

4th DISASTER, RISK AND VULNERABILITY CONFERENCE

(Virtual Mode)

Organised by



School of Environmental Sciences
Mahatma Gandhi University
Kottayam, Kerala, India

Co-Organised by



Department of Geology
University of Kerala,
Trivandrum, Kerala, India

October
9-10 & 16-17 2020

Associates



Program Schedules DRVC 2020 (Virtual Mode)

Day 1	Inaugural Function		9 October 2020
Time	Program	Speakers	
2:00 PM	Welcome Address	Prof. (Dr.) E.V. Ramaswamy Chairman DRVC 2020 Dean, Faculty of Environmental and Atmospheric Sciences School of Environmental Sciences, Mahatma Gandhi University, Kottayam	
	Introductory Remarks	Prof (Dr.) A.P. Pradeepkumar Co-Convener DRVC 2020 Department of Geology, University of Kerala	
	Inauguration	Prof. (Dr.) Sabu Thomas (Patron DRVC 2020) Vice Chancellor , Mahatma Gandhi University, Kottayam,	
	Keynote Address	Dr. Sekhar L. Kuriakose Member Secretary (Ex-Officio) <i>Kerala State Disaster Management Authority (KSDMA) and Head (Scientist), State Emergency Operation Centre (SEOC), Trivandru, Kerala, India</i>	
Vote of Thanks		Dr. K, R Baiju Convener DRVC 2020 School of Environmental Sciences, Mahatma Gandhi University, Kottayam	
Invited Talk			
3:00 PM	Talk No 1	Dr. Surya Prakash Head GMR Division <i>National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India</i>	
3.45 PM	Talk No 2	Dr. Girish Gopinath Associate Professor <i>Department of Remote Sensing and GIS Kerala University of Fisheries and Ocean Studies</i>	
Closing Remarks		Dr. Mahesh Mohan Assistant Professor <i>School of Environmental Sciences, Mahatma Gandhi University, Kottayam</i>	

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Day 2	Invited Talk		10 October 2020
Time	Program	Speakers	
2:00 PM	Talk No 3	Dr. Shibu K Mani Associate Professor Christ University, Bangalore	
	Talk No 4	Dr. Rupert Allan Talk: Modalities of united statelessness Intervention Design, Country Management, Research	
3:00 PM	2 – P 1	Sreeja M U Importance of Public Health in Emergency Medicine in the Context of Recent Disasters	
	2 – P 3	Col V N Supanekar (Retd) A Review of Response to COVID 19- IRS as Management Tool	
	2 – P 4	Sinu Chacko Kallapurayidam Exploring Practices and Standards Of Palliative Care In Disaster Settings In India	
	2 – P 5	Janhavi Ujjain A Historical Perspective of Vaccine Nationalism: Probability of a Divided Disaster during Covid-19?	
	Closing Remarks	Amal Raj M. Assistant Professor Institute of Land and Disaster Management, Govt of Kerala	
Talk & Presentations (Night Shift)			
8:PM IST	Talk No 5	Dr. Edbert Brian Hsu Associate Professor & Director Talk: Critical Event Preparedness and Response (CEPAR) & Emergency Medicine John Hopkins University	
8: 30 PM IST	2- P 6	Ruksana Salim Comparative Vulnerability Analysis of Covid-19 in Selected Countries Using Geo-Informatics	
	2- P 7	LIC. GARY MARTIN OSORIO SOTO Qué nos espera?-"Proyección del CoVid19 en la región Tacna." (What awaits us? - "Projection of CoVid19 in the Tacna region.")	
	2- P 8	Anusree P Forest Fire Susceptibility Mapping and Management Strategies Using Frequency Ratio Method in Attappady, Northern Kerala	
Closing Remarks	Dr. Joice K Joseph Development Coordinator, M.S. Swaminathan Research Foundation, Changanassery, Kerala India		

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Day 3	Invited Talk		16 October 2020
Time	Program	Speakers	
Morning Session			
10 AM	Talk No 6	Dr. Abhilash S Assistant Professor Department of Atmospheric Sciences, Cochin University of Science and Technology	
	3 - P 1	Dr K Indulekha Nature Natural Philosophy and Society: Intersections and Bootstraps and Disasters in the Anthropocene	
	3 - P 2	Dr. Shaji E Heavy metal concentrations in groundwater of Northern-Kasaragod, Kerala, India:An analysis	
	3 - P 3	Dr. Ranajit Jana Livelihood Vulnerability to Hydro-Meteorological Disaster in Indian Sundarbans	
	3 - P 4	Dr Jayachandran.K Disaster Management by Nurturing Cultural Response and Resilience with Cross Sector Collaborations	
	3 - P 5	Dr. Venu Prasad H D Impact of Floods in Indian Scenario - A Structural Analysis	
	3 - P 6	Varsha Unity in Disaster Management	
Session – I Geo-Spatial Disaster Management			
11 AM	3 - P 7	Deepchand V Disappearing Coast of Thiruvananthapuram District: A Case Study on Shoreline Changes, Causes and Mitigation Measures	
	3 - P 8	Reshma S.R Flash Flood Risk Assessment And Mapping Using AHP Method Of Akkulam-Veli Lake Basin, Thiruvananthapuram, Kerala	
	3 - P 9	D. Chakraborty Lessons learnt from Macro-seismic Investigation for Earthquake Disaster Management with case studies from Central India	
	3 - P 10	Anjali M Nair Geospatial Assessment of Air Pollution Linked Diseases at Ambalamugal Industrial area, Kochi	
	3 - P 11	Dr.K.S.Arunkumar Landslide Hazard Zonation Mapping Using Weighted Overlay Method with the help of Remote Sensing and GIS Techniques: A Case Study from Nilambur Taluk, Malappuram, Kerala	
	3 - P 12	Godson G Mapping out the Forest Fire Risk Zones and Spread Sensitive Zones in Salem, Dharmapuri and Erode Districts of Tamil Nadu, India: A Geospatial Approach	
	3 - P 13	Ritwik Nigam Quantifying the Spatio-Temporal Changes in the Coastal Built-Up Area of South Goa Region Based on Landsat ETM+/OLI Imageries and Google Earth Engine	
Closing Remarks	Prof (Dr.) A.P. Pradeepkumar Co-Convenor DRVC 2020		

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Day 3	Noon Session	16 October 2020
2:00 PM	<p>Prof. Dr. Franz-Josef Behr, Stuttgart Technology University of Applied Sciences (Hochschule für Technik Stuttgart - HFT Stuttgart)</p> <p>Talk No 7</p> <p>Open Data and Open Source: Rapid and task-adequate Geodata Provision for Disaster Management</p>	
	<p>Dr. Sreeja S. Nair Faculty</p> <p>Talk : Climate Change and Drought Vulnerability Bundelkhand Region India Teri University</p> <p>Talk No 8</p>	
	<p>Dr. Abhilash S Assistant Professor Department of Atmospheric Sciences, Cochin University of Science and Technology</p> <p>Talk No 9</p>	
<p>Session – I I Geo-Spatial Disaster Management</p>		
3:00 PM	<p>Pankaj Prasad 3 - P 14 Landslide Susceptibility Mapping Using GIS based machine learning algorithms in the North Western Ghats of India</p>	
	<p>Ajayan TS 3 - P 15 Landslide Hazard Susceptibility Zonation Mapping of Valakom Watershed Kottayam District Using Geospatial Techniques</p>	
	<p>Dr. Suraj. R 3 - P 16 Post landslide Assessment of Pettimudi, Idukki District, Kerala Using Geospatial Techniques</p>	
Closing Remarks	<p>Dr. Sylas VP Assistant Professor School of Environmental Sciences, Mahatma Gandhi University, Kottayam</p>	

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Day 4	Invited Talk		17 October 2020
Time	Program	Speakers	
2:00 PM	Talk No 10	Prof. (Dr.) S. Ganapathy venkatasubramanian Environmental Law and Management Anna University, Chennai, India	
	Talk No 11	Mr. Ramesh VM (Industry)	
	Talk No 12	Dr. John C. Mathew, Environment Programme Manager Directorate of Environment and Climate Change, Govt. of Kerala 'Combating climate change: addressing governance issues scientifically specific to Kerala'	
Presentations			
3:00 PM	4 - P 1	Jishnu R J Drought Assessment and Risk Index Mapping Using Fuzzy Logic in Attappady, Kerala	
	4 - P 2	Sarath K. V Subsurface Erosion by soil piping: A case study from Adoor-Pandi Area, Kasaragod, Kerala, India	
	4 - P 3	Karunakaran Akhil Dev Flood Depth Model Using Geospatial Technology in Ernakulam District, Kerala India	
	4 - P 4	Ashitha Anand A Geoinformatics based study on the effects of urbanization on the land, coast and air quality of Kochi, Ernakulam, Kerala	
	4 - P 5	SREEVISHNU K Delineation of a Paleochannel from the Midland Region of Pamba River Basin Kerala: A Geological and Remote Sensing Approach	
	4 - P 6	Athira M Flood Resilience with Respect to Climate Change: Case Study of Kuttyadi Kozhikode District, Kerala	
	4 - P 7	Sanoop Salam T A Preliminary Investigation of the Landslide Occurrence at Vembala, Kokkayar Panchayath, Idukki District, Kerala, India	
	4 - P 8	Annmaria Assessment of Landslide Susceptible Zones of the Muvattupuzha River Sub - Basin Using Frequency Ratio Method	
	Valedictory Function	Prof (Dr.) C.T Aravandakumar Pro-Vice chancellor, Mahatma Gandhi University, Kottayam	
	END of DRVC 2020	Dr. K, R Baiju Convener DRVC 2020 School of Environmental Sciences, Mahatma Gandhi University, Kottaym	