSijo, Renuka G, BalanNanan and Sreekala G 40thCOSPAR Scientific Assembly , Moscow, Russia, 2 – 10 August, 2014, abstract: B0.4 - 78 – 14.
336. Emerging Trends in Plasma Technology and its Applications
337. Advances in Geophysical, Space Applications and Research

Mrs. Saritha AC

338. **International Conference** on Materials for advanced Technologies, 30 June to 5 July, Materials Research Society , Singapore
339. **National Symposium** on preservation of ozone Layer and climate change, 24.09.2013, Org by Department of Atmospheric sciences, CUSAT, sponsored by Kerala State Council for Science ,Technology and Environment, Govt of Kerala.

340. IUMRS-ICA 2013, 16-20 December 2013, International Union of Materials Research Societies, Materials Research society of India.

Dr Cyriac Joseph

341. Indo-Us Workshop On Nanostructured Electronic Materials: Challenges & Relevance To Electronics & Energy Research March 8-11, 2013 C-MET, Thrissur One Dimensional Samarium Molybdate nanofibers Derived from Electrospinning Process Kamal P Mani, Vimal G, Biju P R, Cyriac Joseph and N V Unnikrishnan
342. Indo-Us Workshop On Nanostructured Electronic Materials: Challenges & Relevance To Electronics & Energy Research March 8-11, 2013 C-MET, Microwave assisted synthesis of Ammonium Rare Earth Oxalate Nanoplates Vimal G, Kamal P Mani, Biju P R, Cyriac Joseph and N V Unnikrishnan
343. Indo- German Conference on Laser Applications and Nanoscience December 5-7, 2013 KSCSTE, Thiruvananthapuram Effect of Sm³⁺ on the luminescence properties of ZnO nanocrystals. Vimal G, Kamal P Mani, Sisira S, Biju P R, Cyriac Joseph* and N V Unnikrishnan
344. Synthesis and Photoluminescence studies of Cerium phosphate and Terbium doped Cerium phosphate nanocrystals Sisira S, Vimal G, Kamal P Mani, Biju P R, Cyriac Joseph* and N V Unnikrishnan

SCHOOL OF SOCIAL SCIENCE

Dr. Rajesh Komath

345. Participated **National seminar on Development, Decentralization and Democracy**” organized by Kerala Economic Association (KEA) & Institute for sustainable Development and Governance (ISDG), Thiruvananthapuram on October 12, 2015
346. Participated and presented a paper titled “Green economics- conceptual and Mythological premises” in the two day national seminar on the topic ‘ **Green Economics – need of the contemporary world**” organized by the Department of Economics , N.M.S.M Govt college Kalpatta, Wayanad with the sponsorship of the UGC on 7th and 8th October 2015.
347. Participated and presented a paper titled ‘Is Adivasis’s Cultural Forms A Knowledge’ in the **National Seminar on “Understanding the Indigenous**

- Knowledge Systems of the Tribals in Kerala: A Historical Enquiry**” organised by Government College, Tripunithura, Department of History on 19th and 20th November, 2014.
348. Participated and presented a paper titled ‘Ritual Rootedness of Political Martyrdom in Kerala’, in the **National Seminar on ‘Martyred in History-Men and Causes’** organized by Department of history, University of Kerala held at the University Senate Chamber on 16, 17, 18, January 2014.
349. Participated in the ICHR **National Seminar on ‘Modern Kerala’** organized by the Department of History, University of Kerala held at University Senate Chamber on 3, 4, 5 October, 2013.
350. Paper presented on ‘Theyyam: Reflections to the Social Processes of North Malabar’ at H.H.M.S.P.B. NSS College for Women, Neeramankara, Thiruvananthapuram, Department of History, as part of UGC **State Level Seminar on ‘Folklore as a Source of Local History’**, 7 & 8 October, 2013.
351. Presented a paper titled ‘Political Economy of Education: A Reference to the Study of Adivasis in Kerala’ in the **National Seminar** held at Nirmalagiri College on ‘**The Impact of Tribal Education on Health and Nutrition—Need for an Effective Strategy**’ on 16, 17, 18, August, 2013
352. Presented a paper titled ‘Ethnographic I: Dancing Theyyam in north Malabar, Kerala’ at the **International Conference on ‘Traditions of Dissent in Subcontinental Literatures and Cultures’** conducted by Central University of Kerala, Kasaragod on October 15-17, 2012.
353. Presented a paper titled “**When a Ritual Enters the Market...**” at the 13th Annual Cultural Studies Workshop, Pune Feb 5—10, 2008, Conducted by Centre for Studies in Sciences, Kolkotta
354. Participated and Presented a paper titled " Shaping the Life: Kerala Youth in a Changing Socio-economic Order”in the ICSSR sponsored one day **International Seminar on Social Change in Contemporary India**, organized by Department of Anthropology, Kannur University on 19th March, 2008
355. The Paper titled “Theyyam: From Cult to Ritual: Space for Appropriation of Subaltern Performance to Social Oppression—North Malabar, Kerala”, Presented at an **International Seminar on Kerala History**, conducted by Kerala Council for Historical Research (KCHR), Trivandrum, March 16,17 and 18, 2006.
356. Participated and presented a research paper titled “The Living Cult of the Theyyam and Social Behavior: Certain Anthropological Observations” at the

- Regional Seminar on the Socio-economic Conditions of the Tribal Society in Malabar** organized by Nirmalagiri College, Kuthuparamba and under the auspices of IRISH (Institute For Research In Social Sciences And Humanities) in Association with Anthropological Survey of India, Kolkata on 11th and 12th March 2004.
357. Participated and presented a research paper titled 'Intergenerational Occupational and Educational Mobility: Case of Village Social Structure of North Malabar, Kerala', at **the Third Development Convention on Social Security, Human Development and Growth: Linkages and Disparities** by the ICSSR Research Institutes located in South India on January 29-30, 2004.
358. Presented the paper titled "Social and economic mobility of Traditional Social Groups in Kerala" at **Center for Development Studies**, Trivandrum on June 27th 2002.
359. Participated five day workshop "**On methodologies**" conducted by Inter University center for Social Science Research and Extension (IUCSSRE) in association with School of Social Sciences (SSS), September 14th to 18th, 2015.
360. Participated in Two Day National Workshop "**Doing Research in History: Recent Trends**". Organized by the Department of History, University College, Thiruvananthapuram on 17th and 18th November, **2014**.
361. Attended and presented a paper titled 'Re-Imagining the Cultural Past through Folklore' in the Two Day Workshop on 'Kerala Historiography and Modern Kerala' held on 12, 13 December 2013, organized by the **Department of History, Government College for Women, Thiruvananthapuram**.
362. Participated in '**National Workshop** on Historical Method and Historiography', 11, 12, 13 November, 2013, conducted by **University of Kerala, Department of History**. 'A' grade has been awarded for the participation and interaction.
363. Participated in the 13th Annual Cultural Studies Workshop, Pune Feb 5—10, 2008, Conducted by **Centre for Studies in Sciences, Kolkotta**.
364. Participated in the Four Week Refresher Course in Economics organized during 05-03-2007 to 30-03-2007, at **Academic Staff College, Jawaharlal Nehru University, New Delh**
365. Participated in the Writing Workshop (October 12/13/14: 2007) Conducted by the Contemporary Education Dialogue, **National Institute of Advanced Studies, Bangalore**.

366. Participated in a Three Week Summer School on “Philosophy of Social Sciences and Humanities” Conducted by **National Institute of Advanced Studies, Bangalore**, June 5-22, 2007.
367. Participated in a workshop for Ph.D. Scholars on Agrarian Studies in India, organized by the **Foundation for Agrarian Studies, Bangalore** from March 26th to 29, 2004.
368. Delivered a lecture on the topic ` to the participants of UGC sponsored orientation Programme being conducted by the UGC-HDRC, University of Calicut from 12.11.2015 to 09.12.2015
369. Annual Lecture Series on Social Transformation and Empowerment at Malayala Manorama’s Mass Communication [MASCOCOM] Course, Kottayam, 2009; 2010.
370. Conducted a One Week Lecture Series [10th October to 17th October, 2008] on Folk Arts of Kerala with Special Reference to an Oral Tradition – Theyyam at Mahindra United World College of India, Pune, Pune.

SCHOOL OF TOURISM STUDIES

Dr. Robinet Jacob

Full paper Conference proceedings

371. “Role of Social Media in influencing Travel decision making among foreign tourists visiting Kerala”, Annual conference of International Society of Travel and Tourism Educators (ISTTE), Charlotte, North Carolina, USA, October 15 - 17, 2015
372. “Barrier Free Tourism for Equitable and Sustainable Tourism Development and Management in Kerala,” [Annual conference of International Society of Travel and Tourism Educators \(ISTTE\), Detroit, Michigan, USA, October 17-19, 2013.](#)
373. “Emerging Trends in Health Tourism”, National Seminar held at Sree Sankaracharya University of Sanskrit, Kalady, 13-14 February, 2014.

Abin K.I

374. Bharathapuzha as a Special Interest Tourism (SIT) Product– Potentials & Problems (S. N College, Kumarakom, 9-10 April - 2013)

375. Thematic Tourism Circuits - "An Initiative for balanced tourism development with special reference to Kerala" (Sree Sankaracharya University of Sanskrit, Kalady. 13 - 14 February - 2014.
376. Purathoor Estuary - Potentials & Problems as a nature based tourism spot (National conference on Environment and Tourism, Organized by Konkan Geographers Association @ SreeSankaracharya University of Sanskrit, Kalady. November -2013).

INTERNATIONAL & INTER UNIVERSITY CENTRE FOR NANO SCIENCE & TECHNOLOGY

Prof.Sabu Thomas

377. 2013 October, Senior Visiting Professor, University Technology Mara (UiTM), Malaysia
378. 2013 December, Senior Visiting Professor, University Technology Mara (UiTM), Malaysia
379. 2014 March, Pleanry Speaker, Univerity of Basra, Iraq
380. 2014, April, Invited Speaker, University Tehcology, Mara, Malaysia
381. 2014 May, Invited Speaker, Warsaw University of Tehcology, Warsaw, Poland

Prof. Sabu Thomas and Dr. Nandakumar Kalarrikkal

382. **International Conference** on Advanced Polymeric Materials (ICAPM 2013) : 11-13 October 2013
383. Third Euro-India **International Conference** on Nanomedicine and Tissue Engineering (ICNT 2013) : 9-11 August 2013
384. Third **International Conference** on Recycling and Reuse of Materials (ICRM 2014): 11-13 April 2014

INTER UNIVERSITY CENTRE FOR SOCIAL SCIENCE RESEARCH AND EXTENSION

Dr. Sanal Mohan

385. 2013(April). Postdoctoral Visiting Fellow Max Planck Institute for the Study of Religious and Ethnic Diversity, Gottingen, Germany.
386. September 2012-2014. Fellow, Social Sciences Research Council New York in the Programme of New Directions in the Study of Prayers.

INSTITUTE FOR INTENSIVE RESEARCH IN BASIC SCIENCES

Prof(Dr). I. Ibnusaud

387. "Synthesis of enantiopure 3-substituted, 3, 4-disubstituted pyrrolidinediones and related isoquinoline alkaloid"; Divya S. Nair, DeenammaHabel, Grace Thomas, and Ibrahim Ibnusaud, **ACS Meeting** March 16-20, 2014 , Dallas, Texas
388. "Chiral molecules from renewable resources Synthesis of chiral pyrrolidines and related (+)-Crispine A analogue", DeenammaHabel, Divya S. Nair, Grace Thomas, ArshadSayed, and Ibrahim Ibnusaud, **IACT Meeting** 2013, November 7-9 at Annamalai University, Chidambaram, Tamil Nadu.

K.N RAJ STUDY CENTRE FOR PLANNING AND CENTRE –STATE FINANCIAL RELATIONS

Prof (Dr.) K. M Seethi

389. Seminar on "Emerging Kerala and the Budget 2013-14Symposium held on March 2013

ADVANCED MOLECULAR MATERIALS RESEARCH CENTRE

Prof(Dr.) Suresh Mathew

390. Invited Talk on "Phase stabilization of Ammonium Nitrate"- Suresh Mathew, Department of Inorganic Chemistry, Peking University, Beijing, China, September 30, 2013.
391. Invited talk on "Thermal studies of phase stabilization of ammonium nitrate"- Jisna Jos, Suresh Mathew in **International autumn seminar** on Propellants, Explosives and Pyrotechnics at Chengdu, Sichuan Province, China, September 24-27, 2013.
392. Prof. Suresh Mathew was Session Co-chair at **International autumn seminar** on Propellants, Explosives and Pyrotechnics at Chengdu, Sichuan Province, China, September 24-27, 2013.
393. Posters and papers presented at **National Seminar** on Nano science and Technology on February 15th& 16th, **2013** at Department of Science and Humanities, SreeNarayanaGurukulam College of Engineering, Kadayiruppu, Kolenchery.
394. "Nano isoreticular metal organic frameworks- A review"; Vandana P.V, Seetharaj. R, Suresh Mathew.
395. "Catalytic activity of NanoCuO in the thermal decomposition of ammonium perchlorate – A review", Jisna Jos, Suresh Mathew.

396. "Grapheme based TiO₂Nano composites- A review", Divya K.S, Umadevi T.U, Suresh Mathew.
397. "Influence of Palladium Loading on the Degradation Property of Titania Nanostructures";Suprabha T, Suresh Mathew.

SCHOOL OF TECHNOLOGY & APPLIED SCIENCES , PULARIKUNNU

Dr. K. Shreekrishna Kumar

1. APST: Approximation and Prediction of Stock Time-Series Data Using Pattern Sequence, *7th international Conference on Data mining and Warehousing Bangalore* (2013).
2. Estimation of the optical band gap values of annealed Quaterthiophene thin films, An international Conference of Science, Engineering & Management in Education and Research - A global perspective, Dayananda Sagar College of Engineering, Bangalore (2013).
3. Coating on Coir Fabrics with metal particles for textile applications. An international Conference of Science, Engineering & Management in Education and Research - A global perspective, Dayananda Sagar College of Engineering, Bangalore (2013).
4. Characterization of Electron Beam Eradiated Coir Fibres. National Seminar on Nano Structured Materials, N.S.S. Hindu College Changanacherry (2014).
5. Optical and Switching studies of Quaterthiophene (QT) Thin Films. Second IEEE International Conference on Emerging Electronics, Indian Institute of Science, Bangalore (2014).

Bijamma Thomas

6. Presented a research paper titled "Technology supported University Evaluation System for an affiliated University Administration with special referece to Mahatma Gandhi University" In the NAAC sponsored seminar on ' Quality Evaluation in Higher Education- The New Approach' at St.Thomas college ,Pala , Kerala.
7. A software Reliability Model Using Quantile Function 2014, Published in Hindwai Publishing Corporation, New York On Bilinear Quantile Hazard Function 2014, Metron, Springer

INSTITUTE OF NURSING EDUCATION , GANDHINAGAR

Prof. Celine Thomas

8. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014

Sherly Mol Antony

9. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014
10. Pre Conference work shop on research methodology and scientific writing held on 20/12/2013
11. International conference on research methodology and scientific writing held on 21/12/2013-22/12/2013

Mariamamma P Vargheese

12. State level conference on instructional technologies conducted by KVM college of nursing Cherthala on 28/05/2013
13. State conference on evaluation strategies conducted by Mar sleeve college of Nursing Cherpunkal Pala on 31/05/2013
14. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014

Simmy M Varkey

15. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014
16. Pre Conference work shop on research methodology and scientific writing held on 20/12/2013
17. International conference on research methodology and scientific writing held on 21/12/2013-22/12/2013
18. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014

Sreeja Mohan

19. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014

20. Advanced Emergency Management in DM on 22/2/14
 21. International Evidence Based Practice in nursing on 4/08/2013

Kavitha K

22. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014
 23. State level work shop in emergency preparedness – role of nurse, 20/07/2013

Jossy Jhon

24. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014

Mily Paul

25. State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014

DEPARTMENT OF PHARMACEUTICAL SCIENCES , THALAPPADY

P. Sriganesan

26. Third International conference on drug delivery at PSG College of Pharmacy ,Coimbatore On 28th-1st March 2014

Chacko A J

27. Third International conference on drug delivery at PSG College of Pharmacy ,Coimbatore On 28th-1st March 2014

INSTITUTE OF NURSING EDUCATION , ANDOOR

Sl.No.	Name	Topic	Venue
1.	Ms. Regi Thomas	Research Methodology and Biostatistics	INE, Pala
2.	Ms. Ambili A	Research Methodology and Biostatistics	INE, Gandinagar
3.	Ms. Manju P. Joseph	Research Methodology and Biostatistics	INE, Pala
4.	Ms. Suma C,	Research Methodology	INE, Pala

		and Biostatistics	
5.	Ms. Shazia Noorin Bin Syed Musthafa	Research Methodology and Biostatistics	INE, Pala
6.	Ms. Siji George	Research Methodology and Biostatistics	INE, Pala
7.	Ms. Neenu Jose	Research Methodology and Biostatistics	INE, Pala
8.	Ms. Sini James	Research Methodology and Biostatistics	INE, Pala/
		In service Education on oncology Nursing and documentation in nursing	SME, Gandhinagar
		Educational Programme on trends in high risk newborn management	St. Johns Hospital, Kattapana
9.	Ms. Annamma John	Research Methodology and Biostatistics	INE, Pala
10.	Ms. Alphonsa Jacob	Research Methodology and Biostatistics	"
11.	Ms. Lisamma Sebastian	Research Methodology and Biostatistics	"
12.	Ms. Ambujam M. B	Research Methodology and Biostatistics	"
13.	Ms. Divya S	Research Methodology and Biostatistics	"
14.	Ms. Bindu. R	Research Methodology and Biostatistics	"
15.	Ms. Harsha Pradeep	Research Methodology and Biostatistics	"
16.	Ms. Hima Soman	Research Methodology and Biostatistics	"
17.	Ms. Regin Joseph	Research Methodology and Biostatistics	"

18.	Ms.Simi K.K.	Research Methodology and Biostatistics	”
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2.6. Innovative processes adopted by the institution in Teaching and Learning:

1. School of Behavioural Science

Interviews with scholars working in the field, administrators of center's working for persons with disability are arranged as a part of teaching and learning in addition to the regular Teaching and learning activities.

2. School of Bio-Science

The school organizes invited talks, conducts student seminars, workshops besides regular activities under Credit and Semester systems.

3. School of Chemical Science

Open Courses are offered to students of other Departments of the University. Such Courses are not content driven and strive to achieve all round capacity building. Here the emphasis is not on creation or decimation of knowledge but rather on equipping students to utilize the information available from various sources more effectively.

4. School of Computer Sciences

Smart class Facility, video conferencing facility.

5. School of Distance Education

6. School of Environmental Science

A program of learning through field work was conducted. Organized several lectures from international scholars under erudite program.

7. School of Gandhian Thought and Development Studies

Use of Computer aided Technology

8. School of Indian Legal Thought

Assignment and Seminar presentation, Moot courts and Mock Trails

9. School of International Relation & Politics

The school has developed very effective, transparent and rigorous international mechanisms to accesses the cognitive ability of students and research scholars as well as to ascertain the level of knowledge, intelligence and articulation they have acquired over time. Periodic review sections are arranged, group-wise and individual wise, to monitor the levels of gap and to suggest remedial measures thereof. The school has evolved a learner friendly, need based, instructional / learning system to equip the students and research scholars to meet the emerging challenges. The instructional pattern apart, from its conformation- based mode, inculcates values of theory embeddedness self reflectivity and policy -alternatives. The learner friendly instructional system seeks to foster cognitive - analytical skill of students and, wherever necessary, provides space for the empowerment of the disadvantaged in the learning process through informal council ling and tutorial interface. While class room lectures continue to be an essential prerequisite for the imparting of knowledge, periodic seminars, book/ article review sessions and group interfaces provide the necessary intellectual climate for the learning and research in the school. The school has introduced a variety of audio- visual

information system such as computer –internet services, TV, DVD, OHP and LCD projectors for lectures and seminars.

The school has been sustaining a transparent, rigorous examination system under the CSS . The four semester pattern of MA involves mid-semester tests and end-semester examinations, seminar presentations, course –wise assignments such as book and/ or article reviews, group interfaces and submission of a dissertation at the end of the fourth semester. MPhil scholars have to submit a dissertation at the end of the second semester in a specialized area of the discipline. Innovative Evaluation process. Constant monitoring of individual and group performances.

10. School of Printing & Publishing

11. School of Letters

The academic programmes offered by School of Letters are very innovative and had far reaching consequences in the academic world. To begin with the interdisciplinary M Phil programme introduced in 1990 inaugurated an era of academics marked by a focus on literary and cultural theory, the resonances of which were felt in the academic atmosphere in the entire state. It not only inspired other universities to redesign their syllabus but prompted even the publishing industry, government establishments to focus attention on this aspect of knowledge production. The same orientation marked our efforts while organizing a series of Refresher Courses for academics in the 1990s and the first decade of this century. That our efforts did not go in vain is amply demonstrated by the fact that literary theory has become an integral part of all post graduate programmes in the state.

We introduced the interdisciplinary M Phil programme with the specific intention of eliminating the age old distinction between language studies. It was also intended to introduce the idea of cultural studies as the basic methodological tool and to find new avenues of common interest among languages, especially English and Malayalam. A large number of projects cutting across disciplinary boundaries completed at School of Letters bear testimony to the success of this initiative. This also led to the establishment of comparative literature as a discipline in a big way. This was facilitated by the housing of students of Malayalam and English together. The evaluative components also included regular seminar presentations, assignments, term papers and classroom interaction. Needless to add, at this level the students are encouraged rather than instructed to deal with portions on their own. Internal assessment accounts for the major part of our evaluation for all our programmes.

In 1992 we introduced the M Phil programme in Theatre Arts for the first time in this part of the country. The programme, conceived primarily as a theoretical one, gave a system for the conceptual enquiry into the world of theatre and gave a much needed inspiration and theoretical rigour and methodological clarity to theatre research and established its position as an academic discipline. That many of our alumni occupy important positions in institutions within India and abroad testifies to the effectiveness of our programme. Students of many allied visual art forms like dance and cinema too join our programme. This too is indicative of the vindication of our academic position and standing. The success of these programmes is partly due to our efforts to find areas of convergence between, literature, theatre, dance and cinema.

Even when we continued our innovative ways, we did not disregard or look with disrespect traditional disciplines or disciplinary boundaries. As matter of fact, research in traditional aspects of culture explored with the theoretical tools gained from contemporary theory is one strong area of research at M Phil and PhD levels here. However studies in many areas, considered taboo in literary studies in the past, are actively being encouraged and supported at School of Letters. This includes, popular literature (including detective stories), aspects of popular culture (including comic strips), film studies, translation studies, Dalit studies and so on. As matter of fact, an entire range of topics, methodologies and terminologies employed in the state takes its origin in School of Letters.

The first academic journal, (now with ISSN), Haritham, brought out by the University was from School of Letters. The journal into its twenty-first issue has already been noticed by the academic world and recognized by many universities in India and abroad. A collection of translation originally published in Haritham was a text book for long, for students of literature in the university at the UG level.

The PG programmes in English and Malayalam were started in 1997 with a very innovative curriculum designed by the faculty. The system conceived of each course (in the place of the conventional “papers”) as designed, taught and examined by a member of the faculty specializing in the area. This gave a high degree of autonomy to the programme with provision for revising the syllabus periodically. The programmes took into account the needs of Malayalam and English was named and designed as inter-literary, with two Common Core Courses, ten Core Courses and four Elective Courses, spread over four semesters. These along with a project and viva voce in Semester Four account for 72 Credits, the minimum required for a pass. The basic format of the programme was adapted with modifications by the university when it introduced the Credit, Course Semester Scheme (CSS) in the statutory departments.

The syllabuses for the various courses were designed in such a way that it ensured a comprehensive reading in area of special features and aspects. The texts were identified as the ones for required reading, recommended reading and background reading. This format allowed the faculty and the students to choose a method of dealing with the texts. This along with the system of assignments, seminars and term papers, obligatory components for internal assessment permitted the student also to take up, analyse and interpret certain texts on his/her own. As a rule texts in the recommended reading section of the syllabus were discussed in seminar presentations while those in the required reading list were for detailed discussion inside the classroom. This broad pattern has since been followed in the various curricula elsewhere. Evidently, our efforts have been of a pioneering nature.

Long before other institutions thought about replacing marks with something else, we had thought about and introduced them in our scheme. Even before our programmes became part of CSS, we had introduced a system of grading the students taking into account their performance during and at the end of the semester. This system of continuous and summative assessment graded the performance at the end of every semester (SGPA) and at the end of the programme (CGPA). This was also to ensure that no unhealthy competition existed among the pupils for ranks and positions. No need to add that at all levels grades have replaced marks.

To make our work in the fields of film studies more meaningful, we procured an 7D camera with state of the art accessories. Our students have from time to time made use of it by making films which have brought laurels to School of Letters and the University. This not only added variety to our activities, but also brought out the various creative talents of our students. It may be recalled that one of our students went on to make films which won national awards. Similarly we have procured copies of some of the finest classics in world cinema thus supplementing our fine collection of books in the library. This will definitely benefit scores of students working on films at various levels. Efforts are on to improve our collection by building up a collection of e-books. We have already procured a fine collection of bio-pics of major Malayalam writers brought out by SIET. A small collection of video-texts in Malayalam is another attraction of our library.

12. School of Pedagogical Sciences

Used technological devices for teaching/ learning process. Developed instructional packages, models and Strategies.

13. School of Physical Education & Sports Science

Commencement of Sports Academy, Proposal given for starting PG Programmes in Physical Education.

14. School of Pure and applied physics

Matlab Programme has been introduced for Msc. Students and Mphil. Students. Advanced practical has been given for Msc.Courses.

15. School of Management & Business Studies

Case study, live project, Assignment, Participative Learning

16. School of Social Science

Innovative process begin with conception of teaching programme. This is the only institution in Kerala that offers M Phil. Programme in Human Ecology and Natural History and Social transformation and Empowerment. Besides, the school has conceived all interdisciplinary orientation. The school has two classrooms equipped with new audiovisual technologies.

17. School of Technology & Applied Sciences

18. School of Tourism Studies

- Use of audio visual aids like LCD Projectors , Speakers, portable Mikes etc.
- Smart Class rooms with white Boards.
- Assignments – Seminars – Case study discussions – Tutorial – e-learning – role plays in language classes (English & French) , Group discussion - Mock interviews.
- Introduced semester plan for overall academic planning and timely execution.
- Destination visits
- Student news letter titled 'Ecovoice & Hue
- Use of ODLL Language Learning Software in language lab to enhance communication skills.
- SPSS Software for tourism research purpose used in SPSS Lab.
- Two months internship training in collaboration with the industry: constant validity check using DPR (Daily Progress Report), IEF (Internship Evaluation Form) and Internship certificate.
- Developed and MOU with Purdue University and University of Wisconsin, USA for academic collaboration and submitted a proposal for concurrence as a part of Obama – +Singh initiative for Indo- Us academic collaboration.

19. Department of Life-Long Learning & Extension

Education was imported through non formal media.

2.13 Initiatives undertaken towards faculty development

For faculty development, University encourages faculty to participate in various faculty exchange programs, refresher courses, workshops etc. The measures taken by various Schools as follows

SCHOOL OF BEHAVIOURAL SCIENCES

NIL.

SCHOOL OF BIO SCIENCES

Dr.MS Jisha

1. Hands on workshop on DNA Barcoding of microbes.30.3.2014
2. Training on basic techniques in Molecular Biology for college teachers, organised by the School

SCHOOL OF COMPUTER SCIENCES

Prof. (Dr.) R. Vijayakumar

1. Organized a National Seminar on "Computing and Communication" at School of Computer Sciences, December 2013.
2. **Computing in Malayalam for Malayalam using Visual Programming Language-** by Dr. K.P. Soman, Prof. & HOD, Centre for Excellence in Computational Engineering, Amrita Vishwa Vidyapeetham, Coimbatore
3. **Algorithm for Mining the Web and the Database-** by Dr. Sumithra S Nair, Indian Institute of Space Science and Technology (ISTE), Thiruvananthapuram
4. **Context Centered Communication-** by Sri. C.K. Subramania Prasad, Retd. Prof & HOD, Dept. Of Civil Engineering, NSS College, Palakkad
5. **Latest Trends in Software EGINEERING-** by Sri. Krishnan Chittoor, S/W Developer, Microsoft India Ltd.
6. **Organized a one day Induction Training programme** for Aided and Govt Teachers of Southern Region of Kerala, with the help of Flair Group ,Higher Education Dept , Govt of Kerala on 03/08/2013 ; Venue: Seminar Hall , School of Environmental Sciences.- Co-ordinated by Prof & HoD Dr.R.Vijayakumar , DCDC as per Directions of Registrar and Hon'ble VC.
7. A workshop for Lateral Entry MCA (LMCA)-----06-09-2013

8. A workshop on Double Degree MCA (DD MCA)-----11-10-2013
9. Member of organising committee, Interface 2013, a National level IT Fest organized by the School in association with Computer Science Students' Association of the School.

Ms. Bindu V.R.

- i. Attended a one-week long ISTE-SRM short term training programme on "Image Processing" organized by College of Engineering, Attingal and sponsored by Indian Society of Technical Education, NewDelhi during 3rd June to 9th June 2013
- ii. Co-ordinated and Attended a one day ISTE e-Workshop on "Creative Teaching" at School of Computer Sciences, October 2013.
The workshop was conducted using the video conferencing tool A-VIEW and the 15 different participating institutions were networked through internet, which enabled two-way interaction between the participants and the resource persons
- iii. Attended a National Seminar on "Computing and Communication" at School of Computer Sciences, December 2013.
- iv. Member of organising committee, Interface 2013, a National level IT Fest organized by the School in association with Computer Science Students' Association of the School
- v. Attended a 3-day National Workshop on "Computer Vision and Image Processing Techniques" organized by Department of Computer Science and Engineering, Amrita School of Engineering, Coimbatore during Feb 6-8, 2014.
- vi. Presented a research paper titled "A Fast Narrow Band Level Set Formulation for Shape Extraction" at the IEEE International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2014) held at the PRIST University, at Chennai, India during Feb 17-19, 2014
- vii. Attended Workshops on "Framing the Syllabus of Lateral Degree MCA Course" at School of Computer Sciences, September 2013.

Ms. Pushpalatha K.P.

1. Attended a Short Term Training Programme on “Pattern Recognition” organized by Govt. Engineering College, Kottayam, June 2013
2. Attended Workshops on “Framing the Syllabus of Lateral Degree MCA Course” at School of Computer Sciences, September 2013.
3. Attended Workshops on “Framing the Syllabus of Dual Degree MCA Course” at School of Computer Sciences, October 2013.
4. Co-ordinated and attended a National Seminar on “Computing and Communication” at School of Computer Sciences, December 2013.
5. Member of organising committee, Interface 2013, 2-days National level Technical Meet, organized by the School in association with Computer Science Students’ Association of the School.

Ms. Anuj Mohamed

1. Attended a Short Term Training Programme on “Pattern Recognition” organized by Govt. Engineering College, Kottayam, June 2013
 2. Attended a one day ISTE e-Workshop on “Creative Teaching” at School of Computer Sciences, October 2013.
 3. Attended Workshops on “Framing the Syllabus of Lateral Degree MCA Course” at School of Computer Sciences, September 2013.
 4. Attended Workshops on “Framing the Syllabus of Dual Degree MCA Course” at School of Computer Sciences, October 2013.
 5. Attended a National Seminar on “Computing and Communication” at School of Computer Sciences, December 2013
- b. Attended a Workshop on “Speech Processing” organized by Govt. Engineering College, Kottayam, December 2013
- c. Member of organising committee, Interface 2013, a National level IT Fest organized by the School in association with Computer Science Students’ Association of the School.

INTER UNIVERSITY CENTRE FOR SOCIAL SCIENCE RESEARCH AND EXTENSION

Dr. Sanal Mohan

398. 2013(April). Postdoctoral Visiting Fellow Max Planck Institute for the Study of Religious and Ethnic Diversity, Gottingen, Germany.

399. September 2012-2014. Fellow, Social Sciences Research Council New York in the Programme of New Directions in the Study of Prayers.

3.2 Details regarding major projects

The comprehensive information on the research projects, funding agency, amount sanctioned etc., are listed as each school and then faculty wise as follows,

School of Behavioural Science : NIL

School of Bio-Science

Faculty	Title	Funding agency	Amount (Lakhs)
PI:Dr Linu Mathew,Co-I:Dr K G Padmakumar	Barcoding and genetic diversity analysis of Clarias spp of Kerala	KSCSTE	14.7 lakhs
Dr Linu Mathew	Production of phytoecdysteroids from the callus cultures of achyranthes aspera	UGC	12.6 lakh
Dr.Jayachandran.K	Safety Evaluation of the process of Chlorination in drinking water system with specific reference to Chlorination derived By-products	UGC	9,60,000/-
Dr.Jayachandran.K	Acetyl Homoserine Lactone based quorum sensing and its biotechnological applications	KSCSTE	16,50,000/-
Dr. Jyothis Mathew	Studies on immune modulatory effects of Acacia catechu	UGC	11,16,300

Dr.Radhakrishnan EK Prof.(Dr.)Jyothis Mathew	Molecular Exploration of Spice Associated Bacteria for Bioactive metabolites and PKS-NRPS genes	DBT	15 Lakhs
Dr.Radhakrishnan EK Prof.(Dr.)Jyothis Mathew , Dr.Sheela Sugathan	Molecular Studies on Biofilm formation in Coagulase Negative Staphylococci	ICMR	22 Lakhs
Dr.R.Harikumaran Nair	Evaluation of the protective effect of omega-3 fatty acid against arsenic trioxide induced cardiac toxicity in cancer therapy	UGC	9.48 lakhs
Dr. Jisha M.S	Molecular Basis of Sodium Dodecyl Sulphate (SDS) Bioremediation & Bioreactor Designing	KSCSTE	13,50,000/-
Dr. Jisha M.S	Characterization of endophytic diazotrophic bacteria from rice (<i>Oryza sativa</i>) and assessment of their potential biocontrol of rice sheath blight disease	UGC	13,93,300/-
Dr.Keerthi T R	Production, Purification and Characterization of antagonistic principles of Potential Aquaculture probiotics	UGC	10.78lakhs
Dr.Keerthi.T	Exploration of honey bee gut microbiota for industrial and therapeutic applications	DST-SERB	30,36,400/-
	Screening, biological evaluation & characterization of bioactive molecules' from marine sponges and symbiotic bacteria as potential anticancer drugs	DST	
Dr.Keerthi.T.R, Dr.Sabu Thomas	Health promoting properties of potential probiotic strains isolated from gut microflora'	ICMR	20,00000

Dr Prakash Kumar B	In vitro studies on inhibition of eicosanoid metabolism for control of arthritis by extracts of stem of <i>Tinospora cordifolia</i>	Department of Biotechnology, New Delhi	21.17 lakh
Dr Prakash Kumar B, Dr Aravindakumar C T,	Evaluation of methanolic extracts <i>Elephantopus scaber</i> for inhibitors of 5-lipoxygenase (5-LOX) and cyclooxygenase-2 (COX-2)	Kerala State Council for Science Technology and Environment, Thiruvananthapuram	15.72 lakhs
Dr. Anie Y. Dr. Jayachandran K	Nattokinase- fibrinolytic and antihypertensive enzymes from novel bacterial isolates	KSCSTE	4.73 lakhs
Dr JG Ray Dr N Valsalakumar	Endomycorrhizal Studies in <i>Musa Sp</i> of South India		13.5 Lakhs

School of Chemical Science

Faculty	Title	Funding agency	Amount (Lakhs)
Chemical science	Copper catalysed C-C, C-O and C-S bond formations using N and O containing bidentate ligands	KSCSTE	Rs. 15,85,000 /-
	NR-PP blend nanocomposites	KSCSTE	Rs. 10,00,000 /-
		UGC SAP	74 Lakhs

School of Computer Sciences : NIL

School of Environmental Science

Faculty	Title	Funding agency	Amount (Lakhs)
Environmental Science	<i>Major Collaborative Indo-US Research project titled "An interdisciplinary and Community oriented innovative approach towards Sustainable Development"-</i>	UGC	Rs1.25 Crores

	<i>submitted to UGC by School of Environmental Sciences has been sanctioned</i>		
<u>Dr.C.T. Aravindakumar;</u>	Pulse radiolysis of biomolecules	Indo-French ARCUS Project	
	Radiation Induced Modification of Some Pyrimidine Nucleosides and Nucleotides	DAE-IUC	
	Sonochemical degradation of organic water pollutants	KSCSTE	
C.T. Aravindakumar	Setting up of the National Centre (Sophicated Analytical Instrument Facility)	To DST, New Delhi	Rs. 13.5 crore
Dr.E.V.Ramasamy	<i>Major research project titled Earthworm diversity and its influence on carbon sequestration in Silent Valley National Park submitted to Ministry of Environment and Forest (MoEF), Govt. of India (December 2012).</i>		
Dr. Mahesh Mohan	Arctic Expedition : Mercury Geochemistry in the sediments of Kongsfjorden, Ny-Alesund, Arctic		
	Govt. of Kerala – Student Project : Impact of Climate Change on the Mercury Geochemistry in a Tropical Wetland Ecosystem	DoECC	
	Fast Track Project : Mercury geochemistry in agricultural	DST-SERB	Rs 25.5lakhs

	wetland ecosystem		
	Project: Accumulation of mercury and cadmium in benthic food web of Cochin estuary- a stable isotope approach	KSCSTE	Rs. 10.85 lakhs
	Major Project: Mercury pollution in the sediments of Vembanad Wetland: a chronological approach	UGC	(Rs. 2.85 lakh)
Dr. Mahesh Mohan	Firework disasters – impact on the environment and formulation of preparedness and mitigation plans submitted to CSIR	CSIR	NEW PROJECT
	<i>Evolution of Karamana River Basin and its Implications on Hydrogeology: A Geomatics approach using Morphometric Analysis submitted to KSCSTE back to lab program</i>	KSCSTE	NEW PROJECT
	Atmospheric chemistry of mercury in a tropical humid climate submitted to MoES		NEW PROJECT
Dr. Sylas V.P	An investigation on the potential microalgal species for the production of biodiesel from Kuttanad wetland ecosystem, Kerala. (Major Research Project) (2012 –	UGC	8.5 Lakhs

	2015)		
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School of Gandhian Thought and Development Studies : NIL

School of Indian Legal Thought : NIL

School of International Relation & Politics

Faculty	Title	Funding agency	Amount (Lakhs)
K.M. Seethi	Health, Environment and Human Security: Impact of Pesticide Use in Kerala	UGC	
	Statelessness, Citizenship and Human Security: A Study on the Repatriated Tamils in Kerala	ICSSR	
Raju K. Thadikkaran	Global Intellectual Property Rights Regime and India: Challenges and Opportunities in the Protection of Intellectual Property Related to Biodiversity and Traditional Knowledge	UGC	
	Internationalisation of the Realm of Higher Education: A study on the Experience of University Teaching and Research Departments, Professional colleges and Research Institutions in Kerala	Kerala State Higher Education Council (KSHEC)	
C.Vinodan	Energy Security for the Emerging India: A study on the problems and Prospects of expanding the nuclear option	UGC	

Department of Life Long Learning and Extension

Dr. K Sabukuttan

The Department has taken initiative in propagating organic farming in Kerala. The Department has already started certificate and diploma courses in organic farming on weekends. The faculty and the selected alumine of the organic farming courses collaborate with the department in propagating organic farming in 100 colleges affiliated to the Mahatma Gandhi University. We give guidance and motivation to the students interested in organic farming. The Department monitors and encourages the farming activities going on in the college campuses with the help of state holders and Alumine.

School of Management and Business Studies : NIL

School of Pedagogical Sciences

Faculty	Title	Funding agency	Amount (Lakhs)
Dr. Sajna Jaleel	Teaching Mathematical Thinking through e-contents in Mathematics among secondary School Students	UGC	Rs. 2, 56, 500

School of Physical Education & Sports Science : NIL

School of Printing & Publishing : NIL

School of Pure and applied physics : NIL

School of Social Science

Faculty	Title	Funding agency	Amount (Lakhs)
Dr. Rajesh Komath	Self-Help Groups in Kerala: A Study in Economic Sociology	UGC	
Dr. Rajesh Komath	Unfavorable Inclusion of Dalits in Higher Education: A Study on the Linkages of Colonies, Schools and Colleges in Kerala	Kerala State Higher Education Council, Government of Kerala.	
Dr. Rajesh Komath	Theyyam Kettu of Kerala: The Economy and Labour of Performance	Indian Council of Social Science Research (Ministry of Human Resource Development),	

		New Delhi.	
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School of Tourism Studies NIL

International and inter University Centre for Nano Science and Nano Technology (IUCNN)

Faculty	Title	Funding agency	Amount (Lakhs)
Principal investigator: Prof. Sabu Thomas	Nanofillers in Polymeric Systems	General Cables, USA	Rs. 16,50,000/-
	Development of high performance butyl rubber and chloro-butyl rubber nanocomposites for barrier application	DST, New Delhi	Rs. 37, 65,000/-
	Nano structured self assembled polymer blend systems from epoxy resin/block copolymer systems for super toughness	DST, New Delhi	Rs. 95, 42,000/-
	Nano materials: Synthesis and characterization and applications	: DST, New Delhi	Rs. 67, 45,000/-
	: Design and development of butyl and chlorobutyl nanocomposite membranes for barrier applications	UGC-DAE Council of Scientific Research-Kolkata Centre	Rs. 35,00,000/-
	Carbon nanotube filled natural rubber nanocomposites	UGC-DAE Council of Scientific Research-Kalpakkam Centre	Rs. 4,00,000/-

	Design and development of butyl and chlorobutyl nanocomposite membranes for barrier applications	UGC-DAE Council of Scientific Research-Kolkata Centre	Rs. 35,00,000/-
	Development of nanocomposites for aerospace, defence and automotive applications	CSTE	Rs. 30,00,000/-
Principal investigator: Prof. Sabu Thomas	Development of high performance nanocomposites for tyre engineering	DST, New Delhi	Rs. 69, 60,000/-
	Project Title: Development of Supertough Thermosets from Self Assembled Nanostructured Block Copolymer/Epoxy resin Blends	DRDO New Delhi	Rs. 30,01,500
	High performance polymer blends from epoxy resin and poly trimethylene terephthalate for aerospace application	Aeronautics R & D Board, New Delhi	Rs. 25, 03,800/-,
	Nano materials: Synthesis and characterization and applications	DST, New Delhi	Rs. 67, 45,000/-
	Design and development of hydrogenated nitrile rubber nanocomposite membranes for zero gas transport applications	ISRO	Rs. 10,00,000/-

	Development of Multi Walled Carbon Nanotube Filled Polycarbonate/ Polypropylene Double Percolating Conductive Polymer Blend Nanocomposites for Electromagnetic Interference Shielding Gaskets for Mobile Phones	DIT-New Delhi	
Principal investigator: Prof. Sabu Thomas Principal Co-Investigator: - Dr. Nandakumar Kalarikkal	Development of engineered nano-structured materials for high performance applications	DST, New Delhi	Rs. 3,66,99,600 /-

Advanced Centre of Environmental Studies & Sustainable Development (ACESSD) : NIL
 Inter University Centre for Disability Studies (IUCDS) : NIL
 Inter University Centre for Social Science Research and Research and Extension (IUCSSRE)
 Dr. Sanal Mohan

Institute For Intensive Research in Basic Sciences (IIRBS)

Faculty	Title	Funding agency	Amount (Lakhs)
Prof.(Dr.)I. Ibnu Saud	DST Inter University NMR Facility (IRPHA Scheme) Project No.: IR/S1/CU/01/2007(ongoing)	DST, Govt. of India	1.55 Crores
Prof.(Dr.)I. Ibnu Saud	Ex-chiral pool synthesis towards few molecules of Anticancer & Anti-tuberculosis Likeness Project No. 02(0101)/12/EMR-II dated 31.10.2012	CSIR	30 lakhs
Prof.(Dr.)I. Ibnu Saud	"Synthesis of few Medicinally	DST, Govt. of India	55 lakhs

	Important Chiral Molecules Derived from Renewable Resources”Project No.SR/S1/OC-98/2012 dated 07.03.2013		
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K.N. RAJ STUDY CENTRE FOR PLANNING AND CENTRE STATE FINANCIAL RELATIONS

Faculty	Title	Funding agency	Amount (Lakhs)
Prof. K.M. Seethi	“Statelessness, Human Security and Citizenship.”	ICSSR	

3.3 Minor Projects

School of Behavioural Science : NIL

School of Bio-Science

Faculty	Title	Funding agency	Amount (Lakhs)
Dr. Anie Y (PI) Mrs. Resmi S (Co-PI)	Chemotactic response of human Phagocytic cells (Polymorphonuclear leukocytes and monocytes) in tuberculosis patients	UGC	1.84
Dr.Jayachandran	Demonstration and Extension of Vermicomposting technique for the Solid Waste Treatment to Athirumpuzha Gramapanchayath, Kottayam District	BIRD Project	

School of Chemical Sciences NIL

School of Computer Sciences : NIL

School of Environmental Sciences

Faculty	Title	Funding agency	Amount (Lakhs)
Dr. Mahesh Mohan	Impact of Climate Change on the Mercury Geochemistry in a Tropical Wetland Ecosystem	DoECC, Govt. of Kerala – Student Project	Rs. 60,000/-
Dr.E.V.Ramasamy	Carbon sequestration potential of selected Earthworm species' submitted to Department of Environment and Climate Change	DoECC, Govt. of Kerala	Rs. 60,000/-
Dr.E.V.Ramasamy	Estimation of Greenhouse Gas Emission from Wetlands and Paddy fields' submitted to Department of Environment and Climate Change	DoECC, Govt. of Kerala	Rs. 60,000/-
Dr.E.V.Ramasamy	Greenhouse Gas Emission from septic tanks : a preliminary assessment' submitted to Department of Environment and Climate Change	DoECC, Govt. of Kerala	Rs. 60,000/-

School of Gandhian Thought and Development Studies : NIL

School of Indian Legal Thought : NIL

School of International Relation & Politics : NIL

School of Letters : NIL

Department of Life Long Learning and Extension NIL

School of Management and Business Studies : NIL

School of Pedagogical Sciences

Faculty	Title	Funding agency	Amount (Lakhs)
Dr. A. Sudharma	Programme design and implementation of an idyllic classroom culture of thinking through designated mechanisms to engage teacher educators at Secondary level in peace building activities	UGC	

School of Pure and applied physics NIL

School of Social Science NIL

School of Tourism Studies NIL

International and inter University Centre for Nano Science and Nano Technology (IUCNN) : NIL

Inter University Centre for Disability Studies (IUCDS) : NIL

Inter University Centre for Social Science Research and Research and Extension (IUCSSRE) : NIL

Institute For Intensive Research in Basic Sciences (IIRBS) : NIL

DEPARTMENT OF PHARMACEUTICAL SCIENCES , THALAPPADY

Faculty	Title	Funding agency	Amount (Lakhs)
PI : Arun Raj R	Enhancement of solubility of verapamil using different solid dispersion technique	KSCSTE	Rs.10,00/ -
PI : Neema George	Formulation and Evaluation of Phytosomal complex tablets	KSCSTE	Rs.10,000 /-

a. Details of Research Publications

SCHOOL OF BEHAVIOURAL SCIENCE

A. Peer Review Journals Nil

Nisha T.S., and P.S.Sukumaran

- Health Care Service Utility Behaviour of Mothers. Nepal Journal of Epidemiology. 4(2).

Dr. Mary P.V (Sr. Glory) & P.S Sukumaran

- Effect of literary Rich Approach in the Generalization and maintenance of vocabulary skills in CWID. Journal of Disability Management and Spl. Education, 5,1, 34-41.

Simili P. Chacko and P.S.Sukumaran

- Emotional maturity and marital adjustment of persons with Hearing Impairment – Global Educational society and development Vol.No.5(2) July- Sept 2013.

- Knowledge and attitude of adolescent girls with Hearing impairment towards sexual education. Academic views and reviews Vol.3(3) October – December 2013.
- Enhancing neuropsychological aspects and adapt behavior through CSL therapy among students with hearing impairment. Conflux journal of Education Vol.No.1 issue 7 December 2013

Dr. Rajeev Kumar N

- Published a chapter on Emotional Problems of children in juvenile homes in the Edited Book stress and well being of Adolescents.
- Published an article titled as “A Mantra for Dyslexia; phonological Deficit, Naming speed at Double Deficit” in the magazine Silverit -2013 published in connection with observance of 25 years of School of Behavioural Sciences, Mahatma Gandhi University, Kottayam.

Dr. P.T Baburaj

Academic views of Reviews, An international journal of Education, Research & Innovation- Vol.No.3 October-November 2013” Knowledge and attitude of Adolescent Girls with Hearing impairment towards sex education” by Daisy Philip &Dr. P.T Baburaj, New Delhi.

Emotional maturity and marital Adjustment of persons with hearing impairment by Chothisha K.S and P.T Baburaj: Global education society and development, “An International Journal of Academicians, Vol.No.5, July-Septemeber,2013, New Delhi.

Post head injury “Neuro behavioural sequelae among head injury patients with or without alcoholism” Sunil Kumar B.S and Baburaj P.T, ICRMSW 2013, Nepal Journal of Epidemiology.

Attended and presented papers on UGC sponsored National Seminar on “Learning disability” No child left behind. On 27-28 June 2013.

Dr. K.M Mustaffa and SubeeshGopi

A study on the efficacy of remedial reaching module for students with specific writing difficulties.

Conflex journal of education, volume I, issue 5 October 2013 (a peer review influential journal) : Nas Publishers p.2320-9305,e2347-5706

Dr. K.,M.Mustaffa

Development of screening test for the identification of students with mathematical difficulties.

Innovative thoughts International research Journal October 2013. Nas publishers 2321-5453

A study of mechanical aptitude among students with learning disabilities and without learning disabilities., Conflex journal of education, volume I, issue 8 January 2014 (a peer review influential journal) Nas publishers p2320-9305,e 2347-5706

Dr. K M Mustaffa, Ambika E.T

Conflex journal of education, volume I, issue 5 October 2013 (a peer review influential journal)

Nas publishers p2320-9305,e 2347-5706

Sri. Rajesh E

Sathian B, Fazil A, Sreedharan J, Pant S, Kakria A, Sharan K, **Rajesh E**, Vishrutha KV, Shetty SB, Shahnavaz S, Rao JH, Marakala V. Statistical modelling and forecasting of cervix cancer cases in radiation oncology treatment: a hospital based study from Western Nepal. Asian Pac J Cancer Prev. 2013; 14(3):2097-100. [Impact Factor 1.2]

B. Non-Peer Review Journals – Nil

C. E-Journals– Nil

D. Conference Proceedings

Dr. Razeena Padmam

“Women and Mental Health” proceedings International Conference on Mental Health, March 8 to March 10, 2013

P.S.Sukumaran

Research in Special Education: Problems and Prospects. Proceedings of National seminar on Mental retardation-Empowering Professionals for Better

Services. Organized by Nirmalasadana training College for Special Education, Muvattupuzha. Pp. 49-55.

Ambady K.G., and P.S Sukumaran

Awareness of Tribals of Attappady on Mental retardation. Proceedings of National seminar on Mental retardation-Empowering Professionals for Better Services. Organized by Nirmalasadana training College for Special Education, Muvattupuzha. Pp. 89-95.

Attitude of Tribals of Attappady towards Mental Retardation. Proceedings and Report of Two day National Seminar on Multidisciplinary approach to Childhood Disability Management. Organized by Centre for Disability Studies. Pp. 164-175

Simili P. Chacko and P.S. Sukumaran

Attitude of parents of Persons with Mental Retardation towards Community Based Rehabilitation. Proceedings of National seminar on Mental retardation-Empowering Professionals for Better Services. Organized by Nirmalasadana training College for Special Education, Muvattupuzha. Pp. 145-150.

Attitude of Tribals of Attappadi towards mental Retardation. International Seminar on Childhood Disabilities, LBS Centre for Disability Studies, Trivandrum 3.12.2013.

Attitude of Parents of Persons with Mental Retardation towards Community Based Rehabilitation Programme Conflux Journal of Education 2,10, 8-15.

Awareness of Anganwadi workers on the characteristic of childhood disabilities – Published in the proceedings of the two day national seminar on “Multidisciplinary approach to childhood disabilities. 3-4 December 2013 organized by CDS, Thiruvananthapuram

Attitude of tribals of Attappady towards mental retardation. Published in the proceedings of the two day national seminar on “Multidisciplinary approach to

childhood disabilities. 3-4 December 2013 organized by CDS, Thiruvananthapuram

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JayaniA, and P.S. Sukumaran

Awareness of Teachers of children with Mental Retardation on Reinforcement Strategies. Proceeding of the two day National Seminar on Paradigms of Educational Research for the 21st Century. Equipping Gen Next with Reflective Approaches,” December 2014. Avila College of Education, Cochin, PP 16- 22.

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SCHOOL OF BIO-SCIENCE

a. Peer Review Journals

M S Latha

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Name of the Journal: 3 Biotech, Title of the Paper: Extracellular synthesis of silver nanoparticles by a *Bacillus* sp. isolated from industrialized area, Pages: 2014, 4:121–126.

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Name of the Journal: Phytomedicine, Title of the Paper: Piperine production by endophytic fungus *Colletotrichum gloeosporioides* isolated from *Piper nigrum*, Pages: 2014, 21(4): 534-40. Impact Factor: 2.877

Name of the Journal: Brazilian Journal of Microbiology Title of the Paper: Antibacterial properties of silver nanoparticles synthesized by marine *Ochrobactrum* sp., Pages: Accepted in 2014. Impact Factor: 0.76

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Metabolic profile of sodium dodecyl sulphate (SDS) biodegradation by *Pseudomonas aeruginosa* (MTCC 10311). Accepted for publication in *Journal of Environmental Biology*. Impact factor 0.68

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Keerthi.T.R

Name of the Journal: Nepal Journal of Epidermology, Title of the Paper: Characterisation of the antibacterial compound produced by the potential probiotic Lactic Acid Bacteria- Enterococcus faecium MBTU-PIFI isolated from infant feces against typhoid fever pathogens, Pages: 2014 ;4(2)

Y. Anie

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Ray JG

Globally Unique Kuttanadu Wetland Paddy Soil of South India: Soil Fertility in Relation to Seasons and Different Stages of the Crop, International Journal of Agriculture, Photon, 125, 296-314

Name of the Journal: International Journal of Agriculture, Photon, Title of the Paper: Globally Unique Kuttanadu Wetland Paddy Soil of South India: Soil Fertility in Relation to Seasons and Different Stages of the Crop, ,Pages: Vol. 125; 296-314

Dr.Prakashkumar.B

Sunitha M Chacko, Kottayath G Nevin, R Dhanyakrishnan, B Prakash Kumar. Protective effect of p-Coumaric acid against doxorubicin induced toxicity in H9c2 cardiomyoblast cell lines. Toxicology Reports 2 9 (2015) 1213-1221.

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Jenny Jacob, Prakash Kumar B. Dual COX/LOX inhibition: screening and evaluation of effect of medicinal plants of Kerala as Anti-inflammatory agents Journal of Pharmacognosy and Phytochemistry 2015; 3(6): 62-66

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E. Non-Peer Review Journals – Nil

F. E-Journals– Nil

G. Conference Proceedings – Nil

SCHOOL OF CHEMICAL SCIENCES

A. Peer Review Journals

Prof(Dr. Sabu Thomas)

1. Cross Linked Polyethylene/TiO₂ Nanocomposites: Morphology, Polymer/Filler Interaction, Mechanics and Thermal Properties JP Jose, V Mhetar, S Culligan, S Thomas *Science of Advanced Materials* ,(2013) ,5 (4), 385-397
2. Characteristics of banana fibers and banana fiber reinforced phenol formaldehyde composites-macroscale to nanoscale IK Neelamana, S Thomas, J Parameswaranpillai. *Journal of Applied Polymer Science*,(2013),130, 1239–1246
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5. Preparation and properties of TiO₂-filled poly (acrylonitrile-butadiene-styrene)/epoxy hybrid composites P Jyotishkumar, J Pionteck, P Moldenaers, S Thomas *Journal of Applied Polymer Science*, (2013) 127 (4) 3159–3168

6. Preparation and properties of MWCNTs/poly (acrylonitrile-styrene-butadiene)/epoxy hybrid composites P Jyotishkumar, E Abraham, SM George, E Elias, J Pionteck, P Moldenaers, S Thomas. Journal of Applied Polymer Science, (2013) 127 (4) 3093–3103
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8. Simple technique for the simultaneous determination of solvent diffusion coefficient in polymer by quantum Resistive Sensors and FT-IR spectroscopy S. K. Kumar, M. Castro, I. Pillin, J. F. Feller, S. Thomas, Y. Grohens Polymers for Advanced Technologies, (2013) 24(5), 487-494
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11. Effect of organically modified nanoclay on the miscibility, rheology, morphology and properties of epoxy/carboxyl-terminated (butadiene-co-acrylonitrile) blend P. Poornima Vijayan, Debora Puglia, Jose M. Kenny, Sabu Thomas Soft Matter (2013) 9 2899-2911
12. Synthesis and Characterisation of Gelatin/Zeolite Porous Scaffold N Ninan, Y Grohens, A Elain, N Kalarickal, S Thomas European Polymer Journal, (2013) 49(9), 2433-2445
13. Reaction induced phase separation and thermo-mechanical properties in epoxidised styrene-block-butadiene-block-styrene triblock copolymer modified epoxy-DDM system George, S., Puglia, D., Kenny, J. M., Parameswaranpillai, J., & Thomas, S, Industrial & Engineering Chemistry Research. (2013) 52.26: 9121-9129
14. Antibacterial and wound healing analysis of gelatin/zeolite scaffolds N Ninan, M Muthiah, NA Bt Yahaya, IK Park, A Elain, TW Wong, S Thomas, Y Grohens, Colloids and Surfaces B: Biointerfaces. (2014)115, 244-252

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45. Nucleation and nonisothermal crystallization kinetics in cross-linked polyethylene/zinc oxide nanocomposites. Jose, Josmin P., Laurent Chazeau, Jean-Yves Cavallé, K. T. Varughese, and Sabu Thomas. *RSC Advances* 4, (2014) no. 60 31643-31651.
46. Thin, flexible and thermally stable ceramic membranes as separator for lithium-ion batteries. Raja, M., N. Angulakshmi, S. Thomas, T. Prem Kumar, and A. Manuel Stephan. , *Journal of Membrane Science* (2014).
47. Carbon Nanotubes based Elastomer Composites-An Approach towards Multifunctional Materials. Ponnamma, Deepalekshmi, Kishor Kumar Sadasivuni, Yves Grohens, Qipeng Guo, and Sabu Thomas., *Journal of Materials Chemistry C* (2014).
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51. Electrospun poly (ϵ -caprolactone)-based skin substitutes: In vivo evaluation of wound healing and the mechanism of cell proliferation, R Augustine, EA Dominic, I Reju, B Kaimal, N Kalarikkal, S Thomas, *Journal of Biomedical Materials Research Part B: Applied Biomaterials*

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53. Poly (ester amides)(PEAs)–Scaffold for tissue engineering applications,K Ghosal, MS Latha, S Thomas,European Polymer Journal 60, 58-68
54. Mechanical and thermal properties of epoxy/silicon carbide nanofiber composites,P Vijayan, D Puglia, A Dąbrowska, A Huczko, JM Kenny, S Thomas,Polymers for Advanced Technologies
55. Polychloroprene Rubber/Reduced Graphene Oxide (RGO) Nanomembranes for Pervaporation Separation of Azeotropic Mixtures,SC George, T Jose, S ThomasJournal of Membrane and Separation Technology 3 (4), 178-184
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Dr. Suresh Mathew

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B. Non-Peer Review Journals – Nil

C. E-Journals– Nil

D. Conference Proceedings – Nil

SCHOOL OF COMPUTER SCIENCES

A. Peer Review Journals-Nil

B. Non-Peer Review Journals – Nil

C. E-Journals– Nil

D. Conference Proceedings

International

Bindu V R

- i. Bindu V R and K N Ramachandran Nair, “A Fast Narrow Band Level Set Formulation for Shape Extraction”, *Proceedings of IEEE International Conference*

SCHOOL OF ENVIRONMENTAL SCIENCES

A. Peer Review Journals

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Dr.E.V.Ramasamy

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 24. Sreekanth R., Sunil Paul M. M., Aravind U. K., Aravindakumar C. T.; *Hydroxyl Radical Mediated Oxidation of 1- and 2-Naphthols: A Mass Spectrometric Study, Proceedings of theInternational Conference on Frontiers of Mass Spectrometry (ICMS 2013)(September 6-9, 2013), Kottayam*
 25. Sreekanth R., Sunil Paul M. M., Aravind U. K., Aravindakumar C. T.; *Oxidative Transformation of Carbaryl: A Product Analysis Study Using High Resolution Mass Spectrometry, Proceedings of theInternational Conference on Frontiers of Mass Spectrometry (ICMS 2013)(September 6-9, 2013), Kottayam*
 26. Sreekanth R., Sunil Paul M. M., Aravind U. K., Marignier J. L., Belloni J., Aravindakumar, C. T.; *Identification of the Transformation Products of*

HydroxyNaphthoquinones: A Mass Spectrometric Study, Proceedings of the International Conference on Frontiers of Mass Spectrometry (ICMS 2013)(September 6-9, 2013), Kottayam

Dr. Mahesh Mohan

1. C M S Shylesh, **M Mahesh** and E V Ramasamy.(2013). Distribution of mercury in core sediments of a tropical estuary- west coast of India. National Conference on heavy metals in the environment (HME 2013), Kottayam, Kerala
2. Sijimol MR and Mahesh Mohan. 2014. Fireworks and perchlorate contamination. National Seminar on Conservation of Energy, water and Environment, St. Stephens College, Uzhavoor, Kerala
3. Navya Cherian, Kannan VM, Thafna KK, **Mahesh Mahesh** (2013). Distribution of total mercury in the soils of Kuttanad agricultural wetland. National Conference on heavy metals in the environment (HME 2013), Kottayam, Kerala

Dr. Syllas V.P.

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2. **Syllas V.P.**, John C.M., Shylesh Chandran M.S., Jayasooryan K.K. and Unni K.S. (2013). Accumulation of selected heavy metals in different aquatic macrophytes of Kuttanad wetland ecosystem, Kerala. In Proceedings of National Conference on Heavy Metals in the Environment. Kottayam, Kerala.
3. Raisa Kabeer, Rinoy Varghese, Kannan V.M., John Richard Thomas and Syllas V.P. (2013). Rhizosphere bacterial diversity and heavy metal accumulation in *Nymphaea pubescens* in aid of phytoremediation potential. In Proceedings of National Conference on Heavy Metals in the Environment. Kottayam, Kerala.
4. **Vishnupriya Ashokan, Daniya M. Thomas, Praveen P.Raj and V.P. Syllas (2013)**. Experimental studies on the production of bioethanol from water hyacinth: Effect of acid and alkali treatments. In Proceedings of National Conference on Natural Resource Management – A key to Sustainability. Organized by Assumption College, Changanassery, Kottayam. pp 103 -108.
5. Raisa Kabeer, Rinoy Varghese, Jayasuryan K.K, Joshy K George, Syllas V.P. 2013. Removal of copper by *Eichhornia crassipes* and the characterization of associated micro flora of the

rhizosphere system. National seminar on Molecular Evolution and Phylogeny, Mar Athanasius College, Kothamangalam, Kerala.

SCHOOL OF GANDHIAN THOUGHT AND DEVELOPMENT STUDIES

A. Peer Review Journals

Manjusha K A

1. "Lights and Shadows of Tribal Development in Kerala: A Study on the Muthuvans of Edamalakkudy Tribal Settlement in Idukki District" in the Dawn Journal, **ISSN NO.2277-1786**, Vol.2, No.1, Jan-June 2013. p.274-283. **(Global Impact Factor 2012- 0.408, INDEX COPERNICUS VALUE 2013: 6.33)**
2. "Colonial Model of Modern Exploitation: A Study on the sacrifice of of Life , Land and Liberty of the Tribes of Kerala" in the International Journal of Social Sciences and Interdisciplinary Research, **ISSN No. 2277 677X**, Vol.2, No.3, July-September 2013.p. 1 to 11. **(SCIENTIFIC JOURNAL IMPACT FACTOR -3.503).**
3. "Early Naxalite Movement in Kerala (1968-1976): A Study on the Issues, Challenges and Alternate Approaches" in the Zenith International Journal of Multidisciplinary Research, **ISSN No.2231-5780, ICV- 4.82**, Vol.4, No.3 March 2014, Page No. 92-98.**(Scientific Journal Impact Factor- 3.567)**

M S John with Maria T Cheeran

1. "Single digit attrition rates in information technology industry in Kerala - Strength or weakness? - A narrative enquiry", *Indian Journal of Public Administration* , 59(2) Apr-Jun 2013, pp. 348-362

Nirmala Devi

1. "Gandhi and Environment", Excel International Journal of Multi-Disciplinary Management Studies, Vol 3, No. 4, 2013, pp. 268-273

Sandhya R S

1. "Deprivation and Disempowerment—A matter of Conscience and Concern", *Indian Journal of Gerontology* Vol. 27, No. 2, 2013, pp. 297–306.
2. "Orphaned Owners: The Real State of Elderly Widows in Kerala", *ZENITH International Journal of Multidisciplinary Research* (online),Vol.3 (4), April (2013), 235-241.

- B. Non-Peer Review Journals – Nil
- C. E-Journals– Nil
- D. Conference Proceedings–Nil

SCHOOL OF INDIAN LEGAL THOUGHT

A. Peer Review Journals

Dr. George Joseph, Assistant Professor, School of Indian Legal Thought:

1. Published an article titled **Protection of Human Rights and Human Rights Values in Indian Laws** (Journal of Indian Legal Thought Vol.9 P.41-66)

M C Pramodan, N S Soman and, K N Chandrasekharan Pillai

1. “Higher Education in Law: Adapting to the New Century”, in Jacob Chacko, *Higher Education in India: New Perspectives*, Manak Publications, New Delhi (2013)

Vargheese v

1. *State of Kerala: Thinking of Alternatives to Strict Liability*, 1 *Regal Law Journal* 101-189 (2013)
2. “Internet and Telemedicine”, 4 *Social Science Reporter* 42-49 (2014)
3. “Privacy and Confidentiality in Telemedicine”, 7 *Acharya Nagarjuna University Journal of Law* 107-127 (2014).

Dr. Sheeba Pillai (Asst. Professor, SILT)

1. Published a paper titled ‘Coastal regulation Zone and Need for Sustainable Development’ in the law Mantra Journal, Vol 1, Issue 8 (May 2014) ISSN 2321-6417
2. Published a paper titled ‘Free and Compulsory education for the Girl child between the age of 6 to 14 years-An unfulfilled dream’ in the International Journal of Legal and jurisprudence Studies, Vol 1, Issue 2, May 2014 (ISSN 2348-8212)

Dr. Rajeesh A P (Asst. Professor, SILT)

1. Published an Article in the International Journal of Research and Analysis Volume 2 Issue 4, 2014 (ISSN 2347 – 3185) under the title **Contempt of Court Position of Bar and Bench.**

2. Published an Article in the International Journal of Law and Legal Jurisprudence Studies Volume 1 Issue 3, 2014 (ISSN 2348 – 8212) under the title **Press Freedom and Contempt of Court Laws**.

Dr. Gigi P V(Asst. Professor, SILT)

1. Published an article 'The Right to Education and the Poor' in Journal of C.M.S College, Kottayam vol.7, 2013.

- B. Non-Peer Review Journals – Nil**
- C. E-Journals– Nil.**
- D. Conference Proceedings-Nil**

SCHOOL OF INTERNATIONAL RELATIONS AND POLITICS

- A. Peer Review Journals**
- B. Non-Peer Review Journals – Nil**
- C. E-Journals– Nil.**
- D. Conference Proceedings-Nil**

SCHOOL OF LETTERS

- A. Peer Review Journals**

Dr. K M Krishnan

1. Translation of "Fine Arts: Western and Eastern" by Kesari Balakrishna Pillai
Haritham 2013

Dr. P P Raveendran

- a. "Lust for Life – and for Death," *Indian Literature* 279
(Jan-Feb 2014): 180-183.
- b. "D Vinayachandran: Tribute," *Indian Literature* 273
(Jan-Feb 2013): 33-40

Dr. Jose K Manuel

Title : Punaraavishkara cinema : paadavum padanavum
Journal : Malabar Research Manual
Issue : Vol-1, No.1 April 2013
Pub by : Dept of Malayalam, Malabar Christian College, Calicut

Title : Nava maadhyama vyvaaharangaal: pothusamoohavum pothumandalavum
Journal : Research Scholar
Issue : Vol-III, No.1 September 2013
Pub by : Scholars Association of Kerala

Title : Revolution in Cinema: New Generation Cinema in Malayalam (English)

Journal : Research Scholar

Issue : Vol III, No.IV-A, December 2013

Pub by : Scholars Association of Kerala

Title : Muttathuvarkkiyum Malayala Cinemayum

Journal : Saahithya lokam – Kerala Sashitya Academy

Issue : 2013 December

Title : Idavapathiyude Aalasyavum Sreshta malayalathinte aakhoshavum

Journal : Saahithya Chakravaalam – Kerala Sashitya Academy

Issue : December 2013

Title : Kanyakayum Veshyavum : New Generation Kaazhcha

Journal : Akam

Issue : May 2013

Pub by : Kerala Books

B. Non-Peer Review Journals – Nil

Dr. P P Raveendran

1. “Reading Vinayachandran’s Poetry,” *Mathrubhumi Weekly* (28 October 2013): 60-65.
2. “History as Food for Poetry,” *Madhyamam Weekly* 16 (21 October 2013): 52-58.

C. E-Journals– Nil.

D. Conference Proceedings-Nil

SCHOOL OF MANAGEMENT & BUSINESS STUDIES

A. Peer Review Journals

Sulaiman.E

a) “Women Empowerment through Micro-Enterprises: An Empirical Analysis of *Kudumbashree* Units in Kerala”, *Journal of Rural and Industrial Development*, 2(1), April, 2014, ISSN: 2321-1873, pp 1-7.

b) “Loan Portfolio of Self-Help Groups in Kerala: A Comparison between Self-help Groups Promoted by Local Self-Government and Non-Governmental Organisations”, *Asian Academic Research Journal of Social Sciences and Humanities*,

2014, 1(21), 2014, Online ISSN: 2278 - 859X, pp 96-107,
<http://www.asianacademicresearch.org/march2014.html>.

- c) "Study on Personality and Its Influence on Purchase: Strategic Study With Reference to Women Consumers in Chennai', **Global Journal of Management & Commerce Perspective**,G.J.C.M.P.,Vol.3(1):XXX,(January-March 2014), ISN 2319-7285
- d) 'A study on Cosumer Behaviour of Online Shoppers in Kerala' Unleashing Management Potential, **Published by Prakash publications**, Changanacherry; ISBN:978-93-81888-58-2, March 2014
- e) 'Social Marketing and its impact on behavioral change: An Indian Perspective', National Seminar CHANGE 14: "Social Marketing: Role of Academics, Government, Public Sector and NGO", School of Business Management and Legal Studies, University of Kerala, March 14-15, 2014. Published in **MANGEMENT INNOVATOR, ISSN 0974-6749**
- f) 'The Effectiveness of critical Pedagogy combined with Social Constructivist approach in Enhancing Social and emotional Skills of Secondary School Students in Kerala', HR Summit 2014, IIM Kozhikode-Kochi Campus, March 14-16, 2014. Published **by Bloomsbury Publishing India** Pvt Ltd. ISBN: 978-93-84052-22-5
- g) 'Micro Finance in India-An Overview', UGC Sponsored National Seminar, 30 & 31st October 2014, K.E. College, Mannanam, Published by **PRATIBHA Publishers, Changanacherry, ISBN: 978-81-907782-99**

Dr. Johney Johnson

1. **Radhika.P.C & Johney Johnson (2014)** "Measuring Domestic Tourist Satisfaction with multiple destinations attributes of Kerala", Journal of Exclusive Management Science, Nov 2014,pp 37-47
2. **"Sonia Katherin Mathew and Johney Johnson(2014)**, *An Empirical Study to Predict the Self-Employment Intention of Engineering Students Using EAO Model in Kerala" Commerce Spectrum-A Half-Yearly Journal published by Post Graduate*

and Research Department of Commerce, St. Peter's College, Kolenchery, Ernakulam, Kerala.Vol.2, No.3, June 2014, ISSN 2321-371X.

3. **Tijo Thomas and Johney Johnson (2014)** "Celebrity Endorsement in Social Advertising: An Overview" *Management Innovator* Vol.7 No.1 January 2014, ISSN NO: 0974-6749
4. **Radhika.P.C & Johney Johnson(2014),**" An initiative for adopting sustainable Business strategies in Tourism industry-Lessons from Kerala Tourism", Books of Abstract,Second PAN-IIM World Management Conference, IIMK, Nov 05-08.

Sajimon Abraham

5. **Sajimon Abraham, Sabu Augustin,** Paper Titled "Optimization techniques in RFID data management in Supply Chain" published in "International Journal of Computer Applications", Jan 2014.

Dr. Santhosh P Thampi

6. **Santhosh P Thampi** ,Effects of Job related factors as motivators on Performance and Satisfaction of employees in Information Technology Firms, *International Interdisciplinary Journal of Scientific Research*, ISSN: 2200-9833, Vol. 1 No. 1, Page 124 -135, September, 2014.
7. **Santhosh. P. Thampi, Meera M S,** Effects Of Organizational Factors As Motivators On Performance And Morale Of Employees In Information Technology (IT) Firms, Second PAN – IIM World Management Conference, November 05- 08, 2014
8. **Santhosh. P. Thampi, John K Babu,** Buyers' Expectations about Features & Support Services of Dwelling Units, Social Environment and Neighborhood Facilities in the Purchase of Villas and Apartments in Kerala, Second PAN – IIM World Management Conference, November 05- 08, 2014, P.P 180.
9. **Meera M S, Santhosh P Thampi,** Effects of Job related factors as motivators on Performance and Satisfaction of employees in Information Technology Firms, *International Interdisciplinary Journal of Scientific Research*, ISSN: 2200-9833, Vol. 1 No. 1, Page 124 -135, September, 2014.

Non-Peer Review Journals – Nil

E-Journals– Nil.

F.Conference Proceedings

Dr. Johney Johnson

1. **Radhika.P.C & Johney Johnson(2014)**, "Implications Of Foreign Direct Investment in Tourism Sector: A Study of Kerala State", Conference Proceedings,FDI in India Opportunities and Challenges, Organised by Post Graduate Department of Commerce, St.Peter's College Kolenchery,30-31st Jan 2014,pp-146-152.
2. **Radhika.P.C(2014)**, " Residents perception on tourism development- A study on community support, Gender differences and Participation in tourism industry", Conference proceedings, Unleashing Management Potential, Berchamns National Conference, 9-10 Jan 2014 pp154-159, ISBN : 978-93-81888-58-2
3. **Sonia Katherin Mathew and Johney Johnson(2014)**, "*An Empirical Study to Predict the Self-Employment Intention of Engineering Students Using EAO Model in Kerala, India*" Conference conducted by Australian Academy of Business and Social Sciences (in partnership with The Journal of Developing Areas),(2014)held in Malayasia. ISBN 978-0-9925622-0-5.
4. **Sonia Katherin Mathew and Johney Johnson (2014)**, "*An empirical study on the Entrepreneurial Attitude Orientation of School students in state of Kerala*" conference conducted by Mount Zion College of Engineering.
5. **Sonia Katherin Mathew and Johney Johnson(2014)**, "*An empirical study on the Entrepreneurial Attitude Orientation of Higher Secondary School students in state of Kerala*" Conference conducted by SB college, changanacherry, March 2014, "*Unleashing Management Potential*" ISBN:978-93-81888-58-2
6. **Sonia Katherin Mathew and Johney Johnson(2014)**, "*A study on FDI in higher education sector in India*" conference conducted by St. Peter's College.
7. **Ushus Mathew and Dr. Johney Johnson, (2014)**, "Foreign Direct investment in Indian Healthcare Industry", pp 113-117. (conference conducted by St. Peters college, foreign Direct Investment in India – Oppurtunities and Challenges)ISBN 978-93-5156-043-2
8. **Tijo Thomas and Johney Johnson (2014)** "Impact of Cause Related Marketing in Lottery Business: a Study on Karunya Lottery in Kottayam District " Proceedings of 2014 Annual Conference of Emerging Markets Conference Board , ISBN NO:978-81-928560-0-1
9. **Tijo Thomas and Johney Johnson (2014)** "Impact of Celebrity Credibility on Consumer Intention for Behavioral Change: A Study on Celebrity Endorsed

Social Advertising” e-proceedings of Third International Marketing Conference 2014, IIM Calcutta

10. **Ushus Mathew and Dr. Johney Johnson, (2014)**, “Foreign Direct investment in Indian Healthcare Industry”, pp 113-117. (conference conducted by St. Peters college, foreign Direct Investment in India – Opportunities and Challenges)ISBN 978-93-5156-043-2
11. **C V Lolitha and Johney Johnson (2014)** “Employee Engagement: Emerging Concept for Attrition Management”, Proceedings of 3rd International Conference on Managing Human Resources at the Workplace , ISBN 978-93-83302-01-7
12. **C V Lolitha and Johney Johnson (2014)** “Management Education in India :An Overview”, Proceedings of the UGC Sponsored National Seminar on Management Education in India : Changing Role And New Strategies, Published by Department of Business Administration , MES College, Marampally, Aluva , Dec 2014, pp. 185-196, ISBN 13978-81-923985-7-0
13. **C V Lolitha and Johney Johnson (2014)** “Leading For Learning: A Case Study of ‘Teach For India’”, *Conference proceedings of IIMK HR Summit 2014* , ISBN 978-93-84052-22-5

Sajimon Abraham

14. **Sajimon Abraham, Rajesh A.R**, Paper titled “Big data analysis using in-memory techniques” published in the proceeding of the National Seminar on Computing and Communications held at Sri Bhudha College, Pattoor, March 2014.

Dr. Santhosh P Thampi

1. **John.K. Babu, Santhosh. P. Thampi**, Perception of Risk Factors in the Purchase of Villas and Apartments, National Conference on “ Unleashing Ingenious Management Potential For Business Endurance”, Berchmans Institute of Management Studies , S.B. College, Changanassery, January 09 – 10, 2014
2. **John.K. Babu, Santhosh. P. Thampi**, Expectation of Buyers About the Support Services of Villas and Apartments provided by Builders in Kerala, National Seminar on Moulding Managers for Mankind, School of Management Studies, CUSAT, Cochin, September 18 – 19, 2014

3. **John.K. Babu, Santhosh. P. Thampi**, Perception of Buyers in Kerala About Neighbourhood Facilities and Support Services in the Purchase of Apartments in Kerala, International conference on Trends and Challenges in Indian Business Management, PLACITUM 2014, Sree Narayana Gurukulam College of Engineering & Journal of Exclusive Management Sciences, Kolenchery 7-8 November 2014
4. **Jils Baby Emmanuel, Santhosh. P. Thampi**, Emotional Intelligence and Job performance of managers in Public Sector Enterprises in Kerala, National Seminar on Moulding Managers for Mankind, School of Management Studies, CUSAT, Cochin, 18-19 September 2014.
5. **Krishna Kumary M R, Santhosh. P. Thampi**, Effect of Information Technology on Satisfaction of Customers of Select Housing Finance Providers In Kerala, National Seminar on Moulding Managers for Mankind, School of Management Studies, CUSAT, Cochin, 18-19 September 2014.
6. **Krishna Kumary M R, Santhosh. P. Thampi**, Customer Relationship Management in the Housing Finance Sector, National Conference on Unleashing ingenious management potential for business endurance, Berchman's Institute of Management Studies, Changanacherry, 8th January 2014.
7. **Meera M S, Santhosh. P. Thampi**, Non monetary motivators and employee performance in Information Technology (IT) firms in Kerala, National Seminar on Moulding Managers for Mankind, School of Management Studies, CUSAT, Cochin, 18-19 September 2014.

SCHOOL OF PEDAGOGICAL SCIENCES

A. Peer Review Journals

Dr. Celine Pereira

1. Comparison of Psychosocial Adjustment of Hearing Impaired Students on the basis of gender, domicile and socio-economic status in **Conflux Journal of Education**, Vol. 1, Issue 1, June 2013.
2. Teaching Aptitude of Student Teachers in Primary Teacher Education Institutions in **Journal of Educational Research and Extension** Vol. 56, No. 3, July-Sep. 2013.
3. Difficulties of Entry Learner in Information Technology: An Action Research in Periyar **Journal of psychology** (International Journal) Vol.1, No.2, July 2013. ISSN 2319-9601.

4. Smart Classroom: A Conceptual Framework. In **Eduzine**, 2013-14.
5. Relationship between psychosocial Adjustment and Vocational Aspirations of Hearing Impaired Students at Higher Secondary Level in **Avila Journal of Educational Research**, Vol. II, No. 1, Dec. 2013, ISSN – 232-0707.
6. Construction and Validation of Individualized Audio-Instruction Material for Enhancing Teaching of Physics, **Edutracks**, Vol. 13, No.5, Jan-2014, ISSN – 09729844.
7. Vocational Aspirations of Hearing Impaired in **Journal of Extension and Research**, Vol. XVI Nos. 1 & 2 Jan 2014, ISSN 0972-35 IX.

Dr. Jaya Jaise

Sl.No.	Title with page nos.	Journal	ISSN/ISBN No.
1	Potential of Films in Appreciation of English Literature, pp.62-67	Pedagogics, Vol.10 & 11, No. 1, September 2014	ISSN: 2229-7618
2	Mental Health Status in relation to Cognitive Stress of Teachers in Multi Graded Learning Centres of Kerala, pp. 50-57	CONFLUX – Journal of Education, Vol. 1, issue2, July 2013	ISSN: 2320-9305

Dr. Minikutty A

1. "Influence of Home Environment on Wisdom Development among Higher secondary School Students" in the Journal "Quest for Excellence in Teacher Education: The CTE National Journal" Vol. XI No.1 Jan-June 2013, (ISSN 0973-4457).pp 114-119)
2. "Attainment of Process Skills through Science Learning by Upper Primary School Children: Perception of Teachers" in the Journal "The Ground Builder: An Attempt to Recast Quality Education", Vol.2, No.1, April 2013 (ISSN 2249-9911)
3. "Fostering Environmental Sustainability among Upper primary school students and Teachers through Constructivist Approach" in the journal BRICS Journal of Educational Research, Vol.3, No.3 & 4 July-Dec 2013 (ISSN 2231-5829). Pp 181-185.
4. "A study on Phonemic Awareness of the English Language among Primary School Students" in the Journal Avila Journal of Educational Research, Vol.2, No.1 Dec 2013 (ISSN 2320-0707). pp 7-12

Dr. K.P. Suresh

1. Repositioning reflective Pedagogy for Multicultural Education: Epistemological Axioms & Praxis. A Tool for Professional Development Teachers (pp27-32) Training College, mannam, Kottayam ISBN 978-81-928044-0-8. 2013
2. Globalisation and Education Need for culturally Responsive Teaching (pp1 Almighty Book Company Chennai ISBN No.-8, 2013
3. Accelerating Multicultural Education Beyond Digital Learning: Re-positioning Responsive Teaching – Zainab Memorial Training College, Kasargod ISBN No. 987-93-5126-202-2, 2013
4. Global Education Methodologies and Strategies Gems. 2013.

Dr. A Sudharma

Landscape of Thinking Maps Design With An Accent on Reflective Learning Habits among Secondary School Pupils	Sudharma A	Journal of Extension and Research	ISSN No.0972-351X	January 2014, Vol.XVI No.1 & 2 pp.61-67
Effectiveness of Kolb's Experiential Learning model on Academic	Sudharma A. & Rinu V Antony	Edufocus	ISSN No. 2347 – 646	8(1) : 40-47. June 2014

Dr. Sajna Jaleel

Journals

1. Jaleel, S., & Nair, A. B. (2014). *Role of Financial Inclusion for the Inclusive Growth of India*. Explorations. Journal of Seminar Papers. Vol IV 2.1 ISSN 2229-4783.
2. Jaleel, S. and Premachandran, P.(2014). A study on the Awareness of physical Science teacher educators about the selected innovative instructional strategies in the field of science education. The Ground Builder: An attempt to recast quality Education, Vol III(1),pp.44-54.ISSN 2249-9911
3. Jaleel, S. and Titus, B. (2014). Development of Mathematical creativity in India through Ages: A historical sketch of pre-independence period. Edufocus, Vol VIII(1),pp.58-63.ISSN 2347-646X
4. Jaleel, S. and Thomas, A.M. (2014). Learning Styles and Hemispheric preferences of Students at Secondary School Level. Pedagogics, Vol. X and XI(1),pp.78-82.ISSN2229-7618

5. Jaleel, S. and Joseph, M. (2014). Mobile banking: A gateway to Financial Inclusion. Explorations, Explorations. Journal of Seminar Papers. Vol IV 2.1 ISSN 2229-4783, PP 244-249

Dr. P. Jayasree

1. Social intelligence of students at higher secondary level. In Titus Tracks. ISSN 2348-4527. Vol IV 2014
2. Interactive Multimedia - A boon for higher education. In Carmel Graphics. ISSN 23220-7299 vol 2 Issue 1 Feb 2014
3. Comparison of study involvement of adolescent students at higher secondary level with respect to gender and type of management in Research Tracks. ISSN 2347-4637, vol 1, issue 1, July 2014
4. A study eco-friendliness and awareness in Green Chemistry of students at higher secondary level in Pedagogics, ISSN 2229-7618, Vol X and XI, No 1 September 2014
5. Self directed learning strategies for enhancing achievement in Science in Edufocus, ISSN no. 2347646, vol 8, no, 2 December 2014

Non-Peer Review Journals – Nil

E-Journals– Nil.

F. Conference Proceedings

Dr. Sajna Jaleel

1. Titus, B. and Jaleel, S. (2014) computer Assisted instruction on Mathematical Skills of discalculic students. In Susamma George P. (Ed.), Proceedings of UGC International Seminar on Learning disabilities and inclusion (pp 98-102) Kottayam: Mount Carmel College of Teacher Education for Women. ISBN 978-81-929468-0-1
2. Jaleel, S. and Joseph, M. (2014) Computer Technology: A powerful Tool for children with learning disabilities. In Susamma George P. (Ed.) Proceedings of UGC International Seminar on Learning disabilities and inclusion (pp. 202-205). Kottayam: Mount Carmel college of teacher Education for women. ISBN 978-81-929468-0-1
3. Premachandran, P. and Jaleel, S. (2014). Critically Thinking through Scientific Reasoning. In Susamma George P. (Ed.) Proceedings of UGC International Seminar on Learning disabilities and inclusion (pp. 242-245). Kottayam: Mount Carmel college of teacher Education for women. ISBN 978-81-929468-0-1
4. Premachandran, P. and Jaleel, S. (2014). Fostering Positive Social Skills in an inclusive classroo.. In M. Jayaprakash (Ed.), Proceedings of the International Seminar of Svash-2014,

- vol(II)(pp.261-264).Thiruvananthapuram: Swami Vivekananda Association of Science and Humanities. ISBN 978-81-907-480-9-4
5. Jaleel, S. and Premachandran, P. (2014).Astudy on the extent of awareness about E-learning ethics among Teacher educators at graduate level. In proceedings of the International Seminar on Institutional Interventions to bridge competency gulf in an e-world (IIBCGeW). Pandalam: N.S.S. Training College;In collaboration with CTE Kerala state centre
 6. Jaleel, S. and Shabeela, V. V. B. (2013). ICT: A Boon for Elementary Education. In M.S. Sameem(Ed.), National Seminar on Innovations, Quality and Excellence in Education IQEE 2013(pp.94-99).Kollam: Fathima Memorial Training College.ISBN 978-81-926318-2-

SCHOOL OF PURE AND APPLIED PHYSICS

A. Peer Review Journals

Dr. C Sudarsanakumar

1. Prasanth. S, Irshad. P, Rithesh Raj D, Vineeshkumar T V, Reji Philip and C.Sudarsanakumar. Nonlinear optical properties and fluorescence quenching behaviour of PVP capped ZnS nanoparticles codoped with Mn²⁺ and Sm³⁺. Journal of Luminiscence (2014) **IF 1.675**
2. R.S.Sreedharan, V.Ganesan, C.Sudarsanakumar, R.Prabhu and V.P.M Pillai Highly Transparent and Luminescent Nanostructured Eu₂O₃ Doped ZnO films IOP: Materials Science and Engineering (2014) 64 (1), 012027.
3. T.V.Vineeshkumar, D. Rithesh Raj, S. Prasanth, N.V.Unnikrishnan, R.Philip and C.Sudarsanakumar Structural and optical studies of Zn_{1-x}Cd_xS quantum dots synthesized by in situ techniques in PVA matrix. Optical Materials (2014). 37, 439 – 445.**IF 2.884**

Dr. K Indulekha

4. Indulekha, K. Role of Gas Dynamical Friction in the Evolution of Embedded Stellar Clusters Journal of Astrophysics and Astronomy, Volume 34, Issue 3, pp.207-221**IF 0.711**
5. Cation distribution and micro level magnetic alignments in the nanosized nickel zinc ferrite, Jeevan Job Thomas, A. B Shinde, B. S. R Krishna Journal of Alloys and Compounds, 546, 77 (2013).**IF 2.999**
6. Temperature dependent neutron diffraction and Mossbauer studies in zinc ferrite nanoparticles, Jeevan Job Thomas, A. B Shinde, B. S. R Krishna, Materials Research Bulletin, vol. 48, Issue 4, 1506 (2013).**IF 1.913**

Dr.K Nandakumar

7. Synthesis of YCrO₃ nanoparticles through PAA assisted sol-gel route, Shiji Krishnan, NandakumarKalarikkal, Sol-Gel Science and Technology, Vol. 66, Issue I, 6 (2013).**IF 1.660**

8. Structural and magnetic properties of geometrically frustrated multiferroic ErMnO_3 nanoparticles, B. Raneesh, A. Saha, D. Das, NandakumarKalarikkal, J. Alloys and Compounds, 551, 654 (2013). **IF 2.999**
9. Surface energy properties of Yttrium Barium Copper Oxide filled Polystyrene composites, Rosalin Abraham, JayakumariIsac, Nandakumar K, Yakhmi Y J, SabuThomas ,Advances in Ceramic Science and Engineering (ACSE), Vol. 2, Issue 2, (2013). **IF 0.744**
10. Effect of gamma radiation on the structural, dielectric and magnetoelectric properties of nanostructured hexagonal YMnO_3 , B. Raneesh, A. Saha, NandakumarKalarikkal, Radiation Physics and Chemistry, 89, 28 (2013). **IF 1.375**
11. Size-dependent thermal properties of muliferroic ErMnO_3 nanoparticles using Photopyroelectric technique, B.Raneesh, H. Saumya, J. Philip, NandakumarKalarikkal, J. Alloys and Compounds, 579, 243 (2013). **IF 2.999**
12. Electrical properties of Graphene filled natural rubber composites, YaragallaSrinivasarao, YahayaSubbanRiHanum, Chin Han Chan, KalarikkalNandakumar, ThomasSabu, Advanced Materials Research, Vol. 812, 263 (2013). **IF 1.713**
13. Synthesis and characterization of gelatin/zeolite porous scaffold, NeethuNinan Yves Grohens Anne Elain NandakumarKalarikkal, Sabu Thomas, European Polymer Journal, 49, 9, 2433-2445 (2013). **IF3.005**
14. Facile synthesis of transparent and fluorescent epoxy - CdSe/CdS/ZnS core-multi shell nanocomposite, Sneha Mohan, Oluwatobi S. Oluwafemi, Sandile P. Songca, Otolorin A. Osibote, Soney C. George, NandakumarKalarikkal, Sabu Thomas, New Journal of Chemistry- 38,155 (2014).
15. A facile and rapid method for the black pepper leaf mediated green synthesis of silver nanoparticles and the antimicrobial study, Robin Augustine, Sabu Thomas, NandakumarKalarikkal, Applied Nanoscience October 2014, Volume 4, Issue 7, pp 809-818,
16. Completely green synthesis of dextrose reduced silver nanoparticles, its antimicrobial and sensing properties. Sneha Mohan, Oluwatobi S. Oluwafemi, Sandile P. Songca, Otolorin A. Osibote, Soney C. George, V. P. Jayachandran, NandakumarKalarikkal, Sabu Thomas Carbohydrate Polymers- 106:469-74. (2014) **IF4.074**
17. Electrospun polycaprolactone/ZnO nanocomposite membranes as biomaterials with antibacterial and cell adhesion properties. Robin Augustine, Hruda Nanda Malik, Dinesh Kumar Singhal, Ayan Mukherjee, DhruvaMalakar&NandakumarKalarikkal&Sabu Thomas, Journal of Polymer Research, 2014; 21(3) **IF 1.920**
18. Interaction of phospholipid with silver nanorods, K.N Anju, S.Mahesh, N. Kalarikkal, American Institute of Physics Conference Proceedings, Vol. 1576 , 232 (2014).

19. Electrospinning of PCL with Collagen coating from environmentally benign solvent: Preliminary physiochemical studies for skin substitutes, Kajalet. al., Journal of Polymar Research, 21:410, DOI 10.1007/s10965-014-0410-y (2014)**IF 1.920**
20. Structural and magneto-electric studies on $Sr_2Fe_{1-x}Mn_xMoO_6$ ($x=0.0, 0.25, 0.50$), P.P.Jasnamoet. al, International Journal of Scientific & Engineering Research, 5,3,(2014)**IF 3.8**
21. Magentoelectric properties of multiferroiccomposties ($1-x$) $ErMnO_3-xY_3Fe_5O_{12}$ at room temperature, B.Raneesh et.al., Journal of Alloys and Compounds,611 (2014) 381-385**IF 2.999**
22. An In vitro method for Determination of Microbial Barrier Property (MBP) of Porous Polymeric Membranes for Skin Substitute and Wound Dressing Applications, Robin Augustine et.al., Tissue Engineering and Regenerative Medicine, Vol.11,No.6,1-8 (2014)**IF5.199**
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B. Non-Peer Review Journals – Nil

C. E-Journals– Nil.

D. Conference Proceedings– Nil

A. Peer Review Journals

Dr. Rajesh Komath

1. **Social Barriers of Caste: Ambedkar's Perspective on Working Classes** in the Journal of Parliamentary Affairs by the Institute of Parliamentary Affairs, Government of Kerala, Vol. 6. Issue 1, January-June, pp: 82-88, 2014.
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B. Non-Peer Review Journals - Nil

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SCHOOL OF TOURISM STUDIES

3. Peer Review Journals

4. Non-Peer Review Journals - Nil

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6. Conference Proceedings-Nil

International and Inter University Centre for Nanoscience and Nanotechnology

No	Title of Paper	Author	Journal and Details	Impact Factor	Source of Impact factor
1	Structure and magnetic properties of the $Al_{1-x}Ga_xFeO_3$ family of oxides: A combined experimental and theoretical study,	RanaSahaa, AjmalaShireena, A.K. Bera, Sharmila N. Shirodkar, Y. Sundarayyaa, NandakumarKalarikkal, S.M. Yusuf, Umesh V. Waghmare, A. Sundaresana, C.N.R Rao	Journal of Solid State Chemistry, Vol. 184, Issue 3, 494 (2011).	2.133	http://www.journals.elsevier.com/journal-of-solid-state-chemistry/
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ADVANCED CENTRE OF ENVIRONMENTAL STUDIES & SUSTAINABLE DEVELOPMENT

A. Peer Review Journals

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1. Sreedharan K., Rinoy Varghese, Ambady K.G. and Thomas A.P Awareness of health and ecological impacts of pesticide usage among the farm workers of Cardamom plantations, Southern Western Ghats, Kerala, *International Journal of Scientific Research*, 3(6): 160-164. 2014

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Dr. Thomas A.P

1. Padma P., Ramasamy E.V, Muralivallabhan T V and Thomas A.P. Household water consumption pattern in Kerala - a sustainability assessment. International Symposium on Integrated water resource management, IWRDM, Feb 19-21, 2014.
2. Padma P., Ramasamy E.V, Muralivallabhan T V and Thomas A.P. Evaluation of the Functioning of Flood Relief Camps in Kottayam District. International Symposium on Integrated water resource management, IWRDM, Feb 19-21, 2014

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 8. K. K. Nejumal, P. R. Manoj, and Usha K. Aravind and C.T. Aravindakumar. Sono and Photochemical Degradation Studies of Isoniazid in aqueous medium, Proc- Third International Conference on Advanced Oxidation Processes, Sept.25-28, 2014, Munnar, p-63
 9. Sunil Paul M. Menachery, Usha K. Aravind, Gopinathan Pramod, Abhijit Saha, and Charuvila T. Aravindakumar. Hydroxyl Radical Induced Oxidation of Theophylline in Water: A Kinetic and Mechanistic Study, Proc- Third International Conference on Advanced Oxidation Processes, Sept.25-28, 2014, Munnar, p-98.
 10. P. R. Manoj, Usha K. Aravind, C.T. Aravindakumar, Photocatalytic Degradation of Lignocaine in Aqueous Suspension of TiO₂, Proc- Third International Conference on Advanced Oxidation Processes, Sept.25-28, 2014, Munnar, p-102
 11. P. R. Manoj, Usha K. Aravind, C.T. Aravindakumar. Sonochemical Degradation of Benzenesulfonic Acid, Proc- Third International Conference on Advanced Oxidation Processes, Sept.25-28, 2014, Munnar, p-103
 12. P. R. Manoj, V. Vidyanand, Usha K. Aravind, C.T. Aravindakumar. Ultrasound Assisted Mineralization of Cyanuric acid in Aqueous Medium: Combined Effect of •OH and Super Critical Water, Proc- Third International Conference on Advanced Oxidation Processes, Sept.25-28, 2014, Munnar, p-102
 13. N. B. Shibin, R. Sreekanth, G. Pramod, Usha K. Aravind, and C. T. Aravindakumar. Reaction of Hydroxyl and Sulphate Radicals with

HydroxyNaphthoic Acids, Proc- Third International Conference on Advanced Oxidation Processes, Sept.25-28, 2014, Munnar, p-111.

14. G. Akhil, Jissy Mathew, C. T. Aravindakumar, Usha K. Aravind. Ultrathin Nano-composite Chitosan Membranes for Protein Delivery, Proceeding of International conference on nano-biomaterials, 2014, Kottayam.

Dr. G Christopher

Veena, M. G., Christopher, G. and Anhjali, S. N. Wild edibles in indigenous agroforestry aystem- A case of Attappady Valley, Southern Western Ghats. Poster presented in World Congress on Agroforestry, New Delhi, 2014.

National conference proceedings

Dr. Thomas A.P

1. Shanthi Prabha V, Renuka R, Sreekanth N.P, Babu Padmakumar, Thomas A.P. Biochar as a traditional green option for soil carbon sequestration and green house gas emission reduction: a comparative study. Kerala Science Congress, 26KSC-2014, Pookode, January 28-31, 2014.
2. Sreekanth N.P, Shanthi PrabhaV., Babu Padmakumar, Thomas A.P. A study on the potential of vetiver in soil carbon sequestration-a land based approach. Kerala Science Congress, 26KSC-2014, Pookode, January 28-31, 2014.

Dr. K Usha

1. Sijumon V A, Usha K Aravind and C.T. Aravindakumar. Advanced oxidation process as a remediation tool for the treatment of paper mill effluent. Kerala Science Congress, 26KSC-2014, Pookode, January 28-31, 2014.
2. Sijumon V A, Usha K Aravind and C.T. Aravindakumar Photochemical degradation of phloroglucinol as model compound present in paper mill wastewaters. Trombay symposium on radiation and photochemistry, TSRP-2014, January 6-9, 2014.
3. Sijumon V A, Usha K Aravind and C.T. Aravindakumar Advanced oxidation process as a remediation tool for the treatment of paper mill effluent, Proceedings of 26th Kerala Science congress, January, 2014, Wayanad.
4. Akhil, Mary Lidiya Mathew, U. K. Aravind. Chitosan based nanostructured membrane for the colour removal of textile effluents, Proceedings of 26th Kerala Science congress, January, 2014, Wayanad

INTER UNIVERSITY CENTRE FOR SOCIAL SCIENCE RESEARCH AND EXTENSION

A. Peer Review Journals

Dr. Sanal Mohan

1. *Global Capital and Peripheral Labour: The History and Political Economy of Plantation Workers in India* by K. Ravi Raman: London, Routledge, 2010 in *Journal of Agrarian Change*, Vol. 14, Issue 1, 2013, pp.155-9.
2. *Reconsidering Untouchability: Chamars and Dalit History in North India* by Ramnarayan Rawat Bloomington, Indiana University Press, Bloomington, in *Studies in History*, 2014.

INSTITUTE FOR INTENSIVE RESEARCH IN BASIC SCIENCES

A. Peer Review Journals

Prof(Dr.)I.Ibnusaud

1. Synthesis of enantiopure furo[2,3-b]pyrroles, Nair, D.S.; Ibnusaud, I.; *Tetrahedron Letters*, **2014**, **55**, **5822 - 5824** (Impact Factor: 2.391)
2. "Synthesis of enantiopure 3-substituted, 3, 4-disubstituted pyrrolidinediones and related isoquinoline alkaloid"; Divya S. Nair, Deenamma Habel, Grace Thomas, and Ibrahim Ibnusaud, ACS Meeting March 16-20, 2014, Dallas, Texas, USA

K.N. RAJ STUDY CENTRE FOR PLANNING AND CENTRE STATE FINANCIAL RELATIONS

A. Peer Review Journals

K.M. Seethi

1. "China, Israel and India: Flexible Coalitions," *The Diplomat*, 24 November 2013
2. "India and the Emerging Gulf: Between 'Strategic Balancing' and 'Soft Power' Options," in Tim Niblock and Monica Malik (eds.), *Asia-Gulf Economic Relations in the 21st Century: The Local to Global Transformation*, (London: Gerlach Press, 2013).
3. "China, Israel and India: New Equations and New Strategies," *South Asian Journal of Diplomacy*, 2013.
4. "Democracy and Electoral System in India," (review article) *Social Science Perspectives*, 5(2), April-June 2013.

K.M. Seethi and Sunil Kumar

1. "Marginalization, Identity Politics and New Social Movements," *Indian Journal of Politics and International Relations*, Vol.5-8, 2013.

Johnson K Joice & Swapna M

1. *Economics: A Complete reference* ISB No.9788192291185
2. *Proceedings of the Kanyakumari Academy of Arts & Science* collected papers Second International KAAS Vol.II Social Sciences ISB No : 978-93-81658-07-9

ADVANCED MOLECULAR MATERIALS RESEARCH CENTRE

A. Peer Review Journals

Prof(Dr.).Suresh Mathew

1. Synthetic Strategies, Stabilization, Physicochemical Features, Characterization, and Applications, Aswathy Joseph, Dr. Suresh Mathew. Journal :ChemPlusChem, 2014, 79, 1382-1420. (Impact factor 3.026)
2. Graphene-based semiconductor nanocomposites for photocatalytic applications, Divya K. S.; Umadevi T. U.; Dr. Suresh Mathew. Journal of Nanoscience Letters, 2014,4, 21. Presently named as **Nanoscience and Nanotechnology Letters(Impact factor : 1.431)**

SCHOOL OF TECHNOLOGY AND APPLIED SCIENCE , PULARIKUNNU

A. Peer Review Journals

Dr. K. Shreekrishna Kumar

1. Forecasting Stock Time-Series using Data Approximation and Pattern Sequence Similarity, *International Journal of Information Processing* (2013)

Benazir K.K.

1. Benazir.K.K, Dr. R.Vijayakumar," Integrating height and fingerprint for automated personal authentication" *International Journal of Computer Applications & Information Technology*, ISSN:2278-7720,January (2014), **Global Impact Factor 0.405**

SCHOOL OF TECHNOLOGY AND APPLIED SCIENCES , PULARIKUNNU

A. Peer Review Journals

Dr. K. Shreekrishna Kumar

- Forecasting Stock Time-Series using Data Approximation and Pattern Sequence Similarity, *International Journal of Information Processing* (2013)

Benazir K.K.

- Benazir.K.K, Dr. R.Vijayakumar,” Integrating height and fingerprint for automated personal authentication” *International Journal of Computer Applications & Information Technology*, ISSN:2278-7720,January (2014), **Global Impact Factor 0.405**

3.7 No of Books Published

Author/Editor	Title	Discipline	Publisher	ISBN No.
LINU MATHEW	Biological Effects of Ecdysteroids and Their Non Steroidal Agonist Bisacylhydrazines– A Review	BIO SCIENCES	Biotechnology Vol. 7: Drug Discovery (accepted), Studium press, Houston USA	
Jisha M.S.	Surfactants: chemistry, toxicity and remediation. Pollutant Diseases, Remediation and Recycling. Environmental Chemistry for a Sustainable World..	BIO SCIENCES		4:277-320
Tasneem Abbasi, Khan FI, E.V.Ramasamy and Abbasi SA	Regional EIA and Risk Assessment in a Fast Developing Country	Environmental sciences	Nova Science Publishers, Inc. New York, 437 pages ,2013	978-1-61942-234-6
E Sulaiman (SMBS)	Interest-Free Financial System: Principles and Practices	Management and Business Studies	Germany: Lap Lambert Academic Publishing House	978-3-659-56296-9.
Siby Zacharias	Sales Promotion and Consumer based Brand Equity	Management and Business	Excel India Publishers,	978-93-83842-78-0

		Studies	New Delhi	
K.M. Seethi and K.P. Fabian (eds.) (IR)	Engaging South Asia:Challenges and Opportunities of New Diplomacy, Kottayam: KPS Menon Chair.	International Relations		
C.Vinodan	South Asia in the Globalised World, New Delhi:.	International Relations	New Century Publishers	
Dr. P P Raveendran	Etirezhuthukal: Bhavukatwattinte Bhoomisastram (Counter-writings: The Geography of Sensibility)	School of Letters	Kottayam: SPCS, 2013	
Dr. Jose K. Manuel	Shareera Bhasha : Avathanavum Artha grahanavum	School of Letters	Kerala Books , Kannur	
Dr. Sanal Mohan	'Religion, Social Space and Identity: Prathyaksha Raksha Daiva Sabha and the Making of Cultural Boundaries in Twentieth Century Kerala', in Subhadra Channa Mitra and Joan P. Mencher (ed) Life as a Dalit		New Delhi, Sage, 2013	
Dr. Rajesh Komath, SSS	Theyyam: The Other Gods (:Co-authored with Bhawani Cheerath-Rajagopalan.	Social Science	Stark World Publishing Private Ltd, 2012	ISBN 978-81-906936-1-5),
	Nattudaivangal Samsarichu Thudangumbol (When Local Gods Start Speaking)	Social Science	Mathrubhumi Books, 2013:	ISBN : 978-81-8265-868-4.

School of Bio Science

Sharrel Rebello, Aju K. Asok, Sathish Mundayoor, Jisha M.S. (2013).Surfactants: chemistry, toxicity and remediation. Pollutant Diseases, Remediation and Recycling. Environmental Chemistry for a Sustainable World. 4:277-320.

5.Sharrel Rebello, Aju K. Asok, Elizabeth Mary john. Jisha M.S. (2013).Anionic surfactant toxicity and remediation :a methodological review In: Environmental Microbiology: Techniques and Applications. Reference book. Bulbul scientific services

3.7A Chapters in edited books

School of Behavioural Science

Dr. Rajeev Kumar N

1. Published a chapter on Emotional Problems of children in juvenile homes in the Edited Book stress and well being of Adolescents

School of Bioscience

Jyothis Mathew

1. Soumya K R, Suja Philip, Sheela Sugathan, Jyothis Mathew and Radhakrishnan E K Book chapter titled "Mechanisms behind the Establishment of Coagulase Negative Staphylococci as Successful Nosocomial Pathogens" in the book "RECENT DEVELOPMENTS IN BIOTECHNOLOGY published by Studium Press LLC, USA (in press).
2. Roshmi Thomas, Jyothis Mathew and Radhakrishnan EK Book chapter titled "Recent Advances in Microbial Synthesis of Metal Nanoparticles" in the book "RECENT DEVELOPMENTS IN BIOTECHNOLOGY published by Studium Press LLC, USA (in press).

Jisha M.S.

1. Sharrel Rebello, Aju K. Asok, Sathish Mundayoor, Jisha M.S. (2013).Surfactants: chemistry, toxicity and remediation. Pollutant Diseases, Remediation and Recycling. Environmental Chemistry for a Sustainable World. 4:277-320.
2. Sharrel Rebello, Aju K. Asok, Elizabeth Mary john. Jisha M.S. (2013).Anionic surfactant toxicity and remediation :a methodological review In: Environmental Microbiology: Techniques and Applications. Reference book. Bulbul scientific services

School of Chemical Sciences

Prof. Sabu Thomas

1. Advances in Materials Science: Volume1: "Polymer Processing and Characterization" Series Editors-in-Chief:Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang Weimin, PhD: Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013

2. Advances in Materials Science: Volume 2: "Natural Polymers, Biopolymers, Biomaterials, and Their Composites, Blends and IPNs" Series Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang Weimin, PhD:, Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013
3. Advances in Materials Science: Volume 3: "Recycling and reuse of materials and their products" Series Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang Weimin, PhD:, Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013
4. Advances in Materials Science: Volume 3: "Composites and nanocomposites " Series Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang Weimin, PhD:, Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013
5. Advances in Materials Science: Volume 4: "Composites and nanocomposites " Series Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang Weimin, PhD:, Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013
6. Advances in Materials Science: Volume 2: "Natural Polymers, Biopolymers, Biomaterials, and Their Composites, Blends and IPNs" Series Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang Weimin, PhD: Volume Editors: Sabu Thomas, PhD, Neethu Ninan, Sneha Mohan, Elizabeth Francis, Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013
7. Advances in Nanoscience and Nanotechnology: Volume 2: "Nanomedicine and Cancer Therapies": Series Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang Weimin, PhD: Volume Editors: Mathew Sebastian, MD, Neethu Ninan and Eldho Elias. Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013
8. Biomaterial Applications: Macro to Nanoscale. Thomas, S., Kalarikkal, N., Yang, W., & Babu, S. S. (Eds.). (2014). CRC Press.
9. Non-Linear Viscoelasticity of Rubber Composites and Nanocomposites-Influence of Filler Geometry and Size in Different Length Scale, Deepalekshmi Ponnamma and Sabu Thomas, Springer International Publishing
10. Foundations of Nanotechnology, Volume One: Pore Size in Carbon-Based Nano-Adsorbents, A K Haghi, Sabu Thomas, Moein Mehdipour Mirmahaleh. Apple Academic Press 2014
11. Foundations of Nanotechnology, Volume Two: Nanoelements Formation and Interaction Sabu Thomas, Saeedeh Rafiei, Shima Maghsoodlou, Arezo Afzali. Apple Academic Press 2014
12. Advanced Nanomaterials: Synthesis, Properties, and Applications Sabu Thomas, Nandakumar Kalarikkal, A. Manuel Stephan, B Raneesh. Apple Academic Press 2014

13. Characterization of Polymer Blends: Miscibility, Morphology and Interfaces
Sabu Thomas, Yves Grohens, P Jyotishkumar. Wiley-VCH Verlag GmbH 2014
14. Micro- And Nano-Structured Interpenetrating Polymer Networks: From Design to Applications
Sabu Thomas. John Wiley & Sons 2014.
15. Polymer Composites, Biocomposites: 3 Sabu Thomas, Kuruvilla Joseph, S.K. Malhotra, Koichi Goda, M.S. Sreekala. Wiley-VCH 2013
16. Physical Chemistry of Macromolecules: Macro to Nanoscales. Editors: Chan, C. H., Chia, C. H., & Thomas, S. CRC Press, 2014
17. Nanostructured Polymer Blends, Volume 1 (Micro and Nano Technologies). Sabu Thomas, Robert Shanks and C Sarathchandran. William Andrew 2014 Polymer Composites, Nanocomposites (Volume 2). Sabu Thomas (India); Kuruvilla Joseph (India); S.K. Malhotra (India); Koichi Goda (Japan) and M.S. Sreekala (India), Wiley, USA, 2013
18. Natural Rubber Materials: Volume 1: Blends and IPNs (RSC Polymer Chemistry Series) by Sabu Thomas, Chin Han Chan, Laly Pothen and Rajisha K.R. RSC, 2013
19. Natural Rubber Materials: Volume 2: Composites and Nanocomposites. Thomas, S., Chan, C. H., Pothen, L. A., Joy, J., & Maria, H. (Eds.). RSC, 2013
20. Role of wound dressings in the management of chronic and acute diabetic wounds in Diabetes Mellitus and Human Health Care: A Holistic Approach to Diagnosis, Robin Augustine, Nadakumar Kalarikkal, Sabu Thomas, CRC Press, 2014
21. Processing Technologies, Properties and Applications (In 4 Volumes)., Abraham, E., Thomas, M. S., Deepalekshmi, P., Deepa, B., Pothen, L. A., & Thomas, S.
22. Biopolymers for Health, Food, and Cosmetic Applications. Handbook of Biopolymer-Based Materials: From Blends and Composites to Gels and Complex Networks, Robin Augustine, Rajakumari Rajendran, Uroš Čvelbar, Miran Mozetič, Anne George. Wiley USA 2
23. Micro and Nanostructured Epoxy/Rubber Blends Sabu Thomas, Christophe Sinturel, Raju Thomas. Wiley-VCH Verlag GmbH 2014.
24. Polymers for Packaging Applications Sabu Thomas, Sajid Alavi, K P Sandeep, Nandakumar Kalarikkal. Apple Academic Press 2014.
25. Advances in Elastomers II Composites and Nano-composites, Visakh P. M. S. Thomas et al. 2013
26. Handbook of Biopolymer-Based Materials: From Blend and Composites to Gels and Complex Networks, S. Thomas et al.. Wiley-VCH 2013
27. Natural Rubber Materials: Complete set (RSC Polymer Chemistry series), RSC Publishing 2013

School of Environmental Sciences

Dr.E.V.Ramasamy

Book

Regional EIA and Risk Assessment in a Fast Developing Country , Tasneem Abbasi, Khan FI, E.V.Ramasamy and Abbasi SA, 2013. *Nova Science Publishers, Inc.* New York, 437 pages. ISBN 978-1- 61942-234-6

School of Gandhian Thought and Development Studies

Dr. M S John

M S John, “Conflict Resolution: The State of the Field and Implications for Practice” in V Suryanarayana and Theresa Joseph eds. *Conflict Resolution in South Asia*, New Delhi: Reference Press 2013.

M S John with Ufo Okeke Uzodike (2013) “The Territorial Origins of African Civil Conflicts: A Historical Perspective”, in Kelechi Kalu, Okeke Uzodike, David Kraybill & John Moolakkattu eds. *Territoriality, Citizenship and Peacebuilding: Perspectives on Challenges to Peace in Africa*, London: Adonis Abbey

M S John with Ufo Okeke Uzodike (2013) “Conclusion” in Kelechi Kalu, Okeke Uzodike, David Karybill & John Moolakkattu eds. *Territoriality, Citizenship and Peacebuilding: Perspectives on Challenges to Peace in Africa*, London: Adonis Abbey

School of International Relations and Politics

K.M. Seethi and K.P. Fabian (eds.): *Engaging South Asia: Challenges and Opportunities of New Diplomacy*, Kottayam: KPS Menon Chair.

C.Vinodan (ed.) (2014), *South Asia in the Globalised World*, New Delhi: New Century Publishers.

School of Letters

Dr. Jose K. Manuel

Title : Aakhyavanum samskaravum -K.R Meerayude Kathakalil

Published By :Kerala Books, Kannur

School of Management and Business Studies

Dr. Santhosh P Thampi

1. Santhosh P Thampi -Ecotourism Marketing: Sustainable Approaches, **Environment Tourism and Development – International Perspectives, KITTS, Thiruvananthapuram, 2014, ISBN 978-81-924611-3-7**
2. Johney Johnson & C V Lolitha, Leading for Learning: A Case Study of 'Teach for India'.(pages. 437-453) LETS LEARN- Academic Reference Series, BLOOMSBURY INDIA, (2014) ISBN 978-93-84052-22-5 Editors: Debashis Chatterjee, Surya Prakash Pati, Priya Nair Rajeev, Manoranjan Dhal
3. Jils Baby Emmanuel, Santhosh. P. Thampi, Emotional Intelligence and interpersonal facilitation of managers in Public Sector Enterprises in Kerala, Trends and challenges in Indian Business Management, Archers and Elevators publishing House, Bangalore,2014,(ISBN 978-93-83241-60-6).
4. John K Babu, Santhosh. P. Thampi, Perception of Buyers in Kerala About Neighbourhood Facilities and Support Services in the Purchase of Apartments in Kerala, Trends and challenges in Indian Business Management, Archers and Elevators publishing House, Bangalore,2014,(ISBN 978-93-83241-60-6), P.P 208 – 217.
5. Krishna Kumary M R, Santhosh. P. Thampi, "Customer Services And Customer Friendly Employees: Impacts On Customer Satisfaction"- Trends and Challenges in Indian Business Management, Archers & Elevators Publishing House, Bangalore, 2014. (ISBN- 978-93-83241-60-

School of Pedagogical Sciences

1. Dr. Sajna Jaleel

Towards improving the quality of education by integrating ICT in teacher education. In M.Beegum and M.S.Lalithamma. Teacher Education Practices: Innovative trends.pp149-155.Chennai: MJP Publishers.

School of Pure and Applied Physics

NandakumarKalarikkal

1. Nanomaterials: Synthesis, Characterization, and Applications,Volume 3 of the Advances in Nanoscience and Nanotechnology book series (2013)
Editors: A. K. Haghi, Ajesh K. Zachariah, NandakumarKalarikkal

2. Advanced Nanomaterials: Synthesis, Properties, and Applications
Editors: Sabu Thomas, Nandakumar Kalarikkal, A. Manuel Stephan, B. Raneesh and A. K. Haghi
(2014)
3. Polymers for Packaging Applications
Editors Sabu Thomas, Sajid Alavi, Jini Varghese, Nandakumar Kalarikkal, and Oluwatobi Samuel Oluwafemi (2014)
4. Recent Trends in Natural Polymers and Biomaterials: Macro to Nanoscales Editors: Sabu Thomas, Nandakumar Kalarikkal, Weimin Yang, Oluwatobi Samuel Oluwafemi and Bindhya (2014)
5. Biomaterial Applications: Macro to Nanoscales Editors: Sabu Thomas, Nandakumar Kalarikkal, Yang Weimin, Snigdha S Babu. (2014)
6. Role of wound dressings in the management of chronic and acute diabetic wounds, Robin Augustine, Kalarikkal, N., Thomas, S. Role of wound dressings in the management of chronic and acute diabetic wounds. In Diabetes Mellitus and Human Health Care: A Holistic Approach to Diagnosis and Treatment; George, A., Augustine, R., Sebastian, M. Eds.; Apple Academic Press: (2014)
7. Diabetes and healthcare: an overview
Abhilash M, Robin Augustine: In Diabetes Mellitus and Human Health Care: A Holistic Approach to Diagnosis and Treatment; George, A., Augustine, R., Sebastian, M. Eds.; Apple Academic Press: (2014)
8. Thin Film and Nanostructured Multiferroic Materials, B. Raneesh and Nandakumar Kalarikkal in the book Advanced Nanomaterials: Synthesis, Properties, and Applications published by Apple Academy Press (2014)
9. Current Advances in Nanomedicine: Applications in Clinical Medicine and Surgery, Indu Raj P, Vinod Kumar, and Nandakumar Kalarikkal in the book Advanced Nanomaterials: Synthesis, Properties, and Applications published by Apple Academy Press (2014)
10. Recent Advances in Nanomedicine: Applications in Diagnosis and Therapeutics, Sandhya Gopalakrishnan, Kannan Vaidyanathan, and Nandakumar Kalarikkal in the book Advanced Nanomaterials: Synthesis, Properties, and Applications published by Apple Academy Press (2014)

School of Tourism Studies :

- “A uniform approach for Tourism Education in India: Potentials, Problems and Prospects” in the book ‘Transforming Communities through tourism’, by Victorious Publishers (India), February 2014.
- Content Editor for Directorate of Distance Education, Pondicherry University, 2013.
- Scrutiny and Content Editing for 12 courses of BTS programme offered by School of Distance Education, Mahatma Gandhi University, 2013.

International and Inter University Centre for Nanoscience and Nanotechnology

Prof(Dr.) Sabu Thomas

1. Polymer Composites, Nanocomposites (Volume 2). Sabu Thomas (India); Kuruvilla Joseph (India); S.K. Malhotra (India); Koichi Goda (Japan) and M.S. Sreekala (India), Wiley, USA, 2013
2. Natural Rubber Materials: Volume 1: Blends and IPNs (RSC Polymer Chemistry Series) by Sabu Thomas, Chin Han Chan, Laly Pothan and Rajisha K.R. RSC, 2013
3. Natural Rubber Materials: Volume 2: Composites and Nanocomposites. Thomas, S., Chan, C. H., Pothan, L. A., Joy, J., & Maria, H. (Eds.). RSC, 2013
4. Biopolymer Nanocomposites: Processing, Properties, and Applications Editors: Alain Dufresne, Sabu Thomas, Laly A. Pothan, John Wiley & Sons, 2013
5. Advances in Elastomers II: Composites and Nanocomposites Editors: S Thomas, PM Visakh, AP Mathew, AK Chandra, Springer, 2013.
6. Handbook of Biopolymer-Based Materials: From Blends and Composites to Gels 16 and Complex Networks Editors: S Thomas, D Durand, C Chassenieux, P Jyotishkumar, Wiley-VCH, 2013.
7. Polymer Composites: Volume 1: Macro- and Microcomposites Editors: Sabu Thomas (India); Kuruvilla Joseph (India); S.K. Malhotra (India); Koichi Goda (Japan) and M.S. Sreekala (India), Wiley, USA, 2012 20. Advances in Nanoscience and Nanotechnology: Volume 1: “Nanomedicine and Drug Delivery” Series Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang Weimin, PhD: Volume Editors: Mathew Sebastian, MD, A.K. Haghi, PhD and Neethu Ninan. Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013

8. . Polyoxymethylene Handbook: Structure, Properties, Applications and Their Nanocomposites
Sigrid Loftl, Sabu Thomas, Visakh P M, Sarathchandran C. Wiley-Scrivener 2013.
9. . Advances in Materials Science: Volume1: “Polymer Processing and Characterization” Series
Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George, MD and Yang
Weimin, PhD: Volume Editors: Sabu Thomas, PhD, Deepaleskmi Ponnamma and Ajesh K.
Zachariah. Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013
10. Advances in Materials Science: Volume 2: “Natural Polymers, Biopolymers, Biomaterials, and
Their Composites, Blends and IPNs” Series Editors-in-Chief: Sabu Thomas, PhD, Mathew
Sebastian, MD, Anne George, MD and Yang Weimin, PhD: Volume Editors: Sabu Thomas, PhD,
Neethu Ninan, Sneha Mohan, Elizabeth Francis, Apple Academic Press, USA, CRC Press, Taylor
Francis Group, USA, 2013
11. .Advances in Nanoscience and Nanotechnology: Volume 2:”Nanomedicine and Cancer
Therapies”: Series Editors-in-Chief: Sabu Thomas, PhD, Mathew Sebastian, MD, Anne George,
MD and Yang Weimin, PhD: Volume Editors: Mathew Sebastian, MD, Neethu Ninan and Eldho
Elias. Apple Academic Press, USA, CRC Press, Taylor Francis Group, USA, 2013
12. . Micro- And Nano-Structured Interpenetrating Polymer Networks: From Design to
Applications Sabu Thomas. John Wiley & Sons 2014.
13. Polymer Composites, Biocomposites: 3 Sabu Thomas, Kuruvilla Joseph, S.K. Malhotra, Koichi
Goda, M.S. Sreekala. WileyVCH 2013
14. Physical Chemistry of Macromolecules: Macro to Nanoscales. Editors: Chan, C. H., Chia, C. H., &
Thomas, S. CRC Press, 2014 12. Nanostructured Polymer Blends, Volume 1 (Micro and Nano
Technologies). Sabu Thomas, Robert Shanks and C Sarathchandran. William Andrew 2014
15. Foundations of Nanotechnology, Volume One: Pore Size in Carbon-Based NanoAdsorbents A K
Haghi, Sabu Thomas, Moein Mehdipour Mirmahaleh. Apple Academic Press 2014
16. 3. Foundations of Nanotechnology, Volume Two: Nanoelements Formation and Interaction
Sabu Thomas, Saeedeh Rafiei, Shima Maghsoodlou, Arezo Afzali. Apple Academic Press 2014
17. Advanced Nanomaterials: Synthesis, Properties, and Applications Sabu Thomas, Nandakumar
Kalarikkal, A. Manuel Stephan, B Raneesh. Apple Academic Press 2014
18. . Biomaterial Applications: Macro to Nanoscale Sabu Thomas, Nandakumar Kalarikkal, Weimin
Yang, Snigdha S Babu. Apple Academic Press 2014

19. Characterization of Polymer Blends: Miscibility, Morphology and Interfaces Sabu Thomas, Yves Grohens, P Jyotishkumar. Wiley-VCH Verlag GmbH 2014

INTER UNIVERSITY CENTRE FOR SOCIAL SCIENCE RESEARCH AND EXTENSION

Dr. Sanal Mohan

1. Religion, Social Space and Identity: Prathyaksha Raksha Daiva Sabha and the Making of Cultural Boundaries in Twentieth Century Kerala', in Subhadra Channa Mitra and Joan P. Mencher (ed) Life as a Dalit, New Delhi, Sage, 2013.

b. No of University departments receiving fund from

3.11 No. of conferences organized by the Institution

Convener	Title	Level*
School of Behavioural Science	International Workshop on Building up Research-organized by School of Behavioural Sciences 12-13.8.2013).Theme: Search, Research & Publish	International
School of Behavioural Science	One day Seminar on classroom management of students with learning disabilities on 23 rd January 2013, organized by School of Behavioural Sciences, Mahatma Gandhi University, Kottayam	State Level Conference
School of Behavioural Science	National seminar on "Inclusive education" on 26 th March 2013, at School of Behavioural Sciences, Mahatma Gandhi University	State Level Conference
School of Behavioural Science	'World Health day' observation on 7 th April 2013 at School of Behavioural Sciences, M.G University.	State Level Conference
School of Behavioural Science	International Conference on "Research Methodology and scientific writing (ICRMSW) at School of Behavioural Sciences, M.G University(21 and 22 December 2013)	State Level Conference
Dr. R. Vijayakumar – Organizer Ms. Pushpalatha K.P. –	"Computing and Communication" at School of Computer Sciences, December 2013.	National Seminar

Co-ordinator School of Computer Sciences		
School of Computer Sciences	Computing in Malayalam for Malayalam using Visual Programming Language by Dr. K.P. Soman, Prof. & HOD, Centre for Excellence in Computational Engineering, Amrita Vishwa Vidyapeetham, Coimbatore	State Level Conference
School of Computer Sciences	Algorithm for Mining the Web and the Database- by Dr. Sumithra S Nair, Indian Institute of Space Science and Technology (ISTE), Thiruvananthapuram	State Level Conference
School of Computer Sciences	Context Centered Communication- by Sri. C.K. Subramania Prasad, Retd. Prof & HOD, Dept. Of Civil Engineering, NSS College, Palakkad	State Level Conference
School of Computer Sciences	Latest Trends in Software Engineering- by Sri. Krishnan Chittoor, S/W Developer, Microsoft India Ltd.	State Level Conference
Ms. Bindu V R, School of Computer Sciences	A one day ISTE e-Workshop on “Creative Teaching” at School of Computer Sciences, October 2013.	Workshop
Ms. Anuj Mohamed School of Computer Sciences	UGC XII Plan Remedial Coaching Scheme for SC/ST/OBC(NCL) students of the School.	Workshop
School of Environmental Science	National Conference on heavy metals in the environment (HME 2013), November 28-29 Kottayam	National Conference

School of Gandhian Thought and Development Studies	ICHR Sponsored Two Day National Seminar on “Understanding the Tribal Life in India: Issues, Challenges and Alternate Approaches” on 10 th and 11 th of October 2013.	National Seminar
School of Gandhian Thought and Development Studies	National Workshop on “ Introduction to Research Methodology for Academic Research” sponsored by the UGC (February, 2014)	National Workshop
Dr. George Joseph(Director, SILT)	. IXth All India Human Rights Moot Court Competition from 20 th -22 nd February 2014	
Dr. George Joseph(Director, SILT)	Dr.Ambedkar Memorial Lecture delivered by Prof.(Dr.) K.N Chandrasekharan Pillai, Former Director, National Judicial Academy ,Bhopal on 12 th September 2013	
Dr. George Joseph(Director, SILT)	Dr. Ambedkar Memorial Lecture delivered by R.Venkat Remani, Senior Advocate, Supreme Court of Indi, Member Law Commission of India, on 18 th March 2014	
School of International Relations & Politics	Outreach Programme “Kerala vs Gujarat: Which Model is Right for India” in cooperation with the Rajya Sabha TV	
School of International Relations & Politics	South Asian Regional Conference on “Engaging South Asia: Challenges and Opportunities of New Diplomacy,” organised by KPS Menon Chair for Diplomatic Studies, School of International Relations and Politics, on 27-28 March 2014.	National Conference
School of International Relations & Politics	Symposium on “The Legacy of Nelson Mandela,” Nelson Mandela Day 2013, School of International Relations, and Politics, 10 December 2013	State Level Conference
School of International Relations & Politics	Panel discussion on the theme, “Kerala vs Gujarat: Which Model is Right for India” organised by the School of International Relations and Politics, Mahatma Gandhi University as part of Rajya Sabha TV’s regular	

	programme "India Interacts" on 11 September 2013	
School of International Relations & Politics	"Annual Lecture 2013" was held on 16 August 2013. Prof. WALTER RUSSELL MEAD delivered the Lecture on "India's Regional Role with Special Reference to Developments in Afghanistan and the New Leadership in Pakistan and China" on 16 August 2013	
School of International Relations & Politics	Prof. Adam Webb, Resident Professor of Political Science, Johns Hopkins University Hopkins Nanjing Centre, China delivered IR Special Lecture on the theme "Global Growth to 2050: Demographic Trends and World Order" on 5 September 2013.	
School of International Relations & Politics	The Human Rights Day 2013 has been commemorated by the School of International Relations and Politics (SIRP), MG University as "Nelson Mandela Day" today with a large number of African students in the campus sharing the heroic memories of the "Man of the Century" and the architect of modern South Africa	
School of Letters	Course on Research Methodology in Education from 12 th to 14 th August 2013	Workshop
School of Pure and Applied Physics	National seminar on 100 years of crystallography, 2013	National seminar
School of Pure and Applied Physics	Workshop on Developments in Crystallography, SPAP, 16-17, December 2014.	Workshop
School of Pure and Applied Physics	National seminar on photonics June 26 (2014)	National seminar
School of Pure and Applied Physics	International Conference on Plasma & Nanotechnology and 29th National Symposium on Plasma Science & Technology 8-11 Dec 2014 (PLASMA-2014)	International Conference
School of Pure and Applied Physics	INCULCATE SCIENCE PROPAGATION PROGRAM by Govt of Kerala , 27 Sep 2014	
School of Pure and Applied Physics	IYCr 2014, Kerala State Council for Science Technology and Environment, Govt. of Kerala.	

International & Inter University Centre For Nano Science & Nano Technology	International Conference on Advanced Polymeric Materials (ICAPM 2013) : 11-13 October 2013	International Conference
International & Inter University Centre For Nano Science & Nano Technology	Third Euro-India International Conference on Nanomedicine and Tissue Engineering (ICNT 2013) : 9-11 August 2013	International Conference
International & Inter University Centre For Nano Science & Nano Technology	Symposium on Nanoscience and Nanotechnology: Fundamentals and Recent Trends, Mahatma Gandhi University, Kottayam on 15th February 2013	
International & Inter University Centre For Nano Science & Nano Technology	One Day National Workshop on Advances in Nanoscience and Nanotechnology and Conferring Chair on Nanoscience and Nanotechnology to Dr. Ajayaghosh A., CSIR Outstanding Scientist, NIIST (CSIR), Trivandrum, March 23, 2013	Workshop
International & Inter University Centre For Nano Science & Nano Technology	Two Day National Workshop on Computational Nanomedicine (CNM 2013), November 13-14, 2013	Workshop
Advanced Centre of Environmental Studies & Sustainable Development (ACESSD)	International conference on membranes (ICM-2013), October 3-6, 2013, Kottayam	International conference
Advanced Centre of Environmental Studies & Sustainable Development (ACESSD)	Seminar on conservation of Western Ghats, School of Environmental Sciences, Mahatma Gandhi University, Kottayam, Kerala, 16 th December 2013	Seminar
Inter University Centre for Social Science Research and Extension(IUCSSRE)	Political Participation and Women's Development	
Inter University Centre for Social Science Research and Extension(IUCSSRE)	Three Day Workshop on Development and Panchayath Programmes (SCP & TSP) 5th , 6th & 7th – November 2014, Venue: T M A M Research Centre, Manganam , Kottayam	Workshop

Inter University Centre for Social Science Research and Extension(IUCSSRE)	Three day workshop on social justice and women/ panchayath jagratha samithies in December 2014.	Workshop
Institute For Intensive Research In Basic Sciences(IIRBS)	Lecture series on "Liquid Chromatography", 9 th - 18 th December 2013.	
Institute For Intensive Research In Basic Sciences(IIRBS)	Workshop on High Performance Liquid Chromatography (HPLC), 4 th & 5 th November 2013.	Workshop
Institute For Intensive Research In Basic Sciences(IIRBS)	Lecture on "High Performance Liquid chromatography(HPLC),4 th - 12 th November 2013.	
Institute For Intensive Research In Basic Sciences(IIRBS)	Workshop on High Performance Liquid Chromatography (HPLC), 30 th April – 2 nd May 2013.	Workshop
K N Raj Study Centre For Planning And Centre – State Financial Relations	International Conference on Advanced Polymeric Materials (ICAPM 2013) : 11-13 October 2013	International Conference
K N Raj Study Centre For Planning And Centre – State Financial Relations	Third Euro-India International Conference on Nanomedicine and Tissue Engineering (ICNT 2013) : 9-11 August 2013	International Conference
K N Raj Study Centre For Planning And Centre – State Financial Relations	Symposium on Nanoscience and Nanotechnology: Fundamentals and Recent Trends, Mahatma Gandhi University, Kottayam on 15th February 2013.	
K N Raj Study Centre For Planning And Centre – State Financial Relations	One Day National Workshop on Advances in Nanoscience and Nanotechnology and Conferring Chair on Nanoscience and Nanotechnology to Dr. Ajayaghosh A., CSIR Outstanding Scientist, NIIST (CSIR), Trivandrum, March 23, 2013	National Workshop
K N Raj Study Centre For Planning And Centre – State Financial Relations	Two Day National Workshop on Computational Nanomedicine (CNM 2013), November 13-14, 2013	National Workshop
Advanced Molecular Materials Research	Seminar on Current trends in Material Sciences conducted by AMMRC on 15-11-2013	Seminar

Centre (AMMRC)		
Inter University Instrumentation Centre	DST-Purse sponsored two days 'National workshop on Mass spectrometry' was conducted at School of Chemical Sciences auditorium on Sept. 5-6, 2013.	Workshop
Inter University Instrumentation Centre	National Seminar on Recent Advances in Photochemistry (NSPC 2013) during December 5-6 - 2013 at the Department of Chemistry, St. Michael's College, Cherthala, in collaboration with St. Michael's College Cherthala	National Seminar
Inter University Instrumentation Centre	International conference on Mass spectrometry ICMS - 2013 during Sept. 6-9, 2013.	International conference
Inter University Instrumentation Centre	3 day National colloquium/workshop on 'Mass Spectrometry: Fundamentals, Biological and Environmental Applications' on August 29- 31, 2014	National workshop
Institute of Nursing Education Gandhinagar	State level work shop on research methodology and SPSS held on 2/5/2014 to 3/5/2014	Workshop

*International/National seminar/conference/workshop

b. No of faculty served as expert, chairpersons or resource persons

SCHOOL OF BEHAVIOURAL SCIENCES

Faculty

Programmes associated

Dr. Razeena Padmam

:

1. Resource Person - Workshop on "GFATM- Project Experience" from 10.6.2013 to 13.6.2013 organized Tata Institute of Social Services Mumbai'.
2. Stress Management' Paper presented in the workshop "Capacity Building for women managers in higher education organized by St. Thomas College, Kozhencherry on 28.2.2013 as Resource person

Prof. (Dr.) P.S Sukumaran :

1. Resource person, Discussion on Analysing Data of the Inclusive Education project, DIET, Thiruvalla ,15.3.2014.
2. Resource person, 'Curriculum Workshop for Individuals with Mental Retardation", Organized by State Resource Centre, Trivandrum. 19.03.2014.
3. Resource Person, Seminar on Special Education' organized by Special Education Association, Calicut, 22.3.2014

Dr. Baburaj P.T :

1. Resource person - In the one day inservice training programme for the teachers on various aspects of CCF and for the effective school management and leadership programme at Bakervidyapeedh Sr. Secondary School, Kottayam on 25.05.2013.

Dr. N Rajeev Kumar :

1. Participated and chaired two scientific sessions in the International Conference on Research Methodology and scientific writing organized by School of Behavioural Sciences and confederation of Epidemiological Associations held on 21st and 22nd December 2013.
2. Resource Person SCERT VHSE Curriculum Workshop, Thiruvananthapuram
3. Workshop and Rehabilitation of IWMR, SRC, Kozhikode 23.05.2014.

SCHOOL OF BIO-SCIENCES

Faculty

Programmes associated

Dr.Jyothis Mathew :

1. President, Alumni Association, School of Biosciences, Mahatma Gandhi University
2. Chairman,Board of Studies (UG) in Microbiology Mahatma Gandhi University, Kottayam
3. Chairman,Board of Studies (PG) in Microbiology Mahatma Gandhi University, Kottayam
4. Member, Core Committee in Biosciences, Mahatma Gandhi

University, Kottayam

5. Member, Executive committee for Inter University Centre for Biosciences, Kannur University

Dr. J G Ray

:

1. Inaugural Address 'Meaning of Environment in the Modern Life', World Environment Day Celebrations, 5th June 2014, Good Shepherd Public School, Thengana
2. Inaugural Address and Invited Lecture as Chief Guest in 'Bioradiance' – one day Seminar on 4th May 2013
3. Chairman, Postgraduate Board of Studies in Botany
4. Chairman, Postgraduate Board of Studies in Biosciences
5. Convener, Committee for Credit and Semester System, MG University
6. Member, Executive Council, Institute of Intensive Research in Basic Sciences
7. Coordinator, NIPST

Dr. Keerthi T.R

:

1. Inaugural Address 'Meaning of Environment in the Modern Life', World Environment Day Celebrations, 5th June 2014, Good Shepherd Public School, Thengana
2. Inaugural Address and Invited Lecture as Chief Guest in 'Bioradiance' – one day Seminar on 4th May 201
3. Chairman, Postgraduate Board of Studies in Botany
4. Chairman, Postgraduate Board of Studies in Biosciences
5. Convener, Committee for Credit and Semester System, MG University

DR. JAYACHANDRAN
K

:

1. Member, Expert committee, UG board of Biotechnology
2. Member, Expert committee, PG board of Biotechnology
3. Member, Board of studies in Biosciences, M.G. University
4. Member, Board of Adjudicators, PhD Thesis evaluation CUSAT

Resmi.S.S

1. Board of Question paper setters for B Sc Biophysics (Non semester 2005 & 2008 Admission) Examination 2013, Chairman
2. Board of Question paper setters for I & III semester M Sc Biotechnology Examination 2013, Member

3. Board of Question paper setters for II, IV, VI B Sc Biophysics (CC) Examination 2013, Chairman
4. Board of Question paper setters for B Sc Biophysics (2005 & 2008 Admission) Examination 2013, Chairman

SCHOOL OF CHEMICAL SCIENCES

Faculty

Programmes associated

Prof. (Dr.) R. Vijayakumar

- :
1. MG UTY Campus Networking: UGC XI Plan : UTY Project : On going
 2. Data Storage Project (Expert member ,MG UTY) : UGC XI Plan : UTY project On going
 3. University E-Governance XII Plan : UTY project (Expert member ,MG UTY) Kerala State Government On going
 4. E- Learning – University project : High Level Implementation committee – Syndicate Member Nominee and Chairman Technical committee : On Going
 5. CETEX -- Co-ordinator – University
 6. University IQAC Co-ordinator
 7. University NAAC Chairman
 8. Director College Development Council : 06-11-2013 On wards
 9. Member Planning Board Mahatma Gandhi University : 2014 onwards
 10. Joint coordinator SAPINCE -'14 International Conference on “ Security and Authentication “ -- SNGC of Engg , Kadayiruppu, Kolencherry, Ernakulam.(27 and 28 th March 2014)
 11. SB College (Autonomous College – UGC) –Governing Body Member –University Nomination
 12. Joint co-ordinator SAPINCE -'14 International Conference on “ Security and Authentication “ -- SNGC of Engg , Kadayiruppu, Kolencherry, Ernakulam.(27 and 28 th March 2014)
 13. Governing Body Member – SB College (Autonomous College – UGC) –University Nomination

Sl. No.	Colleges /Institutes	Details
1	Devamatha College, Kuravilangad	National Seminar on “ SAHITYA VIBHAGAL” - Inaugural address - 02-01 2014
2	Assumption College, Changanassery	National conference on Advances in Mathematics Inaugural address - 17-01 2014
3	B K College , Amalagiri .	Valedictory address - 17-01-2014 Physical education
4	B K College , Amalagiri .	Valedictory address - 14-02-2014 National Seminar on “New Trends in Graph Theory”
5	Assumption College, Changanassery	NACC pear team Meeting - UTY nominee-
6	S H College,Tevara Ernakulum	College Verification for “ College for Potential of Excellence (CPE) - UGC ---Verification 01-03-2014
7	Malabar college of Engg , Shornoor	Inaugural Address : Trends in Networking 06-03-2014
8	SNGC of Engg , Kadayirippu, Kolencherry ,	SAPINCE -'14 International Conference on “ Security and Authentication “ Inaugural Address -27-03-2014
9	CUSAT , Cochin	29-04-2014 :- Ph D Dissertation - Evaluation Chairman

- Ms. Bindu V.R.** :
1. Chairperson, Board of Studies Computer Science (PG) of School Of computer Sciences.
 2. Member, Board of Studies in Computer Science (PG) University of Kerala, Thiruvananthapuram.
 3. Member, Expert Committee for framing the syllabus of Dual-Integrated MCA Courses in Affiliated Colleges of Mahatma Gandhi University.
 4. Member of organising committee, Interface 2013 a National level IT Fest organized by the School in association with Computer Science Students' Association of the School.
 5. Faculty co-ordinator of Cultural programmes in association with Interface 2013.
 6. Professional Member - ACM (Association for Computing Machinery)
 7. External Examiner for MSc Project Evaluation and Viva-voce, M Sc Computer Science, University of Kerala, Thiruvananthapuram
 8. Project Guide(Internal) for the major project done at Department of Computational Biology and Bioinformatics, University of Kerala, Thiruvanthapuram, of students (M.Sc,Computer Science) of the School.
 9. Member of organising committee, Interface 2013 a National

level IT Fest organized by the School in association with Computer Science Students' Association of the School.

10. Placement Co-ordinator of the School

**Ms. Pushpalatha
K.P**

- :
1. Member Board Of Studies Computer Science (PG) of School Of computer Sciences.
 2. Member , Permanent Cell to combat sexual harassment in the University.
 3. Co-ordinator of Interface 2013, 2-days National Technical Meet conducted by the School in association with Computer Science Students Association in Dec,2013.
 4. Project Guide(Internal) for the major project done at CDIT Thiruvanthapuram, of students(M.Sc,Computer Science) of the School.
 5. Project Guide(Internal) for the major project done at CDAC, Cochin, of students(M.Sc,Computer Science) of the School.

Ms. Anuj Mohamed

- :
1. Faculty Co-ordinator, UGC XIIth Plan Remedial Coaching Scheme for SC/ST/OBC.
 2. Member - Board of Studies Computer Science (PG) of School Of computer Sciences.
 3. Faculty Editor – IT Glimpse, Annual Technical Publication of the School
 4. Served as Question paper setter for BSc Computer Science Examination, University of Kerala
 5. Member, Expert Committee for framing the syllabus of Dual-Integrated MCA Courses in Affiliated Colleges of Mahatma Gandhi University
 6. Project Guide(Internal) for the major project done at CDAC, Cochin, of students (M.Sc,Computer Science) of the School
 7. Professional Member – ACM (Association for Computing Machinery)
 8. MCA Project Evaluator, Indira Gandhi National Open University (IGNOU), Regional Centre, Cochin
 9. Member of organising committee, Interface 2013 a National

level IT Fest organized by the School in association with Computer Science Students' Association of the School.

SCHOOL OF ENVIRONMENTAL SCIENCE

Faculty	Programmes associated
Dr. C.T. Aravindakumar	<ol style="list-style-type: none">1. Resource Person in the Advanced Oxidation processes for the degradation of emerging pollutants: Opportunities and challenges, International Conference on Advances in Environmental and Biotechnology, Jan.4-5, 2014, Bangkok, Thailand2. Chair Person in the Second international conference on membranes October 3-6, 2013), Kottayam.3. Resource Person & Chairperson in the <i>International Conference on Frontiers of Mass Spectrometry</i> (September 6-9, 2013), Kottayam <p>Chair Person in the 23rd Swadeshi Science Congress (<i>November 6-8, 2013</i>), Kottayam</p>
Dr. E.V. Ramasamy	<ol style="list-style-type: none">1. Resource Person and delivered an invited talk on '<i>Waste Management : Lessons from the past and future trends</i> , at the National conference on 'Indian Environmental Issues : Lessons from History' Organized by St. Teresa's College, Ernakulam, 25-26 November, 2013.)2. Chaired a technical session in National Conference on Heavy Metals in the Environment (HME - 2013), November 28-29, 2013, at School of Environmental Sciences, MGU, Kottayam,3. Resource Person and delivered an invited talk on '<i>Emerging trends in solid waste management</i>' at the national conference on 'Municipal Solid waste Management & its Impact on Ecosystems' at Assumption College ,Changanaserry, December 4 & 5, 2013.4. Expert for the technical evaluation of the research papers submitted for the 26th Kerala Science Congress in December 2013.

5.Selection committee member in an interview conducted at Periyar Tiger Conservation Foundation, **Periyar Tiger Reserve**, Thekkady for the appointment of Ecologist and Nature Education Officer, on January, 02, 2014.

Dr. Mahesh Mohan

1. Resource person for Department Day lecture: Department of Chemistry, BCM college. 2013

Dr. Sylas V.P.

1. Resource Person of National Seminar on Environmental Conservation for Sustainable Living. organised by Deva Matha College, Kuravilangad, Kottayam (2013).
2. Resource Person of Regional Seminar on Challenges to Sustainable Development and Environmental Protection by Sree Narayana Gurukulam Engineering College, Kolenchery, Eranakulam.
3. Co-ordinator, Dr. R. Satheesh Memorial Lecture (Annual Lecture series) - 2013 at SES, M.G. University, Kottayam
4. Co-ordinator of National Science Day celebrations at the University with the support of KSCSTE, Govt. of Kerala

SCHOOL OF INDIAN LEGAL THOUGHT

Faculty

1. **Dr. George Joseph**
advocacy Skills

Programmes associated

1. **Chaired Session** National Workshop on Human Rights

Development – Policies and Strategies, organized by Department of Law, University of Kerala, Trivandrum, from 22-24 January, 2014.

2. **Resource Person-** International Law Conference on Contemporary issues in International Commercial Arbitration organized by CMR, Law School Bangalore, 22-24th Feb. 2013

Dr.M C Pramodan

1. National Seminar on Legal Regime of Cyber Space- August 2013 - Dayanand College of Law, Latur

2. Role of Universities in Developing Human Rights Advocacy Skills - December 2013- Department of Law, University of Kerala
3. Human Rights Issues in Criminal Justice Administration - January 2014 - School of Legal Studies, Kannur University.

Dr. Sheeba Pillai

1. Coordinator in the 9th All India moot Court Competition held in School of Indian Legal Thought from 20th to 22nd Feb, 2014
2. Member, Board of Studies
3. Returning Officer, Election to the Law dept Student's Union 2013-2014
4. Chairperson, Board of Examiners for the Centralised Bundling Camp for Ist, IIrd, Vth BBALL.B and IInd, IV, Vith Sem LL.B(3Yr) Examination, Nov, 2013
5. Moderator for a session on 'Social Media and its impact on Free Speech' on 28th Feb, 2014 at the National conference on the Changing Role of the Media in India : Constitutional perspectives held at School of Law, Christ University, Feb 28th to March 1st, 2014.

Dr. Jasmine Alex

1. **Resource Person-** On 'Legal issues in Working of Right to Education Act' in the Workshop on Working of the Right of Children for Free and Compulsory Education Act, 2009 held on 20th March 2014
2. **Resource Person** In the National Seminar on Educated Women: A Potential Human Resource for Economic Development held at Alphonso College, Pala on 18th February 2014
3. **Resource Person** On 'Child Rights: Related Laws, Enforcement and Responsibilities' in the one day sensitisation programme on child rights organised by District Legal Services Authority, Kottayam, Kerala Social Justice Department and Kerala State Commission for Protection of Child Rights on 6th Feb 2014 at District Panchayat Hall, Kottayam

4.Chairperson, Anti Harassment Cell Constituted for M. G. University as per *Visakha* Guidelines.

5.Chairperson, Board of Examiners for the Centralised Bundling Camp for Ist ,IIRD ,Vth BBALL.B and IInd, IV, Vith Sem LL.B(3Yr) Examination ,Nov,2013

6.Moderator for a session on 'Social Media and its impact on Free Speech 'on 28th Feb,2014 at the National conference on the Changing Role of the Media in India :Constitutional perspectives held at School of Law, Christ University, Feb 28th to March 1st,2014.

7.Coordinator, 9th All India moot Court Competition held in School of Indian Legal Thought from 20th to 22nd Feb,2014

8.Member of Board of Studies, School of Indian Legal Thought.

9.Member of Board of Studies(UG), Mahatma Gandhi University.

10.Member, Anti-Ragging Committee constituted for School of Indian Legal Thought

SCHOOL OF MANAGEMENT AND BUSINESS STUDIES

Faculty	Programmes associated
Dr Johney Johnson	Served as resource person refresher courses at the UGC ASC of University of Kerala,University of Calicut and Kannur University.
Dr. Santhosh. P. Thampi	Served as resource person for refresher courses at the UGC ASC of Bharathiyar University.

SCHOOL OF INDIAN LEGAL THOUGHT

Faculty

Programmes associated

Dr. George Joseph :

1. **Chaired Session-** National Workshop on Human Rights Advocacy Skills Development – Policies and Strategies, organized by Department of Law, University of Kerala, Trivandrum, from 22-24 January,2014.
2. **Resource Person-** International Law Conference on Contemporary issues in International Commercial Arbitration organized by CMR, Law School Bangalore, 22-24th Feb.2013

Dr.M C Pramodan :

1. National Seminar on Legal Regime of Cyber Space organized by Dayanand College of Law, Latur (August 2013)
2. Role of Universities in Developing Human Rights Advocacy Skills organized by Department of Law, University of Kerala (December 2013)
3. Human Rights Issues in Criminal Justice Administration organized by School of Legal Studies, Kannur University (January 2014)

Dr.Sheeba Pillai :

1. Coordinator in the 9th All India moot Court Competition held in School of Indian Legal Thought from 20th to 22nd Feb,2014
2. Member, Board of Studies
2. Returning Officer, Election to the Law dept Student's Union 2013-2014

3. Chairperson, Board of Examiners for the Centralised Bundling Camp for Ist, IIIrd , Vth BBALL.B and IInd, IV, Vith Sem LL.B(3Yr) Examination ,Nov,2013
4. Moderator for a session on 'Social Media and its impact on Free Speech 'on 28th Feb,2014 at the National conference on the Changing Role of the Media in India :Constitutional perspectives held at School of Law, Christ University, Feb 28th to March 1st,2014.

Dr. Jasmine Alex :

1. **Resource Person** On 'Legal issues in Working of Right to Education Act' in the Workshop on Working of the Right of Children for Free and Compulsory Education Act, 2009 held on 20th March 2014
2. **Resource Person** In the National Seminar on Educated Women: A Potential Human Resource for Economic Development held at Alphonsa College, Pala on 18th February 2014
3. **Resource Person** On 'Child Rights: Related Laws, Enforcement and Responsibilities' in the one day sensitisation programme on child rights organised by District Legal Services Authority, Kottayam, Kerala Social Justice Department and Kerala State Commission for Protection of Child Rights on 6th Feb 2014 at District Panchayat Hall, Kottayam
4. Chairperson, Anti Harassment Cell Constituted for M. G. University as per *Visakha* Guidelines
5. Chairperson, Board of Examiners for the Centralised Bundling Camp for Ist ,IIIrd ,Vth BBALL.B and IInd, IV, Vith Sem LL.B (3Yr) Examination ,Nov,2013
6. Moderator for a session on 'Social Media and its impact on Free Speech 'on 28th Feb,2014 at the National conference on the Changing Role of the Media in India :Constitutional perspectives held at School of Law, Christ University, Feb 28th to March 1st,2014.
7. Coordinator, 9th All India moot Court Competition held in School of Indian Legal Thought from 20th to 22nd Feb,2014
8. Member of Board of Studies, School of Indian Legal Thought.

9. Member of Board of Studies(UG), Mahatma Gandhi University.
10. Member, Anti-Ragging Committee constituted for School of Indian Legal Thought

SCHOOL OF LETTERS

Faculty	Programmes associated
Dr. P S Radhakrishnan	<ol style="list-style-type: none"> 1. Resource person: Lecture on Theory in Translation - 2. Translation Studies - UGC, Academic Staff College, University of Kerala 3. Resource person: lecture on Cinema and Society - Refresher Course for Malayalam - UGC, Academic Staff College, University of Kerala 4. Member, Board of Studies, Dept. of Comparative Studies, Sreesankaracharya University of Sanskrit, Kalady 5. Member, Board of Studies, Malayalam Sarvakalashala, Thirur 6. External expert for Doctoral Committee at Kerala University, , S.S. U.S, Kalady 7. Resource person for various workshops, Seminars etc
Dr. K M Krishnan	<ol style="list-style-type: none"> 1) Joint coordinator offered felicitations and chaired a session at Seminar on “Event, Memory and Literature: Trauma Narratives of the indian Subcontinent at St Thomas College, Kozhencherry, 5, 6 September, 2013. 2) Coordinator of “National Seminar on Comparative Literature” in connection with the retirement of Prof. P P Raveendran 25, 26 and 27 March 2014.
Dr. Saji Mathew	<ol style="list-style-type: none"> 1. Resource person in the National seminar on “Culture and Gender: A Postmodern Theoretical Interface” organized by the Postgraduate Department and Centre for Research in English, Baselius College, Kottayam from 17 – 18 December, 2014

Dr. Harikumar S.

- a. Cultural co-ordinator of Mahatma Gandhi University, conducted Drama Fest on 13th March 2014 at St Thomas College, Ranni.
- b. Conducted Mahatma Gandhi University Youth Festival on 23rd to 27th April 2014 at Ernakulam
- c. Served as Contingent Leader of Mahatma Gandhi University team in South Zone Inter University Youth Festival at Bangalore University, Bangalore from 18th to 23rd December 2013
- d. Functioned as Contingent Leader of M.G. University team in National Inter University Youth Festival at Kurukshethra University, Kurukshethra from 18th to 22nd December 2013

SCHOOL OF PEDAGOGICAL SCIENCES

Faculty

Programmes associated

Dr. Celine Pereira

1. Resource Person in the International **Workshop** on Teachers Capacity Enhancement held on 6-10 May 2013 organized by Mitranikethan, Vellanad, Trivandrum and Association for World Education, Denmark.
2. Resource Person in the **International Seminar** on Revising Swami Vivekananda's Vision' for facing the Nrw Educational Challenges held on 5-7 Sep 2013 organized by Kerala Gandhi Smaraka Nidhi and Dr. K. Sivadasan Pillai Foundation for Educational Research and Development. Paper: Women Empowerment in Teacher Education Curriculum Kerala State,; An Analysis Based on Vivekananda's Philosophy.
3. Resource Person in the **National Seminar** on Best Practices in Education for 21st Century organized by Fathima Memorial Training College, Kollam held on 10-11 Dec. 2013.
4. Resource Person in the International Seminar on Challenges in Teaching and Learning of Faculty Development Programme held on 15-17 Aug.2013 organized by Dept of Indian Studies, University of Malaya held at University of Malaya , Kuala

Lumpur, Paper: Comparison of Resilience Skills of Various Subsamples of Teacher Trainees of Kerala.

5. Resource Person in the **National Seminar** on positive psychology on 23-24 Jan 2014 held in NSS Training College Changanacherry.

Dr. Jaya Jaise

1. Presented the paper "Ushering in a Better Tomorrow through Peace Education" in the International seminar 'Revisiting Swami Vivekananda's Vision for Facing the New Educational Challenges' organised by Kerala Gandhi Smarak Nidhi, Thiruvananthapuram, & Dr. K. Sivadasan Pillai Foundation for Educational Research and Development (SPFERD) from 5th to 7th September 2013.

2. Presented the paper "From Darkness to Light: Sexuality Education to Safeguard against Child Sexual Abuse" in the NACC sponsored National Seminar "Best Practices in Education for 21st Century" organised by Fathima Memorial Training College, Kollam on 10th & 11th December 2013.

3. Presented the paper "Importance of inculcating Non-verbal immediacy in Teacher Educands for fostering E(A)ffective Communication in Classrooms" in the National Seminar "Grooming prospective Teachers" College of Education Lakshadweep, Calicut University Centre, Kavaratti on 5th & 6th March 2014.

Dr. Minikutty A

1. Acted as a Resource Person in the UGC two days National Seminar on "Reflective Practice: A Tool for professional Development of Teachers" conducted at St. Joseph's Training College, Mannanam on 16th & 17th August 2013

Dr. K.P. Suresh

1. Resource Person in the 12th State Convention of Council for Teacher Education (CTE) Kerala State Centre & International Seminar on INSTITUTIONAL INTERVEENTIONS TO BRIDGE COMPETENCY GULF IN AN e-WORLD (IIBGeW) Hosted & Organized by N.S.S. Training College, Pandalam, Pathanamthitta, Kerala . In collaboration with Council for Teacher Education (CTE) Kerala State.

Dr. P.J. Jacob

1. Served as resource person for the UGC Sponsored National Seminar on positive schooling through positive teacher Education:

Traversing classroom discourses and strategies. held at NSS Training College .Pandalam on 5, 6,and 7 Sep 2013

2.Serves as Director of research, mahatma Gandhi University

3. Serving as P.G Board and UG Board (Education)member of Kannur University and P.G Board member of mahatma Gandhi university

Dr. T.V. Thulasidharan

Serving as PG Board (Education) Chairman of Mahatma Gandhi University

Dr. Sajna Jaleel

PG BOARD ANS UG BOARD (EDUCATION)MEMBER OF MAHATMA GANDHI UNIVERSITY FROM 2014

Dr. P. Jayasree

PG BOARD (EDUCATION) MEMBER OF MAHATMA GANDHI UNIVERSITY FROM 2014

SCHOOL OF SOCIAL SCIENCES

Faculty

Programmes associated

Dr. Rajesh Komath

Coordinated UGC Sponsored Remedial Coaching Scheme for 'SC/ST/OBC/Minorities and other Poor Students' at School of Social Sciences, Mahatma Gandhi University, 2014.

Chaired the '**Third Annual International Kerala History Conference**' organized by the Department of History CMS college , Kottayam in association with Kerala State Higher Education Council and SPCS held on 27th November 2015.

Coordinator, Join Coordinator and Principal Coordinator -

1. Dr. K. R. Narayanan Chair for Human Rights and Social Justice, Mahatma Gandhi University, Kottayam.
2. ABILITY Project, School of Social Sciences, MG University.
3. Archives sans Borders, School of Social Sciences, MG University

SCHOOL OF TOURISM STUDIES

Faculty	Programmes associated
Dr. ROBINET JACOB	<ol style="list-style-type: none">1. Member, Board of Studies, Travel & Tourism, Calicut University (2013-16)2. Convenor, Expert Committee (U.G) for Tourism Studies, M.G University (2013-16)3. Member, Board of Studies, Travel and Tourism, Kannur University.(2013-16)4. Member, Board of Studies in Tourism, Avinashilingam University, Coimbatore (2013-15)5. Convener, Expert Committee (P.G) for Tourism Studies, M.G University (2012-15)6. Chairman, Board of Studies, School of Tourism Studies, M.G University (2010-13)7. Member, Board of Studies, Tourism and Travel Management, Kuvempu University, Shimoga, Karnataka (2010-13)8. Scrutiny of Question Papers of MTA examination, April 2013, Kerala University held on 29/10/2013.9. Question Paper setter/ Examiner I Sem. Career related B Com CBCSS exam. (Tourism), November 2013, Kerala University.10. Question Paper setter/ Examiner III Semester MBA (Tourism), November 2013, Pondicherry University.11. Question Paper setter for Kerala Public Service Commission, January 2014.12. Question Paper setter/ Examiner IV Semester MBA (Tourism), February 2014, Pondicherry University.13. Question Paper setter/ Examiner II Sem. Career related B Com CBCSS exam. (Tourism), April 2014, Kerala University.14. Question Paper setter/ Examiner II Semester MBA (Tourism), April 2014, Pondicherry University.15. Question Paper setter/ Examiner IV Sem. Career related B Com CBCSS exam. (Tourism), April 2014, Kerala University.16. Curriculum revision workshop for U.G & P.G programmes in Travel and Tourism Management,

Kannur University held at Kannur University Campus, Mangattuparamba, Kannur, 27, 28 December 2013.

17. Delivered a Special Lecture on “Cultural Differences in Tourism” at Pazhassi Raja College, Pulpally, 21st March 2014

INTER UNIVERSITY CENTRE FOR SOCIAL SCIENCE , RESEARCH AND EXTENSION

Faculty

Programmes associated

Dr. Sanal Mohan

1. Caste, Social Movements and the Question of Progress: Towards an understanding of dalit movements January 20,2014 Plenary Address in the National Conference Organized by ICPR and TISS Mumbai , January 20-21,2014 at TISS Mumbai.
2. Invited Faculties in the Cultural Studies workshop,organized by CSSS Calcutta and ICSSR, New Delhi held at Santinikethan 2014.

3.13 Details of collaborations

Faculty/Coordinator of the program	Collaborating Institution	Type of collaboration	Other details*
SCHOOL OF BEHAVIOURAL SCIENCE	<ol style="list-style-type: none"> 1. NIMHANS Bangalore, 2. NIMH,Hyderabad, 3. NISH,Thiruvananthapuram 4. AIISH,Mysore 	Academic collaboration	
SCHOOL OF COMPUTER SCIENCE	<ol style="list-style-type: none"> 1. CDAC, Thiruvananthapuram 2. C-DIT, Thiruvananthapuram 3. Department of Computational Biology,University of Kerala, Thiruvananthapuram 4. Hages Business Solutions Pvt. Ltd., Technopark, Thiruvananthapuram 5. Liquid Propulsion System Center, Valiamala, TVM 6. Federal Institute of Science and 	Academic collaboration	

	<p>Technology, Angamaly</p> <ol style="list-style-type: none"> 7. Focus InfoTech, Cochin 8. NeST Cyber Campus, Aluva 9. Cochin University of Science and Technology, Cochin 10. Keltron, Thiruvananthapuram 		
SCHOOL OF ENVIRONMENTAL SCIENCE	<ol style="list-style-type: none"> 1. Brown University, USA 2. Plymouth State University, USA 3. Duke University USA 4. University of Paris (East), France 5. California Institute of Technology, USA 6. Bhabha Atomic Research Centre, Mumbai 		
SCHOOL OF INTERNATIONAL RELATIONS AND POLITICS	<ol style="list-style-type: none"> 7. Institute of Political Studies (IEP) of Rennes, France 8. Sciences Po Bordeaux (IEP), FRANCE 9. Institute of Chindian Studies, Jinan University, China 	Academic collaboration	
SCHOOL OF PURE AND APPLIED PHYSICS	<ol style="list-style-type: none"> 1. Dr C P Anilkumar, I I G, Tirunelveli, TamilNadu 2. Raman Research Institute, Bangalore. 3. Bhabha Atomic Research Centre (BARC), Mumbai 4. Center for Materials for Electronics Technology, Thrissur 5. Inter University Center for Astronomy & Astrophysics -Pune 6. Institute of microbial Technology chandigarh. 7. Raman Research Institute, Bangalore, India 8. Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India 9. UGC-DAE Consortium for Scientific Research-Kolkata Centre, 10. Inter University Accelerator Centre, New Delhi, India 11. I I T Chennai 		

	<ol style="list-style-type: none"> 12. Institute of Material Science, University of Leeds, UK. 13. SulthanQaboos University, Muscat 14. Instituto de Optika, CSIC, Madrid, Spain. 15. City University of Hong Kong, Hong Kong. Walter Sisulu University, South Africa 16. Jožef Stefan Institute, Ljubjana, Slovenia 17. Trent University, Canada 		
SCHOOL OF TOURISM STUDIES	<ol style="list-style-type: none"> 1. Dolphin Line Shipping LLC, Dubai 2. Anna Holidays, Kottayam 3. URO GULF, Cochin 4. Keralatravels.com, Cochin 5. Cholan Tours Pvt. Ltd ,Cochin 6. Air Travel Enterprises 7. Marvel Tours Cochin 8. Vacation Kerala ,Cochin-Tour Executive 9. TUI Travel PLC ,Cochin 10. Intersight Tours & Travels ,Cochin 11. Kerala Holidays .com ,Cochin 12. SDM Holidays Solution ,Bangalore 13. Riya Travels, Bangalore 14. Keralatravels. Com ,Cochin 15. Intersight Tours & Travels, Thiruvananthapuram 16. Le Passage To India ,Cochin 		
INTERNATIONAL AND INTER UNIVERSITY CENTRE FOR NANO SCIENCE AND NANO TECHNOLOGY	<ol style="list-style-type: none"> 1. 7. Bhabha Atomic Research Centre, Mumbai 2. 8. Raman Research Institute, Bangalore 3. 9. Jawaharlal Nehru Centre for Advanced Scientific Research,Bangalore 4. 0. UGC DAE CSR Kolkata Centre, Kolkata 5. 	NATIONAL	NATIONAL

	<p>1. Pushpagiri Research Centre Thiruvalla, Kerala</p> <p>6. 2. Saha Institute of Nuclear Physics, Kolkata</p> <p>7. 3. National Chemical Laboratory, Pune</p> <p>8. 4. Rubber Research Institute of India</p> <p>9. 5. Cochin University of Science and Technology, Cochin, Kerala</p> <p>10. 6. Centre for Materials for Electronics Technology Thrissur, Kerala</p> <p>11. entral Electrochemical Research Institute (CECRI), Karaikudi</p> <p>12. ndian Institute of Technology, Kharagpur</p> <p>13. anaras Hindu University</p> <p>14. ndian Institute of Space science and Technology, Trivandrum</p> <p>15. ndian Institute of Technology, Mumbai, Madras</p> <p>16. ndian Institute of Science , Bangalore</p>		
INTERNATIONAL AND INTER UNIVERSITY CENTRE	<p>Walter Sisulu University, South Africa</p> <p>Almighty Institute of power Engineering and Telecommunication</p>		

<p>FOR NANO SCIENCE AND NANO TECHNOLOGY</p>	<p>Deaken University, Australia UUniversity of Rouen Kansas State University, Manhattan, Kansas ,USA Siberian Federal University, Russian Freedom Laboratoire Des sciences Analytics, CNRS UMR, France University Lorraine, Nancy, France University of Pretoria, South Africa Changwon National University, Korea Cape Peninsula Uni of Tech South Africa Beijjing University of Chemical Technology China Technische Universitat Chemnitz Jermamy Martin Luther Universistat Halle Witenberg Germany 23 Institute of Polymer Research Germany CNRS Thiais France University of Paris 12, France University of Sud Brittany, France University of Free state South Africa University of Strassburg, France Jozef Stafan Institute Ljublijana Slovenic Universite Paris- Sud XI France National . University of Singapore, Singapore Leibniz Institue fur Katalyse e.V Rostock Germany LECAP . University of Rouen, France University of Lemans, France University of Rijeka, Craoatia</p>	<p>INTERNAT IONAL</p>	<p>INTERNATI ONAL</p>
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	<p>University of Orlea France</p> <p>MOUs signed with the following Industries:</p> <p>MRF</p> <p>Apollo Tyres</p> <p>Surface Treat, Czech Republic</p> <p>General Cables, USA</p>		
<p>ADVANCED CENTRE OF ENVIRONMENTAL STUDIES & SUSTAINABLE DEVELOPMENT</p>	<p>With Duke University, USA</p> <p>With Plymouth State University, USA</p>		<p>International</p>
<p>ADVANCED CENTRE OF ENVIRONMENTAL STUDIES & SUSTAINABLE DEVELOPMENT</p>	<p>With Shoolini University, Himachal Pradesh</p> <p>With Ecoscience Research Foundation, Chennai</p>		<p>National</p>
<p>INSTITUTE FOR INTENSIVE RESEARCH IN BASIC SCIENCES</p>	<p>University of California , Santa Cruz, USA</p> <p>Vanderbilt University, USA</p> <p>University of Texas in Airlingto, USA</p> <p>Functional Materials Division, Pusan National University, Busan, Korea</p> <p>University of Paris Sud, France.</p> <p>Johnson Matthey, New Jersey, USA</p>		<p>International</p>
<p>INSTITUTE FOR INTENSIVE RESEARCH IN BASIC</p>	<p>Dr. Anil J Elias, Professor, Department of Chemistry, Indian Institute of Technology, Delhi</p> <p>Dr. I. N. N. Namboothiri, Professor,</p>		

SCIENCES	Department of Chemistry, IIT Mumbai Dr.Radha V. Jayaram, Professor, ICT, Mumbai Dr. Manoj Ramavarma , NIIST, Trivandrum Dr.R.B Sunoj,Dept. of Chemistry, IIT Mumbai Dr.SavitaLadage, HBCSE, TIFR, Mumbai		National
Inter University Instrumentation Centre(IUIC)	Pohang university of Science & Technology, South Korea Department of Geology and Environment, University of Paris-Est Marne La Valee University, France. University of Paris (South), France Centre for Environmental Impact of Nanotechnology, Duke University, USA Bhabha Atomic Research Centre, Bombay National Centre for Ultrafast Process, Madras National Centre for Free Radical Research, Pune		
SCHOOL OF TECHNOLOGY AND APPLIED SCIENCES , PULARIKUNNU	Rubber Research Institute of India, Kottayam. CIPET, Cochin.		

*National/International/highlights of the programme

3.14 Linkages created

ADVANCED CENTRE OF ENVIRONMENTAL STUDIES AND SUSTAINABLE ENVIRONMENT

International

1. Pohang University of Science and Technology, Korea
2. Agriculture and Agri-Food Canada, Ottawa, Canada
3. Finnish Forest Research Institute, Finland
4. Lund University centre for sustainable studies, Sweden
5. Zuckerberg Institute for Water Research, Israel
6. Russian Academy of Sciences, Russia
7. *Duke University, USA*
8. University Technology Mara, Malaysia
9. Center for International Forestry Research, Indonesia
10. University of Gottingen, Germany.

National

1. Shoolini university, Solan, Himachal Pradesh
2. Indian Institute of Science, Bangalore, Karnataka
3. IIT Delhi
4. IIT Bombay
5. Karunya University, Coimbatore
6. IIT Delhi, India
7. CSMCRI, Gujarat
8. Ecoscience Research Foundation, Chennai

Regional

1. CUSAT, Cochin
2. Kerala Forest Research Institute, Peechi
3. C.M.S College, Kottayam
4. Rubber Research Institute of India

3.16 Details of patents

Patent number :

Patent name :

Contributors :

Photosensitizers and use thereof for generating hydrogen from water, S. Nordhoff, U. Dingerdissen, J. Busse, S. Hoch, M. Blug, H-W. Zanthoff, F. Gartner, D. Cozzula, S. Denurra, **A. Gopinathan**, S. Losse, H. Junge, S. Gladiali, M. Beller- **U.A.E Patent applied. 2013**

Photosensitizers and use thereof for generating hydrogen from water, S. Nordhoff, U. Dingerdissen, J. Busse, S. Hoch, M. Blug, H-W. Zanthoff, F. Gartner, D. Cozzula, S. Denurra, **A. Gopinathan**, S. Losse, H. Junge, S. Gladiali, M. Beller- **Indian Patent applied. 2013**

Photosensitizers and use thereof for generating hydrogen from water. N. Stefan, D. Uwe, B. Jens, H. Sascha, B. Matthias, Z. Horst-Werner, G. Felix, C. Daniela, D. Stefania, **G. Anilkumar**, L. Sebastian, J. Henrik, G. Serafino, B. Matthias World patent. **US 2014/0023582 A1.**

Biodegradable, Biocompatible Wound Healing Dressing Film and ointment from the Biocomposite of Marine Origin, Indian Patent application : 840/DEL/2013, **M. Kurup and Sabu Thomas.**

3.17 Details of research awards recognition received by the faculties and research fellows

Name	Designation	School	Details of awards/recognition
G. Akhil		ACESSD	Best paper award, Kerala Science Congress - 2014
G. Akhil		ACESSD	Best paper award, Fifth Asian conference on colloids and interfaces, Darjeeling - 2013
Prof. Sabu Thomas		Nano Science	Bronze Medal of Chemical Research Society (CRSI) of India, 2013
Prof. Sabu Thomas		Nano Science	Materials Research Society of India Award (MRSI), 2013
Robin Augustine	Research scholars	Nano Science	Best poster award in Bioradiance 2014 (National level seminar), organized by the Pushpagiri Research Centre, Tiruvalla, Kerala. India on 3 rd May 2014.

Preetha Balakrishnan	Research scholars	Nano Science	Best Oral Presentation Award Fully Biodegradable Potato Starch Composites
<u>Dr.K.Sabukuttan</u>			Life time Achievement Award 2014 for promotion of yoga and Naturopathy from the Indian marital Arts Academy Thrissur Kerala.
<u>Dr.K.Sabukuttan</u>			Received certificate of appreciation for the invaluable lecture titled " <i>Problems of the Ageing mothers</i> " at the National seminar sponsored by the ICSSR, New Delhi on ageing grace fully a Multi -Disciplinary perspective" On 25 th November 2014 By school of Gandhian Thought and development studies - MG university.
<u>Dr.K.Sabukuttan</u>			Received Indira Gandhi NSS Award for the year 2013-2014 for the best NSS Programme Co-ordinator from the Hon'ble President of India Sri Pranab Kumar Mukherjee.
Dr. P S Radhakrishnan		School of Letters	National Film Award (2012) for the best film Critic
Dr. C.T. Aravindakumar		School Of Environmental Science	Selected as Visiting Professor (with full professor Status) at the University of Paris East (Marne-la-vallee), France
Dr.E.V.Ramasamy ,	Associate Professor	School Of Environmental Science	Invited as the member of the Technical committee of Suchitwa Mission, Local Self Government Department (LSGD), Govt. of Kerala - for evaluating indigenous models / technologies that can be adopted for source level treatment of Solid Waste by the Local Self Government Department (LSGD)- Suchitwa Mission on March 29, 2014.

Dr. Sylas V.P	School Of Environmental Science	selected to the Brown International Advanced Research Institute (BIARI), Brown University, USA for One month International Training programme
Mr. Robin Augustine (Supervising Guide Dr K Nandakumar)	spess	Best Oral award - International conference on Tissue Engineering and Regenerative medicine (ICAPM_2013), Organised by centre for excellence in tissue engineering, National Institute of Technology,Rourkela, Odisha, November 15-17 (2013)
Dr. Raneesh B (Ph. D studentSupervising Guide Dr K Nandakumar)		Second position in poster presentation. - second international conference on Optoelectronic materials and Thin films for Advanced Technology (OMTAT 2013), Cochin University of Science and Technology, Cochin, January 3-5, (2013).
Mr. Robin Augustine (Ph. D StudentSupervising Guide Dr K Nandakumar)		Obtained Second prize in poster presentation for –Effect of Zinc oxide nanoparticles on the fiber diameter and fiber morphology of electrospunpolycaprolactone, Second International Conference on Nanomaterials: Synthesis, Characterization and Application
Mr. Robin Augustine (Ph. D StudentSupervising Guide Dr K Nandakumar)		Best poster award.- Biomedicine 2014, National seminar organized by Pushpagiri Research centre, Tiruvalla, Kerala, May 3 rd , (2014).
Mr. Robin Augustine (Ph. D StudentSupervising		Best poster award - International Conference on membranes,

Guide Dr K Nandakumar)	organized by the Centre for Environment Education and Technology(CEET), Advanced Centre of Environmental studies and sustainable Development(ACESSD), Mahatma Gandhi University, Kottayam.
Dr ChanduVenugopal	UGC Emeritus Fellowship Award
Dr. Celine Pereira	School of Pedagogical Sciences Best Teacher Educator Award by Council of Teacher Education Kerala

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

SCHOOL OF BEHAVIOURAL SCIENCES NIL

SCHOOL OF BIOSCIENCES

The extension activities of the school are being organized by the Bioscience Forum, the organization of the students, teachers and staff of the school.

- Environmental day was celebrated on June 5th 2013
- A scientific session was arranged on November 19th 2013 in respect of Dr. Frederic Sanger, the two time Nobel Prize who passed away on November 2013
- Organised a group discussion and analysis on Gadgil report and Kasthurirangan report by Prof..Dr. JG Ray on 25 th November 2013
- Made a visit and spent one day at Navajeevan, the orphanage for mentally retarded people Arpookara Kottayam on 6th February 2013. And contributed an amount of Rs.14,000/-
- Organised Intercollegiate Quiz competition with 13 colleges on 10 th January 2014.
- Biofest 2014, Arcus 2014 was organised on 15 th January 2014

SCHOOL OF COMPUTER SCIENCES

- Interface 2014- an annual IT Meet (IT competitions) incorporating students in Computer Science and Technology from various Universities and Colleges in South India which became a social forums for information interchange in the field.
- The School was one of the nodes for the National e-Seminar “Steps 2Research with A-view video conferencing Facility in which affiliated college teachers and students participated

SCHOOL OF ENVIRONMENTAL SCIENCES

- **Erudite Scholar-in-Residence programme where 5 Nobel Laureates** have been visited the department. Another 10 scholars from different parts of the world have visited the department
- **Rainwater for Humanity**

The School has launched a major extension programme known as 'Rainwater for Humanity' in collaboration with Brown University (USA), local panchayath and self help groups (www.rainwaterforhumanity.org). Through this extension programme, the School envisages to adopt small villages with an objective of providing basic amenities like drinking water and sanitation. As a part of this programme the School has installed **1 community rainwater harvesting structure with a capacity of 1.1 lakh litres** and **12 ten thousand litre capacity** harvesting tanks at Achinakom village in Vechoor Grama Panchayath in Kuttanad region. A total of 56 families are getting drinking water through these tanks. Construction of additional rain water harvesting tanks are in progress.

- **Days of National and international significance** : The school has observed days of national and international significance in grand manner with financial support from external funding agencies. The following days have been observed at this school during 2013: (The photographs of some of these activities are attached separately)
- **The National Science Day (NSD) – 2013** was celebrated by arranging two sessions on February 27th 2013. **Dr. T.V. Sajeev**, Scientist, KFRI, Thrissur, delivered a talk on '**Genetically Modified Crops and Food Security – Issues and Prospects**'. The invited school children, teachers, M.Sc. and M.Phil students, Ph.D. scholars and faculty members from this School and other departments attended this session. In the afternoon session, students from the selected Schools were participated in science quiz and poster making competition. Prize has been distributed to the winners. The NSD programme was supported by Kerala State Council for Science Technology and Environment (KSCSTE) with Department of Science and Technology (DST), Govt. of India.
- **World Environment Day (WED) 2013** : The school celebrated the World Environment Day (WED) on June 05, 2013 in a befitting manner.
- **Dr. R. Satheesh Memorial Lecture**
The School organized Dr. R. Satheesh Memorial Lecture in commemoration of Late Dr. R. Satheesh, Reader (2000 - 2006) and the founder of Remote Sensing and

GIS Facility in the School. The memorial lecture was delivered by eminent Environmentalist, Dr. Ashish Kothari on 24th May 2013 at the School. The topic was Radical Ecological Democracy: Escaping India's Globalization trap. Students, Researchers, alumni of the School and faculty members were attended the programme.

This Lecture was attended by the alumni of the School besides the students, MPhil, PhD scholars and Faculty Members.

SCHOOL OF GANDHIAN THOUGHT AND DEVELOPMENTAL STUDIES

- Extension activities take place every weekend as part of compulsory field work of MA curriculum with the students visiting NGOs, Panchayats, Medical College etc

SCHOOL OF INDIAN LEGAL THOUGHT

- Conducted two day National Seminar, Dr.Ambedkar Memorial Annual Lecture

SCHOOL OF INTERNATIONAL RELATIONS & POLITICS

- The School conducted a few academic programmes in the fields of IR, Human Rights, Public Policy and Governance. The faculty of the School held classes in and outside the campus in the above areas. Some of the programmes were held in collaboration with colleges and non-governmental organisations.

SCHOOL OF MANAGEMENT AND BUSINESS STUDIES

- Blood Donation.Campus cleaning

SCHOOL OF PHYSICAL EDUCATION AND SPORTS SCIENCE

- Health check up for the University employees
- Sports Academy for school students

SCHOOL OF PURE AND APPLIED PHYSICS

- The School has conducted INSPIRE and INCULCATE programs in association with Government of Kerala for School children. The faculty members of the School also accommodates students of M.Sc. and M. Tech from affiliated institutions of Mahatma Gandhi University in particular, and other institutions within Kerala and other states. Faculty members also deliver invited talks on a regular basis in Colleges and Universities

SCHOOL OF SOCIAL SCIENCES

- To establish 'ABILITY', AN INTEGRAL ENABLING UNIT in the School of Social Sciences, Mahatma Gandhi University to address the differential academic requirements of physically challenged students and researchers (including hearing and visually impaired and persons with motor disabilities) of all teaching and research schools/departments of the Mahatma Gandhi University, and to the best extent possible, for students and teachers with disabilities of neighbouring colleges.
- To expand 'ABILITY' AS A RESOURCE-BUILDING, TRAINING AND DISSEMINATION INSTITUTION for physically challenged, especially visually impaired, students and researchers of humanities and social sciences across India, through training sessions, workshops, and camps, and by creating and sharing a substantive collection of audio-files of important texts of humanities and social sciences and by publishing ABILITY: AN AUDIO JOURNAL OF HUMANITIES AND SOCIAL SCIENCES RESEARCH.
- To develop the School of Social Sciences, Mahatma Gandhi University as a role-model institution of EQUAL ACCESS ACADEMIC ENVIRONMENT in higher education and research and as capable of assisting other institutions desirous of attaining this objective

SCHOOL OF TOURISM STUDIES

- Students in two groups undertook a project on "barrier free tourism in public destinations of Kerala" in collaboration with the local tourism/leisure industry suppliers which enabled the students and department to analyse the imperative needs of the differently abled in achieving their right to leisure. This was a continuation of study conducted during the previous two years.
- Faculty members engaged in dissemination of knowledge by handling regular columns in national newspapers and wrote 39 articles.
- A broad survey was carried out to unearth the scope of public sector employment opportunities in the field of tourism which benefitted the students to find out their future

International & Inter University Centre for Nanoscience & Nanotechnology

- The centre organizes International meetings/ conferences and workshops on a regular basis every year
- The centre has taken initiative to implement the Massive Open Online Course (MOOC) programme in association with North Carolina University USA on "global understanding" this year This is the first of this kind in any university in the state

- The centre has started integrated MSc PhD programme. This will give an opportunity for the students to work in an international laboratory during the course.
- MS and MPhil students were provided opportunity to work in international laboratories abroad during the course
- The Centre has established strong collaborations with industry and other research and educational institutions in the country and abroad

Advanced Centre for Environmental and Sustainable Development

- Community empowerment through people's participation to meet their livelihood needs
- Food adulterance in soft drinks and packaged water – community awareness programme
- Western Ghats Conservation – Sustainable Practices – Stakeholder interaction

Inter University Instrumentation Centre

- Extensions of Analytical Services to education institution and industry

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

School	Activities done
School of Behavioural Sciences	: Formed anti-harassment cell, conducts orientation programmes at the time of admission of new students
School of Bio Sciences	: The school regularly conducts orientation programmes for the students to train them for UGC-CSIR examination. The alumni association is also instrumental in guiding the students in building up their academic career and future activities.
School of Chemical Sciences	: Financial, Medical and moral supports are provided to the students.
School of Computer Sciences	: <ul style="list-style-type: none"> • The IQAC cell of the School monitors the smooth conduct and completion of the teaching programmes, internal and external examinations, evaluation methods, the completion of evaluations on date, collecting feedback from students and gives valuable suggestions and guidelines as and when needed. • Students were given information about various outside seminars and workshops and takes steps to conduct national seminars and personality

development workshops inside the School.

School of Environmental science	: Periodic meeting of the student grievance cell.
School of Gandhian thought and Developmental Studies	: Remedial coaching for weak students have been provided.
School of Indian Legal Thought	: Meeting with students whenever computer services are upgraded in computer lab and in the library. The School tried to make IQAC a mechanism to sustain
School of International Relations & Politics	: healthy practices in terms of generating awareness about career, skill development and counselling.
School of Management and Business Studies	: Placement cell to enhance placements. Remedial coaching for academically weak students. Interacting with alumni for placement / Project support. Participation in Management Fests.
School of Pure and Applied Physics	: Counseling to students on personal and academic matters are given a regular basis. This has helped many students to avail student support services.
School of Social Sciences	: Meeting with students whenever library and computer services are upgraded.
School of Tourism Studies	: Tutorial, Remedial coaching, e-grant, Career Guidance and counseling , ASPIRE Scholarship

5.2 Efforts made by the institution for tracking the progression

Student grievance and anti-harassment cells are functioning. Students are provided with mobile application to lodge their complaint through mobile phone and can track the status of their grievances. They can also file their complaints/suggestions through internet. They can also approach Hon.VC & PVC at 4-6 pm every day. Keeps a record of the student opting for higher studies and maintains contacts with them. The alumni are made instrumental in tracing new and challenging opportunities. Individual teachers have been directed to keep track of the progression. They impart this through internal assessment, test paper, assignment presentation and seminars. Progress review is also made in PTA meetings.

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

School	Activities done
School of Behavioural Sciences	: Coaching conducted by the faculty on various subjects. Class by experts are arranged as and when required. Help of university career and information centre is utilized for advanced training.
School of Bio Sciences	: The school regularly conducts orientation programmes for the students to train them for UGC - CSIR examination.
School of Chemical Sciences	: UGC-CSIR/ JRF/ NET Coaching
School of Environmental Science	: Communicative English coaching classes for M.Sc., M.Phil and Research students were arranged (weekly classes) to improve their communication skills.
School of Gandhian thought and Developmental Studies	: The Coaching is organized at the University level. The school often provides physical space for holding such programmes.
School of Indian Legal Thought	: Necessary Guidance is periodically given to students for various competitive examinations.
School of International Relations & Politics	: The students depend on the coaching classes conducted by the University.
School of Management and Business Studies	: <ul style="list-style-type: none"> • Aptitude Test training • Placement oriented training • Staff development training
School of Pure and Applied Physics	: The school extends full support for the conduct of coaching classes for NET examination with Career Guidance Bureau. The faculty members also conduct examination in the respective subjects in time with the syllabi and examination pattern at the national level tests. Their attempts have helped many students to qualify NET examination.
School of Physical education and sports sciences	: <ul style="list-style-type: none"> • Remedial coaching programme under UGC-Net coaching for backward community students for UGC-NET Examinations • No of students beneficiaries- Nine
School of Social Sciences	: nil
School of Tourism Studies	: <ul style="list-style-type: none"> • Given general awareness for writing UGC - NET examination. • Remedial coaching for students .

School of Pedagogical Sciences	:	Remedial coaching for SC/ST students, coaching for UGC – NET examinations
School of Physical Education and Sports Sciences	:	Special coaching for UGC – NET examinations

5.6 Details of student counselling and career guidance

School		Activities done
School of Behavioural Sciences	:	Students counselling and career guidance done by individual teachers regularly as a part of teaching responsibility. The service of Swanthanam Clinic of the department is also utilized for the purpose
School of Bio Sciences	:	Separate committees have been working for student counseling and career guidance.
School of Chemical Sciences	:	Meeting of students are organized to address their vision and help them to achieve this.
School of Distance Education	:	133 off- campus centers provide student counseling and career guidance.
School of Environmental Science	:	Counseling and career guidance has been given to the students periodically by the faculty members.
School of Gandhian thought and Developmental Studies	:	Student counseling is provided by individual teachers during tutorial session.
School of Indian Legal Thought	:	Strong placement cell for supporting placement and career guidance activities.
School of Management and Business Studies	:	Student counseling and career guidance is provided by University Career Guidance Bureau which is headed by Dr. T.V Thulasidharan, Professor, School of Pedagogical science.
School of Pure and Applied Physics	:	Faculty members, as the member of each batch, give proper guidance to all students for their placement. Most of the students are provided opportunities to work in national labs for their project. Through personal contacts students have been given opportunities for research work in India and abroad.
School of Social Sciences	:	'Individual faculty to individual students "- mode of student counseling and guidance.
School of Tourism Studies	:	Classes commence with induction programmes giving an orientation to the students which enables them to tailor cut their aspirations to go along with the needs of the

	<p>industry.</p> <p>Special lectures given by Dr.Toney K Thomas , Deputy Dean, Taylors University , Malaysia.</p> <p>Regular industry interaction.</p> <p>Career orientation and key note address by Mr.Krishnachandran , General Manager Intersight Tours and Travels, Cochin. A lecture on hospitality by Motty Mathew, owner Motty's Home stays Allepy – Special lecture by Mr. John George, Business Head India (Tour), UAE Exchange and Financial services and Mr.Joshy V Mathew First Source Ltd., Banglore.</p>
School of Pedagogical Sciences	: School counselling work is offered by providing students with a range of effective learning techniques, taking into account the training approach developed within Science disciplines.
School of Physical Education and Sports Sciences	: Counselling service provide to students, the opportunity for any student to discuss in private any concerns which may be impacting on performance or personal health and well-being

5.10 Scholarships financial support details

Fellowship	Number of awardees	Amount
Post-Doc*	03	3,98,598
Junior research fellowship*	06	13,46,202
Senior research fellowship*	-	-
Institutional fellowship	179	1,46,00,485
International/national recognitions**	-	-
Other fellowship*	-	-