



# INTERNATIONAL CONFERENCE ON Nanobiomaterials and Tissue Engineering Applications (ICNTA-2022)

📅 October 25-27, 2022

📍 Mahatma Gandhi University,  
Kottayam Kerala.

## Organized by

Mahatma Gandhi University  
in Association with

Huazhong University of Science and Technology, Wuhan, China  
and

National Research Ogarev Mordovia State University, Saransk,  
Russia  
and

Wuhan State University, China

## Sponsored by

Department of Science and Technology (DST), India and BRICS STI  
Framework Programme



## Conference Overview

We are pleased to announce our upcoming International Conference on NanoBiomaterials and Tissue Engineering Applications (ICNTA 2022) which will be held during 25-27 October, 2022 at International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam Kerala. This conference is a prestigious event on Biomaterials and Tissue Engineering, organised to provide a platform for researchers, academicians, industrial participants and students to share their research findings. This would be an Interdisciplinary forum to bring people from material science, bioscience, engineering and medicine to interact and discuss their findings.

### Poster Presentation and Short Talk (Online)

ICNTA 2022 invites undergraduate, postgraduate students, research scholars and teachers to submit abstracts (max. 250 words) for poster presentation and short invited talks (max. 10 minutes) not limited to areas in the key topics of the conference.

## Key Topics

- Biomaterials and Nanotechnology
- Biopolymers and their Fabrication Techniques
- Biocompatibility and Health Risks of Nanobiomaterials
- Biodegradation of Biomaterials
- Biocomposites
- Nanoscaffolds
- Tissue Engineering and Regeneration
- Wound Healing and Skin Tissue Engineering
- Cardiovascular Biomaterials
- Dental Biomaterials
- Porous Biomaterials for Regenerative Medicine
- Orthopedic Biomaterials
- Advanced Biomaterials for Sustained Drug Delivery
- Pharmaceutical Applications of Biomaterials
- Biomaterials for Cell Imaging
- Magnetic Nanoceramics for Theranostics
- Novel Techniques for Biomedical Research
- Antimicrobial Biomaterials-Sutures, Coatings and Bandages
- Additive manufacturing and 3D bioprinting
- Translational Research Aspects
- Legal and Ethical Issues related to Biomaterials in Medical Research

# Keynote Speakers



**Prof. (Dr.) Sabu Thomas BTEch, PhD, FRSC**

Honourable Vice-Chancellor, Mahatma Gandhi University, Kottayam, Kerala, India Professor of Polymer Science & Engineering, School of Chemical Sciences and the Director of International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University



**Professor Guang Yang**

Professor at Huazhong University of Science and Technology, China Deputy Director of the Cellulose division of the Chinese Chemical Society, Deputy Director of the Polymer Characterization Committee of the Chinese Chemical Society



**Prof. (Dr.) Nandakumar Kalarikkal**

Senior Professor  
School of Pure and Applied Physics  
Mahatma Gandhi University, Kerala, India



**Prof. Revin Viktor Vasilievich**

Dean of faculty of biotechnology and biology, National Research Ogarev Mordovia State University, Saransk, Russia, Professor at Department of Biotechnology, bioengineering and biochemistry, National Research Ogarev Mordovia State University, Saransk, Russia.

# Plenary Speakers



**Dr. MOHD FAUZI MH BUSRA**

Head of Department at Centre for Tissue Engineering and Regenerative Medicine (CTERM) Associate Professor in Tissue Engineering (Biomaterials) Faculty of Medicine, UKM, Malaysia



**Dr. Muhammad Wajid Ullah**

Associate Professor at Jiangsu University, Zhenjiang, China



### **Dr. Zhijun Shi**

Lecturer at Department of Biomedical Engineering,  
College of Life Science and Technology, Huazhong  
University of Science and Technology, Wuhan, China



### **Prof. Nebu George Thomas**

Professor, Department of Periodontics Pushpagiri  
College of Dental Sciences, Thiruvalla, Kerala, India



### **Professor. Annie Abraham**

Professor Emeritus at Department of Biochemistry,  
University of Kerala



### **Dr. Falguni Pati**

Associate Professor  
Department of Biomedical Engineering  
Indian Institute of Technology Hyderabad



### **Dr. Elena Liyaskina**

Associate Prof. National Research Mordovia State  
University Russia



### **Dr. Nelli Atykyan**

National Research Mordovia State University Russia



### **Prof. Annie John**

University Grants Commission (UGC) Professor  
Emeritus University of Kerala, Dept of Biochemistry  
(Advanced Centre for Tissue engineering), University of  
Kerala



### **Dr. Prakriti Tayalia**

Associate Professor, Cell and Tissue Engineering Lab,  
Department of Biosciences and Bioengineering  
Indian Institute of Technology Bombay

# Invited Speakers



**Dr. Binulal Nelson sathy**

Assistant Professor, Amrita Centre for Nanosciences and Molecular Medicine, Kochi



**Dr. Sreeja Narayanan**

Principal Investigator Nanobiotechnology Laboratory  
Department of Biotechnology Cochin University,  
Kerala



**Dr Abdul Rasheed P**

Ramalingaswami Fellow,  
Department of Biological Sciences and Engineering,  
Indian Institute of Technology Palakkad



**Dr. John Joseph**

Postdoctoral fellow at the Brigham and Women's  
Hospital, Harvard Medical School, Harvard University,  
Massachusetts, USA



**Dr. Ebrahim Mostafavi**

POSTDOCTORAL SCHOLAR, Stanford Cardiovascular  
Institute, Stanford University School of Medicine, USA



**Dr. Jiya Jose**

Research Associate Cochin University of Science and  
Technology, Kerala, India



**Dr. Chandini C Mohan**

UGC\_DSK Research Scientist, Department of  
Biotechnology, Cochin University, Kerala, India

For registration details visit website

## CONFERENCE SECRETARIAT

### **Prof. Dr. Sabu Thomas Ph.D, FRSC**

Director, International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, Kerala, India

### **Prof. (Dr.) Nandakumar Kalarikkal**

Senior Professor, School of Pure and Applied Physics  
Former Director, International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, Kerala, India

### **Prof. Revin Victor Vasilievich**

Professor Dean of the Faculty of Biotechnology and Biology,  
N.P. Ogarev National Mordovia State University, Saransk, Russia

### **Prof. Guang Yang**

Professor at Huazhong University of Science and Technology, Wuhan, China

### **Dr. Raji V**

Assistant Professor, School of Nanoscience and Nanotechnology  
Mahatma Gandhi University, Kottayam, Kerala, India

### **Er. Mridula Sreedharan**

Research Fellow DST-BRICS Project  
International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kerala, India

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