



उत्तराखण्ड सरकार
Government of Uttarakhand



6th

WORLD CONGRESS ON DISASTER MANAGEMENT

28 November - 01 December 2023

Dehradun, Uttarakhand, India

PROGRAM SCHEDULE

PROGRAM SCHEDULE

AT A GLANCE

Start	End	Duration: minutes	Location	28-Nov	29-Nov	30-Nov	1-Dec	
				TUESDAY	WEDNESDAY	TUESDAY	THURSDAY	
8:30	10:00		Silver Jubilee Convention Centre	REGISTRATION	REGISTRATION	REGISTRATION	REGISTRATION	
10:00	11:30	90		Inaugural Ceremony	Plenary 2: Eco-DRR	Plenary 4: Resilience & Sustainable Development in the Himalaya	Plenary 6: Inclusive Framework for Risk Governance	
12:00	13:30	90		Plenary 1: Skills and Competencies for DRR	Plenary 3: Strengthened National & Global Public Health Emergency and Disaster Response	Plenary 5: Capacity Building: Local to Global	Valedictory Function	
13:30	14:30	60	LUNCH					
14:30	16:00	90	CSIT Academic Block LT-1	STS 1: Disaster preparedness and risk management: Tracking mobility, strengthening community-based climate adaptation and promoting safe migration (Organizer: UN-IOM)	STS 7: Space Based Information for Disaster Management (Organizer: IIRS/ISRO)	STS 14: Net Zero for heritage and climate (Organizer: GRRID Corps)	Local sightseeing/ visit to Institutions/ other places	
			CSIT Academic Block LT-2	STS 2: Enabling Environment for Disaster Risk Reduction (Organizer: SEWA International & Rashtriya SEWA Bharati)	STS 8: Building Resilience of Communities through ecosystem-based approaches (Organizer: UNDP, UNEP and FAO)	STS 15: Panel Discussion on Community Health, Resilience and Preparedness (Organizer: AIIMS Rishikesh)		
			CSIT Academic Block LT-3	STS 3: Disaster Resilient Infrastructure in Mountain Regions: Challenges, Opportunities and the Way Forward (Organizer: CDRI) - (Conference Hall)	STS 9: Marine disaster management inland water resources - impact on the environment - BLUE ECONOMY focus (Organizer: PLANT)	STS 16: Lessons for India from Miyamoto experience in disaster zones of Turkey, Syria, Morocco, Afghanistan, Nepal, and Haiti (Organizer: Miyamoto International)		
			CSIT Academic Block LT-4		STS 10: Importance of Multi-sectoral and Multi-layer Coordination for Emergency Response (Org: CDC)			
14:30	16:00		CSIT Academic Block CR1 -CR10	Technical Session 1: INNOVATIONS IN DISASTER RISK REDUCTION AND RESILIENCE Parallel sessions 10	Technical Session 2: CHALLENGES IN TACKLING DRR ISSUES: Parallel sessions 12	Technical Session 4: MOUNTAIN SPECIFIC HAZARDS AND THEIR MANAGEMENT Parallel sessions 9		
16:00	16:15	15	TEA BREAK					
16:15	17:45	90	CSIT Academic Block CR1 -CR10	Technical Session 1: INNOVATIONS IN DISASTER RISK REDUCTION AND RESILIENCE: Parallel sessions 10	Technical Session 3: MULTIDISCIPLINARY RESEARCH AND BEST-PRACTICES: Parallel sessions 12	Technical Session 5: TRADITIONAL RISK REDUCTION PRACTICES AND VOICES FROM THE GRASSROOTS: Parallel sessions 9		
16:15	17:45	90	CSIT Academic Block LT-1	STS 4: Climate Risk Information Systems at the Local Level Climate Information Services in the Himalayan Region (Organizer: STS Global System & UNDP)	STS 11: Capacity Building of Stakeholders of Mountain States (Organizer: Redr India)	STS 17: Heat Action Plan (Organizer: CRRP with GRRID Corps)	Local sightseeing/ visit to Institutions/ other places	
			CSIT Academic Block LT-2	STS 5: Food and Nutritional Security in Emergency Preparedness and Response (Organizer: WFP & NIDM)	STS 12: Bamboo for Climate Resilience and Disaster Management (Organizer: INBAR-GIZ)	STS 18: Role of Indian Armed Forces in Humanitarian Assistance and Disaster Relief (HADR) (Organizer: Indian Army)		
			CSIT Academic Block LT-3	STS 6: Enhancing Disaster Resilience: Data-driven Synergistic Approaches to Understanding and Managing Multi-sectoral Cascading Risks (Organizer: Miyamoto International)	STS 13: Wetlands for Resilience (Org: GIZ, IIT Roorkee & NIDM)	STS 19: Climate Resilient Technologies (CRT's) for Sustainable Natural Resource Management in Hill and Mountain Ecosystem (Organizer: ICAR-Indian Institute of Soil and Water Conservation, Dehradun)		
			CSIT Academic Block LT-4			STS 20: Early Warning Systems- A Key Tool to Reduce the Impact of Climate Change-Induced Disasters (Organizer: RMSI)		
16:15	18:00	105	Conference Hall	SFE 1: Inclusion - Disaster Risk Reduction and Climate Change - What is the need of the hour? (Organizer: Samartanam Trust for the Disabled)	SFE 3: GHANA AND INDIA RED CROSS DELEGATE. Integrated Preparedness Event; Bridging First Aid Excellence and Disaster Response Simulations	SFE 5: Disaster Risk Reduction and Community Resilience: Voices from the Grassroots (Organized: IMI)		
16:30	18:00	90	Seminar Hall	SFE 2: Introduction of Hybrid Technology - Emission Free Technology	SFE-4 : Resonating Resilience : A Panel Discussion on the Vital Role of Community Radio Stations & Future Pathways in Disaster Management	SFE 5: Guardians of the Planet - Children and Youth in Disaster Risk Reduction & Climate Resilience		
19:00	20:00	60	Silver Jubilee Convention Centre	CULTURAL EVENING	CULTURAL PROGRAM	CULTURAL EVENING		
8:00 PM	10:00 PM		OPEN Ground	DINNER	DINNER	DINNER		

PLENARY SESSIONS

ROLE	SPEAKER / RESOURCE PERSON	DESIGNATION & AFFILIATION
PLENARY 1	Skills and Competencies for DRR 28 November, Tuesday - 12:00 - 13:30 Venue - Silver Jubilee Convention Centre	
Chair	Prof. Vinod Chandra Menon	Founder Member, National Disaster Management Authority (NDMA), Government of India
Co-Chair	Shri Rajendra Ratnoo, IAS	Executive Director, National Institute of Disaster Management, Ministry of Home Affairs, GoI
Co - Chair	Prof. Rajeev M Pant	Vice Chancellor, Assam University, Silchar
Keynote	Prof. Ian Davis	Adjunct Professor, AVV Kerala, Kyoto, Lund & Oxford Brookes University, UK
Panelist	Prof. Rajib Shaw	Graduate School of Media & Governance, Keio University, Japan
Panelist	Prof. O P S Negi	Vice Chancellor, Uttarakhand Open University, Haldwani
Panelist	Dr. Kristen Cook	President of Geomorphology Division, French Research Institute, France
Panelist	Prof. Vinod Kumar Sharma	Vice Chair, Sikkim State Disaster Management Authority, India
Panelist	Mr. Lars Bernd	Former - DRR Specialist - UNICEF, Switzerland
PLENARY 2	Eco-DRR 29 November, Wednesday - 12:00 - 13:30 Venue - Silver Jubilee Convention Centre	
Chair	Dr. Madhav B Karki	Former Advisor to the Prime Minister of Nepal; & Member, Environmental Protection and Climate Change Management National Council, Nepal.
Chair	Dr N Ravi Shankar	Former-Chief Secretary, Uttarakhand & Chancellor, DIT University
Co-Chair	Prof. P K Joshi	School of Environmental Sciences, Special Centre for Disaster Research, Jawaharlal Nehru University, New Delhi
Keynote	Mr. Ravi Singh	Secretary General and CEO, WWF-India
Panelist	Dr. Matthew Westoby	Associate Professor of Physical Geography, School of Geography, Earth and Environmental Sciences (Faculty of Science and Engg), University of Plymouth, UK
Panelist	Dr. Haman Unusa	Unit Head for Studies and Prospection, GEF Operational Focal Point, Cameroon
Panelist	Dr. Ritesh Kumar	Director, Wetlands International South Asia
Panelist	Dr. Shalini Dhyani	Vice Chair - IUCN & Principal Scientist, CSIR-National Environmental Engineering Research Institute (NEERI), India
Panelist	Dr. Priya Narayan	Senior Manager – Urban Development, WRI India
Panelist	Dr. Jane Njuguna	Director, Kenya Forestry Research Institute, Swedish University of Agricultural Sciences, Kenya
Panelist	Mr. Kirtiman Awasthi	Senior Advisor & Team Leader, Wetlands Management for Biodiversity & Climate Protection Indo-German Biodiversity Programme, GIZ India

ROLE	SPEAKER / RESOURCE PERSON	DESIGNATION & AFFILIATION
PLENARY 3	Strengthened National & Global Public Health Emergency and Disaster Response 29 November, Wednesday - 10:00 - 11:30 Venue - Silver Jubilee Convention Centre	
Chair	Shri Sudhansh Pant, IAS	Secretary (Health, Family and Welfare) Ministry of Health and Family Welfare, GoI
Co - Chair	Shri Rajendra Ratnoo, IAS	Executive Director, National Institute of Disaster Management, Ministry of Home Affairs, GoI
Co-Chair	Dr. Meghna Desai	Director, US Centers for Disease Control and Prevention (CDC), Country Office, India
Panelist	Prof. Vinod Chandra Menon	Founder Member, National Disaster Management Authority (NDMA), Government of India, Regional Director - Asia, TIEMS, Oslo, Norway
Panelist	Prof. Diwan Singh Bisht	Vice Chancellor, Kumaun University, Nainital
Panelist	Prof. Surya Prakash	Head EOC, CBRN, Cyber DRR & GMR Division, NIDM, MHA, GoI
Panelist	Prof. Hem Chandra	Vice Chancellor, HNB Uttarakhand Medical Education University, Dehradun
Panelist	Maj Gen (Prof.) Atul Kotwal, SM, VSM	Executive Director, National Health Systems Resource Centre (NHSRC) India
Panelist	Dr. Chris Brown	Director, Division of Emergency Operations, Office of Readiness and Response (ORR), US Centers for Disease Control and Prevention (CDC), USA
Panelist	Dr. Sourabh Goel	Joint Director, IDSP, NCDC, MoHFW, GoI
PLENARY 4	Resilience & Sustainable Development in the Himalaya 30 November, Thursday - 10:00 - 11:30 Venue - Silver Jubilee Convention Centre	
Chief Guest	Dr. Munna Singh Chauhan	MLA of Vikashnagar, Dehradun
Chair	Dr. Pema Gyamtsho	Director General, ICIMOD, Nepal
Co-Chair	Dr. Kalachand Sain	Director, Wadia Institute of Himalayan Geology
Co-Chair	Dr. Navneet Kumar	Senior Research Associate, Global Mountain Safeguard Research(GLOMOS), United Nations University (UNU), Bonn, Germany
Keynote	Prof. Marcus Martin Nüsser	Department of Geography, South Asia Institute, Heidelberg University, Germany
Panelist	Prof. Onkar Singh	Vice Chancellor, VMSB Uttarakhand Technical University, Dehradun
Panelist	Dr. G. S. Rawat	Emeritus Scientist, UCOST Dehradun
Panelist	Mr. Deepak Malik	DRM Specialist, World Bank
Panelist	Dr. Gowhar Meraj	JSPS Post-Doc Fellow, The University of Tokyo, Japan
Panelist	Prof. Ashish Pandey	Head Dept. of Water Resources Development and Management, IIT Roorkee, India
Panelist	Dr. Paramesh Banerjee	Director, Prayukti Geomatics, Singapore

ROLE	SPEAKER / RESOURCE PERSON	DESIGNATION & AFFILIATION
PLENARY 5	Capacity Building: Local to Global 30 November, Thursday - 12:00 - 13:30 Venue - Silver Jubilee Convention Centre	
Chair	Prof. Surekha Dangwal	Vice Chancellor, Doon University, Dehradun
Chair	Prof. Anil K Gupta	Head (ECDRM), National Institute of Disaster Management, Ministry of Home Affairs, GoI
Co-Chair	Dr. Subrat Sharma	Dean of Research, University of Ladakh, India
Co-Chair	Mr. O.P. Singh	Former-DG, NDRF
Keynote	Ms. Bárbara Mínguez García	Senior Associate, Cultural Heritage Resilience, McAllister Craig, France
Panelist	Dr. Iftekhhar K. Ahmed	Associate Professor, University of Newcastle, Australia
Panelist	Mr. Esteban Torres	Ministerial Advisor in the Ministry of Urban Development and Housing, Ecuador
Panelist	Dr. Sanjay Srivatsava	Head - DRR, UNESCAP, Thailand
Panelist	Dr Akhilesh Surjan	Research & Theme Leader, Humanitarian, Emergency & Disaster Management Studies, Charles Darwin University, Australia
Panelist	Brig. Upendra Pal Singh	Indian Army
PLENARY 6	Inclusive Framework for Risk Governance 01 December, Friday - 10:00 - 11:30 Venue - Silver Jubilee Convention Centre	
Chair	Dr. R P Singh	Director, Indian Institute of Remote Sensing, ISRO, Dehradun
Co-Chair	Dr Renu Singh	Director, ICFRE-FRI, Dehradun
Co-Chair	Prof. N K Joshi	Vice Chancellor, Sri Dev Suman Uttarakhand University
Keynote	Prof. Tatsuya Ishikawa	Faculty of Engineering, Hokkaido University, Japan
Panelist	Dr. Teshome Tamirat	Director, Bamboo Desk and INBAR Focal Person, Ethiopian Forestry Development, Addis Ababa, Ethiopia
Panelist	Prof. Chandan Ghosh	Head (RI), National Institute of Disaster Management, Ministry of Home Affairs, GoI
Panelist	Mr. Jochen Ramcke	Project Head-ICRI, GIZ India
Panelist	Dr. Elshan Ahmadov	Azerbaijan State University of Economics, Department of Economics Azerbaijan
Panelist	Prof. Unnat P. Pandit	Controller General Of Patents, Designs And Trade Marks (CGPDTM), GoI
Panelist	Shri. Gipson Miranda	Executive Engineer, WD-III, WRD. Water Resources Department(WRD), Government Of Goa

SPECIAL TECHNICAL SESSIONS

Venue : CSIT Building, Graphic Era (Deemed to be University), Dehradun

Role	Resource/Presenter	Organization	Room No.
Special Technical Session 1 Organizer: UN-IOM	Disaster preparedness and risk management: Tracking mobility, strengthening community-based climate adaptation and promoting safe migration 28 November 2023 - Tuesday - 14:30 to 16:00		LT-1
Chair	Prof. Vinod Chandra Menon	Founder Member, National Disaster Management Authority (NDMA), India	
Panelist	Ms Himani Upadhyay	Researcher, Future Lab on Social Metabolism and Impacts Postdam Institute for Climate Impacts Research, Germany	
Panelist	Ms Hang Thi Thanh Pham	Senor Resilience Officer - Food and Agriculture Organization, Bangkok	
Panelist	Prof. Rajkumar Pant	IIT- Bombay, Mumbai	
Panelist	Dr. Manoj Pant	CPPGG, Govt. of Uttarakhand	
Anchor	Mr Sanjay Awasthi	Head of India Office, International Organization For Migration	
Point of Contact	Mr. Pradeep UNDP UK- +91 9899690916	pradeep.mehta@undp.org	
Special Technical Session 2 Organizer: SEWA International & SEWA Bharati	Enabling Environment for Disaster Risk Reduction 28 November 2023 - Tuesday - 14:30 to 16:00		LT-2
Session Focus: 1. To create a Disaster Resilient Society which can perform the role of the First Respondent during the disaster. 2. To map disaster prone districts of Bharat and corelate learning, knowledge and experience of Swayamsevaks from recent disaster events in those districts. 3. To prepare a disaster relief plan for each type of disaster, considering the impact and resilience capacity of existing infrastructure systems.			
Point of Contact	Mr Sumant V Puntambekar- +91 9326087887		
Special Technical Session 3 Organizer: CDRI	Disaster Resilient Infrastructure in Mountain Regions: Challenges, Opportunities and the Way Forward 28 November 2023 - Tuesday - 14:30 to 16:00		Conference Hall
Session Focus: 1. To understand the current landscape and impact of natural hazards on critical and community infrastructure in mountain areas 2. To undertake need assessment for engagement of the Coalition in the mountain areas for disaster resilient infrastructure development 3.To identify opportunities for collaboration in mainstreaming disaster resilient infrastructure			
Point of Contact	Ms. Sakshi Dasgupta- +91 9811910901	sakshi.Dasgupta@cdri.world	

Special Technical Session 4 Organizer: STS Global System & UNDP	Climate Risk Information Systems at the Local Level Climate Information Services in the Himalayan Region 28 November 2023 - Tuesday - 16:15 to 17:45		LT-1
Chair	Prof. Vinod Sharma	Vice Chairman, Sikkim State Disaster Management Authority	
Chair	Dr. H. S. Bisht	Director, Indian Institute of Petroleum, Dehradun	
Co-Chair	Shri Manmohan Mainali	Budget Officer, Govt. of Uttarakhand	
Panelist	Mr. Dilip Singh	National Project Manager, UNDP India	
Panelist	Dr. Anshu Sharma	Co-Founder, SEEDS India	
Panelist	Dr. Harish Sharma	Former Scientist, Forest Research Institute	
Panelist	Representative from IMD		
Panelist	Representative from USDMA		
Point of Contact	Ms Sristhi Shankar - +91 8595478981	srishti@seedsindia.org	
Special Technical Session 5 Organizer: WFP & NIDM	Food and Nutritional Security in Emergency Preparedness and Response 28 November 2023 - Tuesday - 16:15 to 17:45		LT-2
Welcome and Release of Compendium	Dr. Sushma guleria	Assistant Professor, National Institute of Disaster Management, Ministry of Home Affairs, Gol	
Release of Training Manual - Food and Nutrition Security in Emergency Preparedness and Response			
Opening Remarks	Ms. Nozomi Hashimoto	Deputy Country Director, WFP	
Keynote	Prof. N. Vinod Chandra Menon	Founder Member, NDMA, Government of India	
Chair	Mr. Rajendra Ratnoo, IAS	Executive Director, National Institute of Disaster Management, Ministry of Home Affairs, Gol	
Co-Chair	Prof. Anil K Gupta	Head (ECDRM), National Institute of Disaster Management, Ministry of Home Affairs, Gol	
Panelist	Prof. Mahua Mukherjee	Department of Architecture and Planning, IIT Roorkee	
Panelist	Mr. Animesh Prakash	Head of DM, Reliance Foundation	
	Prof. Sanjay Kumar	Director, Bio-Tech Council	
	Dr. Sanjay Kumar	Graphic Era (Deemed to be University), Dehradun	
	Representative	Ministry of Agriculture and Farmer Welfare	
	Representative	Department of Food and Public Distribution	
	Representative	Department of W&CD	
	Representative	National Institute of Nutrition	
Point of Contact	Dr Pradnya Paithankar- +91 9868186749	pradnya.paithankar@wfp.org	

Special Technical Session 6 Organizer: Miyamoto International	Enhancing Disaster Resilience: Data-driven Synergistic Approaches to Understanding and Managing Multi-sectoral Cascading Risks 28 November 2023 - Tuesday - 16:15 to 17:45		LT - 3
Opening	Dr. Rave Aulakh	Project Director, USAID Support to Coalition for Disaster Resilient Infrastructure	
Moderator	Ms. Sakshi Das Gupta	Lead Specialist - Technical Studies, Coalition for Disaster Resilient Infrastructure (CDRI)	
Panelist	Dr. Suchismita Mukhopadhyay	Lead Specialist - Advocacy, CDRI	
Panelist	Mr. Amit Tripathi	Advisor to CDRI- Power	
Panelist	Dr. Anshul Yadav	Advisor to CDRI- Telecommunications	
Panelist	Dr. Aparajita Suman	Advisor to CDRI- Knowledge Management	
Panelist	Shri. Nikita Khandelwal	Director, ITDA, Uttarakhand	
Point of Contact	Mr. Girinath Reddy +91 9000776560	greddy@miyamotointernational.com	
Special Technical Session 7 Organizer: IIRS/ISRO	Space Based Information for Disaster Management 29 November 2023 - Wednesday - 14:30 to 16:00		LT - 1
Panelist	Dr. John Mathew	ISRO, Headquarter, Bangalore	
Panelist	SK. Sazid Mahammad	SAC, Ahmedabad	
Panelist	Smt. P Srilakshmi,	NRSC, Hyderabad	
Panelist	Ms. Anita Panday	Space Application Centre, Ahmedabad	
Panelist	Dr. Arijit Roy	DMSD, IIRS, Dehradun	
Session Supervision	Dr. R S Chatterjee, Dr. Arijit Roy, Dr. Harish Chandra Karnatak, Shri C.M. Bhatt	IIRS, Dehradun	
Hall management	Dr. Hina Pandey, Shri Suresh Kannaujiya	IIRS, Dehradun	
Technical Assistance	Shri Shovan Lal Chatteraj, Dr. Pratima Pandey	IIRS, Dehradun	
Point of Contact	Shri C M Bhatt- +91 9985785869	cmbhatt2@gmail.com; cmbhat@iirs.gov.in	

Special Technical Session 8 Organizer: UNDP, UNEP and FAO	Building Resilience of Communities through ecosystem-based approaches 29 November 2023 - Wednesday - 14:30 to 16:00		LT-2
Chair	Prof. S. P. Singh	Ecologist & Ex Vice Chancellor, Garhwal University	
Chair	Prof. S. D. samantaray	GBP University of Agriculture & Technology, Pantnagar	
Co-Chair	Prof. Sudha Arora	GBP University of Agriculture & Technology, Pantnagar	
Co-Chair	Prof Anil Kumar Gupta	Head (ECDRM), National Institute of Disaster Management, Ministry of Home Affairs, Gol	
Panelist	Shri Reuben Gergan	Project Officer, UNEP & Partners (CAFRI-ICAR, IIFSR-ICAR)	
Panelist	Ms. Priya Srestha	Technical Expert, UNDP	
Panelist	Mr. R B Sinha	Senior Policy Advisor (Natural Resources) & Project Director, GEF Green-Agriculture Project, FAO	
Panelist	Ms. Devashree Nayak	Gender & Social Inclusion Specialist, (FAO)	
Panelist	Prof. Sachin Ghai	Graphic Era (Deemed to be University), Dehradun	
Point of Contact	Ms Ranjani Mukherjee- +91 9717422183	ranjini.mukherjee@un.org	
Special Technical Session 9 Organizer: PLANT	Marine disaster management - inland water resources - impact on the environment - BLUE ECONOMY focus 29 November 2023 - Wednesday - 14:30 to 16:00		LT-3
Chair	Dr. Akbaruddin Ahmad	Chairman, Policy Research Centre, Bangladesh	
Co-Chair	Dr. Seema Joshi	Vice President, Strategic Initiatives, ESRI India	
Keynote	Dr. Komali Kantamaneni	Senior Coastal Scientist and Environmentalist & Senior Research Fellow, University of Central Lancashire, UK	
Panelist	Prof. T Sekar	Professor and Head, Department of Environmental science Indira Gandhi National Tribal University, Amarkantak M.P	
Panelist	Dr. Samiksha Volvaiker	Senior Scientist, CSIR-National Institute of Oceanography, India	
Panelist	Dr. Maxmillan Martin	Associate Tutor, Honrary Research Fellow, University of Sussex	
Panelist	Dr. S. Surapa Raju	Senior Consultant, IDSAP	
Point of Contact	Dr. Ray K. - 9818792326	shreyakiran1954@gmail.com	

Special Technical Session 10 Organizer : CDC	Importance of Multi-sectoral and Multi-layer Coordination for Emergency Response by CDC 29 November 2023 - Wednesday - 14:30 to 16:00		LT-4
Chair	Shri. Ajit Seth	Former Cabinet Secretary to the Government of India	
Chair	Dr Muzaffar Ahmad	Former Member, National Disaster Management Authority (NDMA), Government of India	
Moderator	Dr Rajeev Sharma	Public Health Specialist and Lead-Emergency Management, DGHP, CDC-India	
Panelist	Dr Runa Hatti Gokhale	Associate Director for Science and Programs, DGHP, CDC-India	
Panelist	Dr Saurabh Goel	Joint Director, IDSP, NCDC, MoHFW, GoI	
Panelist	Prof. Surya Parkash	Head EOC, CBRN, Cyber DRR and GMR Division, NIDM, MHA, GoI	
Panelist	Dr Madan Gopal	Advisor- Public Health Administration, National Health System Resource Centre (NHSRC)	
Panelist	Dr N S Bisht	Senior Physician, Doon Hospital, Dehradun	
	Prof. N. S Bohra	Graphic Era (Deemed to be University), Dehradun	
Panelist	Dr Madhur Uniyal	Associate Professor, Department of Trauma Surgery and Critical Care at AIIMS, Rishikesh	
Point of Contact	Mr. Anil Kathait- +91 9958707809	anilkathait@vhsprojects.org	
Special Technical Session 11 Organizer: Redr India	Capacity Building of Stakeholders of Mountain States 29 November 2023 - Wednesday - 16:15 to 17:45		LT-1
Panelist	Mr. Prasad Sevekari	Secretary, redr India	
Panelist	Ms. Sujata Kodag	Member, redr India	
Point of Contact	Ms. Meghana- +91 9011073662	meghana@redrindia.org	
Special Technical Session 12 Organizer: INBAR-GIZ	Bamboo for Climate Resilience and Disaster Management 29 November 2023 - Wednesday - 16:15 to 17:45		LT-2
Panelist	Dr Haman Unusa	Unit Head for Studies and Prospection, GEF Operational Focal Point, Cameroon	
Panelist	Ms. Nellie Oduor	Director, Kenya Forestry Research Institute(KEFRI)	
Panelist	Dr. Teshome Tamirat	Director Bamboo Desk and INBAR Focal Person, Ethiopia	
Panelist	Dr. Sangeeta Agasty	Regional Director, INBAR	
Panelist	Mr. Esteban Torres	Ministerial Advisor, GEF, Ministry of Urban Development and Housing, Ecuador	
Panelist	Dr. Rajesh Kaushal	Pr. Scientist, ICAR- Indian Institute of Soil and Water Conservation, Dehradun, India	
Point of Contact	Dr. Sangeeta Agasty- +91 9910047811	sagasty@inbar.int	

Special Technical Session 13 Organizer: GIZ-IIT Roorkee-NIDM	Wetlands for Resilience 29 November 2023 - Wednesday - 16:15 to 17:45		LT-3
Panelist	Prof. Anil K Gupta	Head of Division, International Cooperation and Advisory Services, NIDM India	
Panelist	Dr. Ravindra Singh	Director, Indo-German Biodiversity Programme	
Panelist	Dr. Ritesh Kumar	Wetlands International South Asia	
Panelist	Prof. Ashish Pandey	IIT-Roorkee	
Panelist	Dr. Manu Gupta	SEEDS	
Panelist	Dr. Shiraz Wajih	Gorakhpur Environment Action Group	
Panelist	Dr. Avantika Bhaskar	Advisor, GIZ	
Panelist	Ms. Amrutha Kolangad	Kerla State Disaster Management Authority (KSDMA)	
Moderator	Mr. Kirtiman Awasthi	Senior Advisor, GIZ	
Point of Contact	Dr. Avantika Bhaskar, GIZ- +91 9962543021	avantika.bhaskar@giz.de	
Special Technical Session 14 Organizer: GRRID Corps	Net Zero for Heritage and Climate 30 November 2023 - Thursday - 14:30 to 16:00		LT-1
Chair	Ms. Aparna Tandon	Senior. Programme Leader, ICCROM	
Co-Chair	Dr. Repaul Kanji	Co-Founder, GRRID Corps	
Keynote	Ms. Barbara Minguez Garcia	Snr. Consultant, Craig and McAllister	
Panelist	Ms. Luana Cristina da Silva Campos	Professor, State University of Goiás	
Panelist	Ms. Amira Sadik Aly Elsayed	Executive Manager, Egyptian Heritage Rescue Foundation	
Panelist	Ms. Zainab Osman Mahgoub Gaafar	Founder and Manager, Studio Urban, Sudan	
Panelist	Mr. Fredrick Nsibambi	Deputy Executive Director, Cross-Cultural Foundation of Uganda (CCFU)	
Panelist	Ms. Sriparna Sil	Co-Founder, GRRID Corps	
Rapporteur	Ms. Dikshya Saikia	Assistant Professor, JDSG College, Assam	
Point of Contact	Dr. Repaul Kanji- +91 8791649283	repaul23@gmail.com	
Special Technical Session 15 Organizer: AIIMS Rishikesh	Panel Discussion on Community Health Resilience and Preparedness 30 November 2023 - Thursday - 14:30 to 16:00		LT-2
Panelist	Dr Saroj Naithani	Former Director, Health, Uttarakhand	
Panelist	Dr. Nidhi Kaeley	Head of the Department, Emergency Medicine, AIIMS-Rishikesh	
Panelist	Dr. Madhur Uniyal	Associate Professor, Department of Trauma Surgery, AIIMS-Rishikesh, Uttarakhand	
Panelist	Dr. Takshak Shankar	Senior Resident, Emergency Medicine, AIIMS-Rishikesh	
Panelist	Dr. Archana Bairwa	Senior Resident, Emergency Medicine, AIIMS-Rishikesh	
Point of Contact	Dr. Nidhi Kaeley- +91 9654871074	drnidhi_kaeley@yahoo.com	

Special Technical Session 16 Organizer: Miyamoto International	Lessons for India from Miyamoto experience in disaster zones of Turkey, Syria, Morocco, Afghanistan, Nepal and Haiti 30 November 2023 - Thursday - 14:30 to 16:00		LT-3
Panelist	Mr. Sandeep Shah	Managing Director, Miyamoto International	
Panelist	Mr. Rohan Shinde	Head-Disaster Risk Reduction, Disaster Risk Reduction-Miyamoto International	
Panelist	Dr. Aditi Singh	Technical Expert and Researcher, Disaster Risk reduction- Miyamoto International	
Panelist	Ms. Akanksha Singh	Business Development and partnership Specialist-Miyamoto International	
Point of Contact	Mr. Rohan Shinde- +91 9821750628	rshinde@miyamotointernational.com	
Special Technical Session 17 Organizer: CRRP with GRRID Corps	Heat Action Plan 30 November 2023 - Thursday - 16:15 to 17:45 Hrs		LT-1
Chair	Ar. Bhola Saha	Co-Founder, CRRP India	
Co-Chair & Panelist	Dr. Repaul Kanji	Co-Founder, GRRID Corps	
Keynote	Dr. Iftekhar Ahmed	Associate Professor, Newcastle University	
Panelist	Dr. Rajib Shaw	Professor, Keio University	
Panelist	Mr. Binu Mathew	COO, Taru Leading Edge	
Panelist	Dr. Abhiant Tiwari	NRDC India	
Rapporteur	Dr. Dikshya Saikia	Assistant Professor, JDSG College, Assam	
Point of Contact	Dr. Repaul Kanji- +91 8791649283	repaul23@gmail.com	
Special Technical Session 18 Organizer: Indian Army	Role of Indian Armed Forces in Humanitarian Assistance and Disaster Relief (HADR) 30 November 2023 - Thursday - 16:15 to 17:45 Hrs		LT-2
Panelist	Brig. Upender Pal Singh	Indian Army	
Panelist	Col. Hemanth Deolal	Indian Army	
Panelist	Col. Madhukar Bhat	Indian Army	
Panelist	Dr. Ajay Tyagi	Emeritus Scientist, UCOST	
Point of Contact	Col Madhukar Bhat +91 8393885560	mbhat13@gmail.com	
Special Technical Session 19. Organizer: ICAR-Indian Institute of Soil and Water Conservation, Dehradun	Climate Resilient Technologies(CRT's) for Sustainable Natural Resource Management in Hill and Mountain Ecosystem 30 November 2023 - day - 16.15 to 17:45 Hrs		LT-3
Chair	Dr. M. Madhu	Director, ICAR-IISWC, Dehradun	
Chair	Dr. D.V. Singh	Head, ICAR-IISWC, Dehradun	
Panelist	Dr. R. K. Singh	Head, Hydrology & Engineering, ICAR-IISWC, Dehradun	
Panelist	Dr. J.M.S Tomar	Head, Plant Science, ICAR-IISWC, Dehradun	
Panelist	Dr. M. Muruganandam	Principal Scientist, ICAR-IISWC. Dehradun	
Point of Contact	Dr. R. K. Singh- +91 9436731762	rksingh_ars@yahoo.com	

Special Technical Session 20	Early Warning Systems- A Key Tool to Reduce the Impact of Climate Change-Induced Disasters		LT-4
Organizer: RMSI	30 November 2023 - day - 16:15 to 17:45		
Chair	Pushendra Johari	SVP, Sustainability, RMSI	
Co-Chair	Dr. Sushil Gupta	VP, Sustainability, RMSI	
Panelist	Dr. Sonam Lotus	Director IMD, UT of Ladakh	
Panelist	Dr. Girish Joshi	Sr. Disaster Management Consultant, UDRP	
Panelist	Dr. Satya Priya	Senior Water Resource Management Specialist, World Bank	
Panelist	Dr. Mrutyunjay Mohapatra	Dr. Mrutyunjay Mohapatra, Director General of Meteorology, IMD	
Panelist	Dr. Srikrishnan Siva Subramanian	Assistant Professor, IIT Roorkee	
Point of Contact	Swati Kapoor- +91 9717854888	Swati.Kapur@rmsi.com	

SPECIAL FEATURE EVENTS

28 NOVEMBER 2023 | TUESDAY

16:15 TO 18:00

Venue : CSIT Building, Graphic Era (Deemed to be University), Dehradun

Role	Resource/Presenter	Organization	Venue
SFE 1: Organized by: Samarthanam Trust for the Disabled	Inclusion - Disaster Risk Reduction and Climate Change What is the need of the hour?		Conference Hall
Panelist	Mr. Rajendraa K	Mentor, Samarthanam Trust for the Disabled, Bangalore, India.	
Panelist	Mr. Shailender Yadav	Honorary Director, Samarthanam Trust for Disabled, North India	
Panelist	Mr. Muthuraj	Assistive Technonology Lead, Samarthanam Trust for the Disabled	
Panelist	Mr. Govardhan	Manager, Health and Disaster program, Samarthanam Trust for the Disabled	
Panelist	Mr Shivaram Deshpande	Head Operations, Samarthanam Trust for the Disabled	
Panelist	Mr S P Chamoli	Innovations in inclusive Search and Rescue in Relief and Resilience	
Point of Contact	Mr. Shailender Yadav - +919911711608	shailender@samarthanam.org	
SFE 2: Organized by: Shailender Gaur	Introduction of Hybrid Technology - Emission Free Technology 28 November 2023 - Tuesday - 16:15 to 18:00		Seminar Hall

29 NOVEMBER 2023 | WEDNESDAY

16:15 TO 18:00

Role	Resource/Presenter	Organization	Venue
SFE 3: Organized by: Red Cross, Ghana	Integrated Preparedness Event - Bridging First Aid Excellence and Disaster Response Simulations		Conference Hall
Panelist	Mr. Huseini Kamara	Red Cross, Ghana	
Panelist	Mr. Benjamin Acquah	Red Cross, Ghana	
Panelist	Dr N S Bisht	Senior Physician, Doon Hospital	
Panelist	Dr. Nitish Kamboj	Medical Practitioner, Dehradun	
Point of Contact	Dr. Geeta Vaidyanathan +918763146298	geeta.vaidyanath@gmail.com	
SFE 4: Organized by: People's Power Collective	Resonating Resilience : A Panel Discussion on the Vital Role of Community Radio Stations & Future Pathways in Disaster Management		Seminar Hall
Panelist	Mr. Shivanand Nautiyal	Founding Member, Community Radio Station "Mandakini ki Aawaz", Rudraprayag	
Panelist	Mr. Navneet Gairola	Station Head, Radio Zindagi, Dehradun	
Panelist	Mr. Mohan Karki	Community Radio Station, Kumaon Vani, Nainital	
Panelist	Shri R J Kavya	OHO Radio	
Panelist	Mr. Arun Sarkar	Programs Associate, People's Power Collective	
Panelist	Ms. Nidhi Anand	Head of Programs, People's Power Collective	
Point of Contact	Ms. Nidhi Anand +91 8393003399	nidhi@peoplespower-co.org	

30 NOVEMBER 2023 | THURSDAY

14:30 TO 18:00

SFE 5: Organized by: IMI	Disaster Risk Reduction and Community Resilience: Voices from the Grassroots	
Chair	Mr. Ramesh Negi	Integrated Mountain Initiative (IMI)
Co-Chair & Keynote	Dr. Rajan Kotru	Integrated Mountain Initiative (IMI)
Moderator	Dr. G S Rawat	Emeritus Scientist UCOST, Dehradun
Panelist	O/o Principal Scientific Advisor - AGNli	Government of India
Panelist	Mr Prahlad Adhikari	UCOST, Dehradun
Panelist	Ms. Liyum Ete	Arunachal News, Arunachal Pradesh
Panelist	Dr. B.B. Bhatt	Arunachal Pradesh
Panelist	Mr. Thupstan Chogyal	Leh
Panelist	Mr. Thinles Dorjay	Ladakh
Panelist	Mr. Anil Sharma	Jammu
Panelist	Ms. Safina Baig	Kashmir
Panelist	Mr. Benjamin Lalbiakmawia	Aizwal, Mizoram
Panelist	Dr. Laldinpuia	Aizwal, Mizoram
Panelist	Shri Rajinder Tivari	Sirmaur, Himachal Pradesh
Panelist	Mr. Bhagat Negi	Kinnaur, Himachal Pradesh
Panelist	Prof. Reema Pant	Graphic Era Deemed to be University, Dehradun
Panelist	Mr. Rajendra Bisht	Gangolihat, Pithoragarh, Uttarakhand
Panelist	Mr. Chandrasekhar Chauhan	Bhyundar, Chamoli, Uttarakhand
Panelist	Mr. Yogesh Garbyal	Rang Kalyan Sanstha, Dharchula
Panelist	Dr. Kamla Pant	Educator & Writer
Panelist	Ad. Girish Pant	Legal Practitioner, Haldwani
Panelist	Dr. Siddarth Patni	Medical Practitioner, Govt. of Uttarakhand
Panelist	Mr Harish Bhatt	Social Worker
Point of Contact	Dr. G S Rawat - +91 9690253814	gsrawat59@gmail.com

30 NOVEMBER 2023 | THURSDAY

16.00 TO 18:30

SFE 6: Organized by: PLANT	Guardians of the Planet Children and Youth in Disaster Risk Reduction & Climate Resilience	
Chair	Dr Narpinder Singh	Vice Chancellor, Graphic Era Deemed to be University, Dehradun
Co-Chair	Dr. Seema Joshi	Vice President, Strategic Initiatives, ESRI India
Co-Chair	Mr. Lars Bernd	Former - DRR Specialist - Unicef
Moderator	Reshma Shreya K	Fellow, Teach for India (TFI)
Keynote	Dr Bhanu Pratap Mall	Adviser to UP-SDMA
Panelist	Dr Romila Chandra	Assistant Professor, Doon University, Dehradun
Panelist	Ms Maitreyee Sayyonee	Consultant, Australia
Panelist	Ms Saleha Khan	Save the Children, Mumbai
Panelist	Ms Sarita Mohanty	Youth Champion, Kendrapara, Odisha
Panelist	Ms Neha Jain	Project Lead, Climate READY, New Delhi
Panelist	Ms Jauna Kukreja	Graphic Era Deemed to be University, Dehradun
Panelist	Ms Madhusmita Parida	Youth Champion, Kendrapara, Odisha
Panelist	Mr Kumar Raushan	Masters in Disaster Studies, JNU, New Delhi
Panelist	Mr Ohidur Zaman & Team	Bangladesh
Panelist	Mr Manish Vishnoi	Program Manager, DMICS, Hyderabad
Panelist	Mr Ayush Joshi	Ideal Foundation, Uttarakhand
Panelist	Mr Babapati Birjaprasad	Director, Natures Club
Panelist	Mr Anand Kanoo	Unicef, Assam
Point of Contact	Reshma Shreya K - +91 9205649737	shreyakan97@gmail.com

SCHEDULE OF TECHNICAL SESSIONS (TS) - ORAL PRESENTATIONS

31 Technical Sessions, Three hours each (including a tea break) will have a Chair, Co-Chair & Rapporteur

Technical Session Theme 1 : Innovations In Disaster Risk Reduction And Resilience

Date & Time	TS No.	Technical Session Name (revised sub-theme)	Sub Theme of Technical Session (as submitted by author(s))	Count	Abstract Numbers	ROOM
Day 1 28th Nov. 2023 (14:30 to 18:00)	1	CARA-1: Community Action/Networks & Risk Assessment - 1	1.1: Community Action including Informal Networks	8	8, 275, 453, 475, 493, 564, 595, 615	CR1
			1.3: People-centric Development	13	179, 273, 315, 346, 350, 355, 358, 617, 636, 675, 694, 783, 794	
	2	CARA-2 : Community Action/Networks & Risk Assessment - 2	1.9: Risk Assessment	22	20, 34, 78, 103, 119, 123, 142, 144, 151, 166, 175, 195, 216, 237, 239, 247, 289,	CR2
			1.9: Risk Assessment	15	421, 443, 516, 546, 560, 575, 576, 580, 593, 607, 660, 698, 723, 744, 795	
	3	CARA-3: Community Action/Networks & Risk Assessment - 3	1.10: Social Protection - Informal Economy, Women, and the Marginalized	6	113, 184, 186, 272, 410, 541	CR3
			1.2: Disaster Response Systems, Grassroots Approaches	24	38, 54, 66, 68, 89, 99, 156, 206, 207, 208, 209, 212, 215, 260, 312, 344, 349, 414,	
	5	DRCR-2: Disaster Responses & Community Resilience - 2	1.2: Disaster Response Systems, Grassroots Approaches	24	522, 524, 530, 532, 539, 542, 543, 545, 548, 565, 566, 570, 579, 583, 584, 588, 598, 600, 614, 640, 685, 779, 793, 809	CR5
			1.11: Strengthening DRR and Resilient Systems	20	6, 21, 22, 23, 25, 45, 57, 65, 74, 75, 77, 87, 98, 102, 114, 133, 143, 153, 174, 180	
	7	DRCR-4: Disaster Responses & Community Resilience - 4	1.11: Strengthening DRR and Resilient Systems	20	59, 223, 229, 246, 280, 306, 316, 361, 363, 492, 511, 529, 536, 554, 757, 777, 778,	CR7
			1.4: Recovery and Reconstruction	17	41, 86, 131, 189, 288, 322, 462, 531, 573, 651, 673, 696, 707, 752, 760, 764, 800	
9	BRS-2: Building Resilient Systems - 2 (including Recovery & Reconstruction; Economic, Environmental, Financial and	1.5: Resilient Economic Infrastructure	6	30, 302, 320, 360, 411, 474	CR9	
		1.6: Resilient Environmental Infrastructure	9	221, 298, 438, 458, 505, 514, 589, 601,		
10	BRS-3: Building Resilient Systems - 3 (including Recovery & Reconstruction; Economic, Environmental, Financial and Social Infrastructure; and Sustainable Natural Resources Management)	1.7: Resilient Financial Systems	2	534, 538	CR10	
		1.8: Resilient Social Infrastructure, Reaching the Last Mile	11	44, 82, 101, 108, 128, 234, 282, 323, 419,		

Technical Session Theme 2: Challenges in Tackling DRR issues

Date & Time	TS No.	Technical Session Name (revised sub-theme)	Sub Theme of Technical Session (as submitted by author(s))	Count	Abstract Numbers	ROOM
Day 2 29th Nov. 2023 (14:30 to 18:00)	11	CAMR: Climate Adaptation & Mitigation for Resilience	2.1: Climate Adaptation for Resilience	15	33, 173, 183, 200, 203, 204, 279, 290, 313, 356, 381, 416, 467, 729, 788	CR4
			2.2: Decarbonization and Disaster-Risk-Reduction Equation	1	24	
			2.7: India's G20 Leadership – WG-DRR: Lessons on the Way Forward	1	380	
	12	IGP-D: Inclusive Governance & Policy for DRR & DRRM planning	2.3: Equity and Inclusiveness, Women-centric, People-oriented DRRM Planning	8	55, 67, 76, 146, 176, 357, 496, 746	CR5
			2.6: Governance and Policy Issues in DRR	20	5, 58, 100, 134, 138, 211, 233, 264, 278, 345, 407, 437, 463, 692, 709, 727, 749,	
	13	TS-DRR: Technology Systems for DRR	2.4: Finance and/or Technology Challenges in DRR	4	157, 255, 299, 592	CR6
			2.5: Forecasting and Early Warning Coverage & Systems	5	122, 267, 297, 319, 731	
			2.8: Multi-hazard Early Warning Cooperation	4	28, 51, 277, 513	
			2.9: Resilient Aviation in a Changing Climate	1	7	
			2.10: Roads, Railways, and Bridges Risk Assessment and Mitigation	5	106, 326, 613, 620, 763	
	14	VTCH : Vulnerability to Climate Hazards	2.11: Spatial Technologies for DRM	5	136, 164, 562, 632, 665	CR7
			2.12: Vulnerability to Climate Hazards	25	26, 37, 84, 116, 117, 118, 120, 127, 182, 194, 222, 232, 235, 238, 250, 274, 286, 324, 336, 733, 738, 742, 748, 811, 815	

Technical Session Theme 3: Multidisciplinary Research and Best Practices

Date & Time	TS No.	Technical Session Name (revised sub-theme)	Sub Theme of Technical Session (as submitted by author(s))	Count	Abstract Numbers	ROOM
Day 2 29th Nov. 2023 (14:30 to 18:00)	15	CS-TFCP-1: Case Studies - Technology, Finance, Capacity Building and Policy - 1	3.2: Case studies / Best Practices – Financing DRR	1	686	CR1
			3.3: Case studies / Best Practices – Legal and Policy	12	2, 29, 32, 124, 163, 202, 371, 468, 606,	
			3.5: Case studies / Best Practices – Technology, Finance, Capacity Building	8	18, 79, 93, 121, 178, 262, 266, 270	
	16	CS-TFCP-2: Case Studies - Technology, Finance, Capacity Building and Policy - 2	3.5: Case studies / Best Practices – Technology, Finance, Capacity Building	21	292, 310, 314, 321, 348, 404, 408, 430, 466, 555, 556, 578, 591, 596, 599, 608, 618, 629, 634, 639, 641	CR2
			3.5: Case studies / Best Practices – Technology, Finance, Capacity Building	22	646, 650, 655, 661, 666, 667, 676, 677, 679, 682, 683, 688, 699, 704, 713, 714, 724, 725, 726, 737, 785, 797	
	18	CS-NBS-1: Case Studies - Nature-based Solutions - 1	3.4: Case studies / Best practices – Nature-based Solutions	19	95, 130, 155, 181, 317, 318, 343, 367, 415, 422, 442, 461, 495, 526, 563, 569, 571,	CR8
			3.4: Case studies / Best practices – Nature-based Solutions	18	587, 590, 604, 622, 642, 645, 649, 652, 659, 662, 663, 664, 706, 722, 774, 784,	
	20	MDB-S&C : Methodologies, Data Bases, Standards & Certification	3.7: Methodologies & Frameworks for DRRM, Digital Risk Database (EWS)	12	4, 9, 91, 170, 172, 242, 261, 387, 409, 424, 455, 703	CR10
			3.8: Standards and Certification	8	230, 605, 623, 624, 628, 631, 668, 771	
	21	CS-CS&I : Case Studies - Cities, Settlements & Infrastructure	3.1: Case studies / Best Practices – Cities, Settlements, Infrastructure	28	15, 27, 69, 81, 92, 94, 105, 109, 152, 193, 214, 225, 253, 276, 296, 305, 307, 327, 389, 393, 418, 525, 619, 721, 734, 736,	CR11
			3.6: Innovation and Emerging Technologies including EWS	31	19, 49, 197, 241, 258, 294, 366, 396, 413, 423, 449, 450, 497, 501, 528, 550, 552, 557, 574, 577, 585, 616, 671, 672, 674,	

Technical Session Theme 4: Mountain Specific Hazards and their Management

Date & Time	TS No.	Technical Session Name (revised sub-theme)	Sub Theme of Technical Session (as submitted by author(s))	Count	Abstract Numbers	ROOM
Day 3 30th Nov. 2023 (14:30 to 18:00)	23	IK-RMC : Indigenous knowledge & Resilient Mountain Communities	4.2: Community-based Disaster Management and Indigenous	6	192, 210, 347, 521, 818	CR1
			4.4: Enhancing Resilience and Preparedness of Mountain Communities	16	16, 17, 48, 50, 52, 53, 56, 73, 90, 158, 217, 257, 425, 446, 499, 786	
	24	LS-EPML-1: Landslide & Land Subsidence and Emergency Preparedness in Mountain Landscapes - 1	4.3: Emergency Preparedness and Response in Mountain Landscapes	8	145, 311, 431, 470, 487, 609, 775, 807	CR2
			4.7: Landslide and Land Subsidence	13	46, 47, 85, 88, 112, 159, 160, 167, 171,	
	25	LS-EPML-2: Landslide & Land Subsidence and Emergency Preparedness in Mountain Landscapes - 2	4.7: Landslide and Land Subsidence	21	293, 342, 352, 354, 364, 399, 402, 454, 456, 473, 479, 626, 697, 728, 754, 765, 768, 792, 796, 805, 806	CR3
			4.1: Avalanche, Snowstorms, Blizzards and Rockfall Readiness	1	594	
	26	GHMC : Geomorphological Hazards in Mountain Communities	4.6: Glacial Retreat and Glacier Lake Outburst	11	1, 40, 64, 72, 83, 390, 417, 740, 755, 756,	CR4
			4.10: Seismic Risks, Earthquakes and Mountain Environment	10	162, 177, 218, 269, 384, 392, 406, 701,	
27	FFF-M: Floods and Flash Floods in Mountains	4.5: Floods and Flash Floods in Mountains	20	10, 36, 80, 135, 213, 281, 303, 325, 341, 382, 383, 400, 428, 433, 572, 680, 691,	CR5	
		4.8: Protecting Mountain Biodiversity and Ecosystem Services	12	13, 14, 141, 149, 243, 284, 441, 502, 693,		
28	RI-ES: Resilient Infrastructure & Ecosystem Services	4.9: Resilient Infrastructure in the Himalayan Ecosystem	8	96, 107, 115, 137, 154, 401, 427, 741	CR6	

Technical Session Theme 5: Traditional Risk Reduction Practices and Voices from the Grassroots

Date & Time	TS No.	Technical Session Name (revised sub-theme)	Sub Theme of Technical Session (as submitted by author(s))	Count	Abstract Numbers	ROOM
Day 3 30th Nov. 2023 (14:30 to 18:00)	29	CB-DRR : Community-based DRR	5.1: Community-based Disaster Risk Reduction	14	97, 110, 132, 161, 168, 201, 224, 259, 285, 362, 491, 517, 540, 801	CR8
			5.2: Constraints in Promoting Traditional Practices	1	523	
			5.3: Disaster Risk Management in Fisheries, Aquaculture	p	70, 459	
	30	TKS-DRR-1 : Traditional Knowledge Systems for Disaster Risk Reduction - 1	5.5: Human-engineered Conflicts (Mitigation of)	4	43, 429, 498, 767	CR9
			5.4: Nature-based Solutions for DRR	3	12, 61, 198	
			5.7: Rebuilding in the Aftermath of the COVID-19 Pandemic	3	169, 426, 489	
			5.8: Scientific Validation of Traditional Knowledge	2	669, 789	
			5.9: Traditional Disaster Risk Reduction Practices of the People	4	125, 139, 196, 287	
	31	TKS-DRR-2 : Traditional Knowledge Systems for Disaster Risk Reduction - 2	5.10: Traditional Knowledge and Innovations from the Grassroots	11	35, 126, 129, 219, 227, 304, 308, 420, 611,	CR10
			5.10: Traditional Disaster Risk Reduction Practices of the People	23	330, 331, 332, 333, 334, 335, 337, 338, 339, 340, 351, 353, 359, 368, 369, 370,	

DAY 1: 28 NOVEMBER

TIME: 14:30 TO 18:00

**TECHNICAL SESSION THEME 1:
INNOVATIONS IN DISASTER RISK REDUCTION AND
RESILIENCE.**

CHAIR: MS NELLIE ODUOR (KENYA)
CO-CHAIR: BRIG D K KHANNA (UNDRR-ARISE) , DR MANINDER (UCDI)
RAPPORTEUR: MS PRITHA ACHARYA (NIDM)

1.1: COMMUNITY ACTION INCLUDING INFORMAL NETWORKS

8 : Empowering Resilience: Case example of Civil Society-Led Community-Based Disaster Management in the Nilgiris Region

Dr. Kanagaraj Saminathan, Amrita School of Social and Behavioural Sciences, Coimbatore, Amrita Vishwa Vidyapeetham, India

275 : THE ROLE OF PHYSIOTHERAPIST IN DISASTER MANAGEMENT-

Dr. Rupam Sarkar, Maharashtra University of Health Sciences, India

453 : Facilitating community action through state intervention --A call for adoption of improvised models -

Ms. Jnanita Asapu, Jawaharlal Nehru University, India

475 : CIRCLE OF DISASTER MANAGEMENT: A THEORETICAL APPROACH

Ms. Trisha Sharma, Himalayiya University, Dehradun, Uttarakhand, India

Ms. Simran Singh, Himalayiya University, Dehradun, Uttarakhand, India

Dr. Shailendra Kumar Pokhriyal, Himalayiya University, Dehradun, Uttarakhand, India

493 : Disaster Management in Hilly Areas and response of Emergency Healthcare System

Dr. Ruchi Mehrotra Joshi, Graphic Era (Deemed to be) University, Dehradun, India

Dr. Kishor Joshi, MIRA Heart, India

Ms. Sonali Aggarwal, Graphic Era (Deemed to be) University, Dehradun, India

564 : Title: Leveraging Artificial Intelligence for Enhanced Natural Disaster Management

Mr. Gautam Singh Jyala, Graphic ERA Hill University, India

595 : Digital twin

Ms. Drishti Dasgupta, Graphic ERA Hill University, India

615 : Leveraging ChatGPT in Disaster Management: Enhancing Response, Communication, and Preparedness

Mr. Ashutosh Rawat, Graphic ERA Hill University Dehradun, India

1.3: PEOPLE-CENTRIC DEVELOPMENT

179 : Mindful Resilience: Fostering Mental Health and Wellness in the Face of Disaster

Dr. SARANSH RAJA, NTPC LIMITED, India

273 : Co Design A community participation model for disaster management

Dr. Kankana Narayan Dev, Tezpur University, India

315 : Buddhist Ethics and the Environment

Mr. Hieu Ho Duc, University of Lucknow, Vietnam

346 : Impact of Al Jazeera News Websites and Facebook Videos on Rohingya Crisis

Ms. Syeda Maliha Huq, Sunway University Malaysia, Bangladesh

Dr. Akbaruddin Ahmad, Country

350 : The Role of SMEs in Climate Action: Bridging Employee Wellbeing and Disaster Resilience

Mr. Ho Hoang Ton, University of Lucknow, India

355 : Portrayal of Disaster in Painting: A Comprehensive Analysis of Ten Masterpieces

Mr. Shouvic Lohour, University Of Lucknow, Bangladesh

358 : Awareness and Education in Disaster Management

Dr. Mohammad Taqi Royesh, Lucknow University, Afghanistan

617 : Ai Revolutionising Marketing

Mr. Anshul Panwar, Graphic ERA Hill University, India

636 : Innovation in AI

Mr. Shreyansh Uniyal, Graphic ERA Hill University, India

675 : Computer Science and Machine Learning in Medical Advancements

Mrs. Shivani Jugran, Graphic ERA Hill University Dehradun, India

694 : Addressing Mental Trauma and Psychological Resilience in Disaster Management: A Comprehensive Approach

Ms. Maitreyee Sayyonee, My Future My Way Pty Ltd, Australia

783 : A new disaster management strategy with an emphasis on human-centric development to promote long-term growth and improve the population's socioeconomic status.

Dr. Sumanta Bhattacharya, NALSAR, India

Ms. Bhavneet Kaur Sachdev, Calcutta University, India

794 : Plastic Waste to Energy and Biofuels

Mrs. AAKANSHA Pal, Graphic Era Deemed to be University., India

Mrs. Prathibha Naithani, Graphic Era Deemed to be University, India

Ms. Sonali Sharma, Graphic Era Deemed to be University, India

TS 2 CARA-2 : COMMUNITY ACTION/NETWORKS & RISK ASSESSMENT

CHAIR: DR. ASHISH THAPLIYAL (GEU)

CO-CHAIR: DR. PARTH J DAS (ARANYAK) , DR. PRIYANKA PANDEY (DBS- DEHRADUN)

RAPPORTEUR: MR. DEEP CHAND

1.9: RISK ASSESMENT**20 : Hazard Risk Vulnerability and Capacity Analysis: A psychosocial perspective in disaster rick reduction.**

Mr. Anil Hemanna Doddamani, NIMHANS, India

Dr. Sanjeev Kumar Manikappa, NIMHANS, India

Dr. Sekar Kasi, NIMHANS, India

Mr. Sathishkumar A, NIMHANS, India

34 : Recurring Catastrophic Disasters in NW Himalaya – Issues of Vulnerability and Risk Assessment

Dr. Devi Dutt Joshi, Director (Retired), Geological Survey of India, India

78 : Climate Proofing of Critical Infrastructure in India: Mainstreaming Climate Action Using a Risk-based Approach to Infrastructure Development

Ms. Pallavi Dhandhanian, Council on energy, environment and water, India

Ms. Ahana Chatterjee, Council on energy, environment and water, India

Dr. Vishwas Chitale, Council on energy, environment and water, India

Ms. Shreya Wadhawan, Council on energy, environment and water, India

103 : Detection and Mapping of Flood Inundated Areas using SAR and Deep Learning

Ms. Aishwarya Makwana, Indian Institute of Remote Sensing, Andhra University, India

119 : Flood Mapping and Flood Risk Zonation in Chiplun Tehsil of Maharashtra, India

Ms. Sai Shelar, Savitribai Phule Pune University, Pune, Maharashtra, India, India

Prof. Sudhakar Pardeshi, Savitribai Phule Pune University, Pune, Maharashtra, India, India

123 : Identification of HEC risk zone using various Geo-environmental variables in GIS environment: A study on Rangjuli Forest Range Of Goalpara District, Assam

Mr. Alinda Hazowary, Bhattadev University, India

Dr. Dipak Baruah, Bhattadev University, India

142 : Impact of flood in the utilization of reproductive healthcare services in rural India: Insights from the National Family Health Survey-5, 2019–21

Ms. Jayanti Saha, Jawaharlal Nehru University, India

144 : Promotion of the Disaster Risk Assessment Tool for Hospitals in India

Dr. Nidhi Yadav, International Institute of Health Management Research (IIHMR) Delhi, India
Ms. Atisha Sood, National Institute of Disaster Management, India
Dr. Anil Kumar, National Institute of Disaster Management, India

151 : WEATHER BASED ADVISORY SYSTEM AND FIELD-BASED RESEARCH INTERVENTION FOR CLIMATE RISK REDUCTION IN AGRICULTURE

Dr. Ratnesh Kumar Jha, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India
Dr. Abdus Sattar, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India
Dr. Ashutosh Singh, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India
Dr. Sudeshna Das, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India

166 : Sustainability and climate change

Mr. Tushar Sahu, Shri Ramswaroop Memorial University, India
Ms. Nashra Farooqui, Shri Ramswaroop Memorial University, India
Mr. Tushar Sahu, Shri Ramswaroop Memorial University, India

175 : HOW COVID AND OTHER DISASTERS AFFECTED INDUSTRIES IN THE PALGHAR REGION.

Mr. Vivekanand V. Kadam, Swami Ramanand Teerth Marathwada University, Nanded, India
Dr. Pramod Patil, Swami Ramanand Teerth Marathwada University, Nanded, India

195 : FACTORS RESPONSIBLE FOR ADAPTIVE CAPACITY OF FARMING COMMUNITY IN CLIMATE VULNERABLE STATES OF INDIA: AN ANALYTIC HIERARCHY PROCESS MODEL

Dr. Sudhanand Prasad Lal, Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar, India,
Mr. Biswajit Mallick, Ph.D. Scholar, India
Mr. Alongber Basumatary, Agriculture Graduate Trainee, Indian Farmers Fertilizer Cooperative Limited (IFFCO), India, India
Prof. Ratnesh Kumar Jha, Dr. Rajendra Prasad Central Agricultural University, Pusa, India
Ms. Rupashree Senapati, Dr. Rajendra Prasad Central Agricultural University, Pusa, India

216 : Role of Coastal Green and Gray Infrastructure in Coastal Risk Assessment for Tamil Nadu: A Case Study

Dr. Mayamanikandan Thangavelu, National Centre for Coastal Research, India
Dr. S K Dash, National Centre for Coastal Research, India
Dr. Tune Usha, National Centre for Coastal Research, India
Dr. M V Ramana Murthy, National Centre for Coastal Research, India

237 : Estimating Climate-induced Residual Loss and Damage: A Comprehensive Risk Assessment of Amphan 2020

Ms. Devdyuti Bose, Indian Institute of Technology Bombay, India
Prof. Trupti Mishra, Indian Institute of Technology Bombay, India

239 : Assessing Flood Susceptibility and Quantifying Flood Hazard across the Vast Ganga Sub-basin through a Coupled Framework of Geomorphic Descriptors and Advanced Machine Learning Techniques

Mr. Vaibhav Tripathi, Indian Institute of Technology Roorkee, India
Prof. Mohit Prakash Mohanty, Indian Institute of Technology Roorkee, India

247 : Climate change challenges on the physical livelihoods of coastal fishermen community of Malappuram, Kerala, India

Dr. Bindu MV, NCSCM, India

289 : Dynamic System Level Multi-Hazard Risk Assessment Tool: A spatial-temporal approach to quantify the evolving exposure to hazards with climate change.

Dr. Prerna Singh, UNDP, India
Dr. Adjo Amekudzi Kennedy, Professor, United States
Mr. Zhongyu Yang, Doctoral Student, United States

291 : Understanding association between Compound extremes: A comprehensive review towards flood and drought risk reduction

Mr. Mayank Tyagi, Indian Institute of Technology Roorkee, India

295 : RESERVOIR SEDIMENTATION ASSESSMENT OF TEHRI RESERVOIR USING SAR DATA

Ms. Chandni Verma, Indian Institute of Remote Sensing, ISRO, Dehradun, India

328 : Disaster Management in Tajikistan by Nazarov Rustom

Mr. Rustom Nazarov, University of Lucknow, India

395 : Seismic risk potential of NW Himalaya: Inferences based on attenuation model

Dr. Vandana Ghangas, Wadia Institute of Himalayan Geology, India

Dr. Naresh Kumar, Scientist, India

Dr. O. P. Mishra, Director, India

412 : DISASTER RISK ASSESSMENT AND VULNERABILITY ANALYSIS IN ZIMBABWE

Ms. Sandile Ncube, Lucknow University, Zimbabwe

TS 3

CARA-3: COMMUNITY ACTION/NETWORKS & RISK ASSESSMENT

CHAIR: DR SHEFALI AGARWAL (IIRS)

CO-CHAIR : DR D P UNIYAL (UCOST), DR. GAJENDRA SINGH (USAC)

RAPPORTEUR: MR. AKASH DEEP

1.9: RISK ASSESMENT

421 : SITE-SPECIFIC SEISMIC HAZARD AND GROUND RESPONSE ANALYSIS OF CUTTACK DISTRICT, ODISHA: A CASE STUDY

Mr. Satyaprakash Mishra, National Institute of Technology Silchar, India

Dr. Arjun Sil, National Institute of Technology Silchar, India

Dr. Amit Kumar Das, National Institute of Technology Silchar, India

443 : A review of landslide susceptibility assessment models used for near real-time monitoring.

Mrs. Sheetal Bisht, Graphic era (Deemed to be University), India

Dr. Kishan Singh Rawat, Graphic Era (Deemed to be University), India

516 : Crop Disease Surveillance and Early Warning Systems

Dr. Supriya Gupta, Graphic ERA Hill University Dehradun, India

Dr. Anupama Rawat, Assistant Professor, India

Dr. Pallavi Bhatt, Assistant Professor, India

Dr. Somya Misra, Assistant Professor, India

Dr. Vivek Kumar Pathak, Assistant Professor, India

546 : "Using Early Warning Systems: A Partnership Between Humanity and Technology to Manage Disasters"

Mr. Sparsh Rajput, Graphic ERA Hill University Dehradun, India

560 : BIG DATA ANALYSIS FOR DISASTER MANAGEMENT

Mr. Mudit Bahuguna, Graphic ERA Hill University, India

575 : Role of Quantitative Analysis in Disaster Management

Mr. Ayush Rawat, Graphic ERA Hill University Dehradun, India

576 : Harnessing Artificial Intelligence for Predicting Potential Outcomes of Natural Disasters

Mr. Ashish Gujjar, Graphic ERA Hill University, India

580 : AI and Robotics for search and rescue in disaster

Mr. Samrat Singh, Graphic ERA Hill University Dehradun, India

593 : Augmented Reality in Disaster Management: Enhancing Preparedness and Response

Mr. Aditya Kumar Dubey, GRAPHIC ERA HILL UNIVERSITY, India

607 : Ballistic Missile Trajectory Prediction

Mr. Shivam Chauhan, Graphic ERA Hill University, India

660 : Advancing Innovation in Disaster Risk Reduction and Resilience Through Effective Risk Management

Mr. Nikhil Thayat, Graphic ERA Hill University, India

698 : FOREST FIRE RISK ASSESSMENT USING REMOTE SENSING AND GIS: A STUDY OF UTTARAKHAND STATE

Mr. Shivam Attri, Graphic ERA Hill University, India
 Prof. Avnish Chauhan, Graphic ERA Hill University, Dehradun, India
 Prof. Kamal Kant Joshi, Graphic ERA Hill University, Dehradun, India

723 : Disaster Risk Reduction and Climate Change in Thailand.

Ms. Linna Jaitahan, University of Lucknow, India

744 : REGIONAL FLOOD FREQUENCY ANALYSIS FOR UPPER NARMADA BASIN OF CENTRAL INDIA USING ANN

Dr. Deepshikha Shukla, Graphic Era (Deemed to be) University, India
 Ms. Namrata Chandel, Department of Civil Engineering, Acropolis Institute of Technology & Research, Indore, India
 Dr. J. N. Patel, Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology, India
 Dr. P. G. Agnihotri, Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology, India

1.10: SOCIAL PROTECTION - INFORMAL ECONOMY, WOMEN, AND THE MARGINALIZED**113 : Disaster Management Policy For Transgenders Comparative Analysis: Developed Countries And India.**

Mr. Vivekanand V. Kadam, Collector office, Palghar, Govt of Maharashtra, India
 Dr. Pramod H Patil, Swami Ramanand Teerth Marathwada University, Nanded., India

184 : Biofortification Against Hidden Hunger: Current State, Progress and Challenges

Ms. Pooja Srivastav, SR University, India
 Mr. Karthik HP, SR University, India
 Mr. Sai Krishna Reddy T, SR University, India
 Dr. Soujanya T, SR University, India
 Ms. Bhuvana Sri P, SR University, India

186 : Plant Biofortification to fight anaemia: Potential impact on hidden hunger for iron

Ms. Pooja Srivastav, SR University, India
 Ms. Soujanya T., SR University, India
 Mr. Karthik HP, SR University, India
 Ms. Bhuvana Sri P., SR University, India
 Mr. Sai Krishna Reddy T., SR University, India
 Ms. Lavanya K., SR University, India

272 : An Analysis of Socio-Economic Vulnerability to Natural Hazards: A Case Study of Uttarakhand

Dr. Desh Deepak Singh, University of Allahabad, Prayagraj, India
 Prof. Azizur Rahman Siddiqui, University of Allahabad, India

410 : Urban Slums and Socio-Ecologies of Risk, Disaster and Community Resilience

Mr. Abhijeet Mishra, University of Delhi, India

541 : REMOTE SENSING IN DISASTER MANAGEMENT

Ms. Isha Bharti, Graphic ERA Hill University, India

TS 4 DRCR-1: DISASTER RESPONSES & COMMUNITY RESILIENCE

CHAIR: MS JOHANITA WINNIE (MADAGASCAR)

CO-CHAIR: DR. KIRAN NEGI (HESCO)

RAPPORTEUR: SURIAY HASAN

1.2: DISASTER RESPONSE SYSTEMS, GRASSROOTS APPROACHES**38 : Seismic Safeguard: Pioneering Earthquake Early Warning Systems for a Resilient Future**

Mr. KHANDOKAR RAFEZUL HAQUE, Bangladesh Navy, Bangladesh

54 : Sustainable Post-Disaster Humanitarian Relocation Aiming Cost And Time Depreciation: Optimizing Conveyance Choices through MCDM

Mr. Mayank Singh Bhakuni, PhD scholar, India
 Ms. Pooja Bhakuni, PhD scholar, India
 Dr. Amrit Das, Assistant Professor (Grade II), India

66 : Disaster risk reduction and resilience through enhanced naval collaboration amongst BIMSTEC, SAARC and ASEAN countries
Mr. K S M INTISAAR INZIMAM, Bangladesh Navy, Bangladesh

68 : Warning, evacuation and community response reduced loss of human life due to the impact of tropical cyclone Yaas in Odisha
Dr. Damodar Panda, Utkal University, India
Dr. Maya Devi, KiiT University, India

89 : Rapid need assessment of Karnataka flood survivors for mental health and psychosocial support
Dr. Sanjeev Kumar Manikappa, NIMHANS, India
Mrs. Tansa KA, NIMHANS, India
Mr. Anil Hemanna Doddamani, NIMHANS, India
Dr. Sekar Kasi, NIMHANS, India
Ms. Urmila Bamney, NIMHANS, India

99 : Title: Social Unrest of Manipur
Ms. SHRISTI PRIYA, XAVIER INSTITUTE OF SOCIAL SERVICE, India

156 : Evaluating Community Response to Fire: A Case of JJ Clusters in Delhi, India
Ms. SATORUPA KARMAKAR, PhD Student, India
Dr. UPASNA SHARMA, Associate Professor, India
Dr. DAVID LANGE, Associate Professor, Australia

206 : CASE STUDY- EFFECTIVENESS OF CLIMATIC DATA IN EARLY PREDICTING OF WILDFIRE OF FIRE PRONE AREA
Ms. Saba Afshaan A, AUTOSKY AEROSPACE Pvt Limited, India
Dr. Sukanta Roy, AUTOSKY AEROSPACE Pvt Limited, Country

207 : MINIMIZATION OF FALSE ALARM IN ACTIVE FIRE DETECTION USING COMPOSITION OF RADAR AND OPTICAL IMAGERY IN DEEP LEARNING PLATFORM
Ms. Saba Afshaan A, AUTOSKY AEROSPACE Pvt Limited, India
Dr. Sukanta Roy, AUTOSKY AEROSPACE Pvt Limited, Country

208 : PRECISION SMALL FIRE DETECTION IN REMOTE SENSING USING A NEW DATA FUSION TECHNIQUE OF MULTI-SENSOR DATA
Ms. Parvathy Ranjit Dev, Autosky Aerospace Pvt Ltd, India
Dr. Sukanta Roy, AUTOSKY AEROSPACE Pvt Limited, Country

209 : Accuracy Improvement In Remote Sensing Based Fire Detection Models Through A New Holistic Methodology Combining Block Based Analysis and Learning without Forgetting
Ms. Parvathy Ranjit Dev, Autosky Aerospace Pvt Ltd, India
Dr. Sukanta Roy, Autosky Aerospace Pvt Ltd, India

212 : Small Wildfire Detection Using Satellite Images
Dr. Shuvrangshu Jana, Autosky Aerospace Pvt Limited, India
Ms. Saba Afshaan A, Autosky Aerospace Pvt Limited, India
Dr. Sukanto Roy, Autosky Aerospace Pvt Limited, India

215 : Autonomous Swarm Systems for Forest Firefighting
Dr. Shuvrangshu Jana, Autosky Aerospace Pvt Limited, India
Mr. Shreyash Kinhikar, Autosky Aerospace Pvt Limited, India
Ms. Saba Afshaan A, Autosky Aerospace Pvt Limited, India
Dr. Sukanto Roy, Autosky Aerospace Pvt Limited, India

260 : Transforming Disaster Response Mechanism of Police Forces in India
Mr. Sagar Ghodasara, Rashtriya Raksha University, India
Mr. Bhawani Sinh Rathore, Rashtriya Raksha University, India

312 : FIRST OF ITS KIND – INCREDIBLE SELFLESS SERVICES TO THE NATION HIGH ALTITUDE MEDICAL RESCUE SERVICES BY SIX SIGMA HEALTHCARE
Dr. PRADEEP BHARDWAJ, SIX SIGMA HIGH ALTITUDE MEDICAL SERVICES, India

344 : Disaster Management System in Ethiopia
Mr. Andualem Gezahegn Desu, University of Lucknow, Ethiopia

349 : Earthquake In Afghanistan
Mr. Aramuddin Ekhlās, Lucknow University, Afghanistan

414 : The national policy for disaster preparedness and management
Ms. SAIDAH ALI NASIMBWA, University of lucknow, Uganda

472 : A Biometric-Based Disaster Healthcare Information Access System
Mr. Akarsh Manodee, Graphic Era (Deemed to be University), India
Dr. Neelam Singh, Graphic Era (Deemed to be University), India

494 : Impact of Global Warming on Wild Fruits: Unveiling Wild Fruits as Nutrient Powerhouses and Their Vulnerability to Climate Change
Ms. Aroma Joshi, Graphic Era (Deemed to be University), India

506 : IMPACT OF NATURAL DISASTER IN INDIAN AGRICULTURE
Dr. Shashank Srivastav, Graphic ERA Hill University Dehradun, India
Dr. Avnish Chauhan, Graphic ERA Hill University Dehradun, India
Dr. Priya Chugh, Graphic ERA Hill University Dehradun, India

508 : Disaster management with help of artificial intelligence
Mr. Anshul Narang, Graphic ERA Hill University, India

515 : Using Artificial Intelligence for Efficient Disaster Management
Mr. Ansh Rawat, Graphic ERA Hill University, Dehradun, India

520 : BlockChain Supply Chain Management in Disaster Management
Mr. Mohammad Ali, Graphic ERA Hill University Dehradun, India

TS 5 **DRCR-2: DISASTER RESPONSES & COMMUNITY RESILIENCE**

CHAIR: DR. AJAY CHAURASIA

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RAPPORTEUR: MS. SHEETAL

1.2: DISASTER RESPONSE SYSTEMS, GRASSROOTS APPROACHES

522 : Drones in Disaster Response: A Critical Assessment of their Role and Limitations
Mr. Pratham Banduni, Graphic ERA Hill University Dehradun, India

524 : Digital Lifelines in Disaster Management: Early Warning Systems and Social Media Synergy
Mr. Sidharth Kothari, Graphic ERA Hill University, India

530 : Utilizing Deep Learning to Improve Disaster Management
Ms. Shagun Verma, Graphic ERA Hill University Dehradun, India

532 : Disaster management using AI
Mr. Nikhil Upreti, Graphic ERA Hill University, India

<p>539 : Role of Artificial Intelligence in disaster management Mr. Rahul Singh, Graphic ERA Hill University, India</p>
<p>542 : The vital role of “Digital Twin” in the disaster management. Mr. Kshitij Joshi, Graphic ERA Hill University Dehradun, India</p>
<p>543 : Satellite Communication and Remote Sensing in Disaster Management Mr. Bhupesh Negi, Graphic ERA Hill University, India</p>
<p>545 : Search and Rescue Post-Disaster Using Thermal Sensors Mr. Aakash Manna, Graphic ERA Hill University, India</p>
<p>548 : Technological Advancements in Disaster Prediction and Response: AI, Machine Learning, Drones, and Remote Sensing. Ms. Mahi Tyagi, Graphic ERA Hill University Dehradun, India</p>
<p>565 : IoT for Disaster Management Ms. Khushi Atri, Graphic ERA Hill University, India</p>
<p>566 : Empowering Disaster Management through Computational Intelligence. Ms. Shalvi Pachori, Graphic ERA Hill University, India</p>
<p>570 : Drones and Disaster surveillance Mr. Ravi Kumar, Graphic ERA Hill University, Dehradun, India</p>
<p>579 : Social Media for Disaster Management: Operational Value of the Social Conversation Ms. Nokshi Thakral, Graphic ERA Hill University, India</p>
<p>583 : A Disaster Management Framework Using Internet of Things-Based Interconnected Devices Mr. Deepak Joshi, Graphic ERA Hill University, Dehradun, India</p>
<p>584 : Predicting Train Accidents with Machine Learning Ms. Km Kirteeka, Graphic ERA Hill University, India</p>
<p>588 : Application of blockchain technology in disaster management Mr. Aryan Anand, Graphic ERA Hill University, India</p>
<p>598 : "Holistic Disaster Management Approaches: Beyond AI-Centric Solutions Mr. Satyarth Rawat, GRAPHIC ERA HILL UNIVERSITY, India</p>
<p>600 : Disaster management through integrated AI Ms. Niharika Chauhan , Student , India</p>
<p>614 : The role of mobile apps in disaster preparedness and response Ms. Kajal Bisht, Graphic ERA Hill University, India Ms. Kajal Bisht, Graphic era University, India</p>
<p>640 : Cybersecurity: identifying threats and mitigation strategies Mr. Atharva Sah, Graphic ERA Hill University Dehradun, India</p>
<p>685 : Strategies to improve the disastrous effect of heat stress in Lentil (Lens Culinaris Medik. L) Dr. Priya Chugh, Graphic ERA Hill University, India Dr. Manpreet Singh, GEHU, India Dr. Shashank Srivastva, GEHU, India</p>

779 : UAVs in the Himalayas: A Critical Analysis of Sensor Technology for Enhanced Disaster Management

Mr. Gyandeep Gyandeep, Graphic Era Deemed to be University, India

Mr. Ravindra Nath Tripathi, Wildlife Institute of India, India

Mr. Aditya Joshi, Graphic Era Deemed to be University, India

793 : PSO-Enhanced Resource Allocation and Personnel Management in Disaster Logistics Operations

Mr. Bhanu Sharma, Graphic Era Deemed to be University, India

Dr. Abhishek Sharma, Graphic Era Deemed to be University, India

Dr. Devesh Pratap Singh, Graphic Era Deemed to be University, India

809 : A Bibliometric Analysis of Research Trends of Natural, Emergency and Disaster Management in India from 1990 to 2023 in Scopus Database

Mrs. Suraiya Rajput, Graphic Era deemed to be University, Dehradun, India

Mrs. Vandana Rawat, Graphic Era deemed to be University, Dehradun, India

TS 6**DRCR-3: DISASTER RESPONSES & COMMUNITY RESILIENCE**

CHAIR: MR RAMANO SONGORE (SCYHELLES)

CO-CHAIR: DR NAVIN SINGHAL (DIT), DR. HARI KUMAR (GEO HAZARD INT)

RAPPORTEUR: MS. AKANSHA CHAUHAN

1.11: STRENGTHENING DRR AND RESILIENT SYSTEMS**6 : A Disciplinary Evaluation of Mass Gathering Emergencies at Religious Fiesta in India**

Mr. Madhukar Sanap, Aga Khan Development Network, India

21 : Youth lead Urban Disaster Risk Reduction (UDRR), an innovative practice in the slums of twin city, Bhubaneswar & Cuttack

Mr. Proshin Ghosh, Indo Global Social Service Society (IGSSS), India

Mrs. Sarmila Patnaik, Indo Global Social Service Society (IGSSS), India

22 : FROM 'DISASTER LABORATORY' TO 'THE ROLE MODEL OF DISASTER RESILIENCE': LESSONS FROM COASTAL BANGLADESH

Mr. Rezaur Rahman, Dhaka University, Bangladesh

23 : PREVENTION THROUGH DESIGN – HOLISTIC APPROACH FOR DISASTER RISK REDUCTION

Mr. NELSON DAVIES PALLIPURAM, INDIAN SPACE RESEARCH ORGANISATION, India

25 : Strengthening Psychosocial Preparedness for Persons with Disability (PwD) in Disaster Management - Time for Paradigm Shift in India

Ms. Anandhi Jothibalan, NIMHANS, India

Dr. Jayakumar C, NIMHANS, India

Dr. T. Sivakumar, NIMHANS, India

Dr. K. S Meena, NIMHANS, India

45 : Analytical Hierarchy Process (AHP) based Cyclone Coping Capacity Index of Bhadrak District, Odisha, India Using Geospatial Techniques.

Dr. Tushif Jaman, North Eastern Space Application Centre (NESAC), Department of Space, Govt. of India, India

Dr. K Dharanirajan, Associate Professor, India

Dr. Jenita Nongkynrih, Scientist / Engr. (SF), India

Dr. Rekha Bharali Gogoi, Scientist / Engr. (SF), India

Dr. K K Sarma, Scientist / Engr. (SF), India

57 : Urban Resilience in the Indian Context: Disentangling Challenges and Charting Implications

Mr. Rushikesh Kolte, Malaviya National Institute of Technology, Jaipur, India

Ms. Shipra Goswami, PhD Student, Malaviya National Institute of Technology Jaipur, India

Dr. Ashwani Kumar, Assistant Professor, Malaviya National Institute of Technology Jaipur, India

Dr. Satish Pipralia, Associate Professor, Malaviya National Institute of Technology Jaipur, India

74 : ROLE OF SOLAR ENERGY IN DISASTER MANAGEMENT: AN ANALYSIS IN THE CONTEXT OF INTERNATIONAL SOLAR ALLIANCE

Ms. Ashish Saraswat, Vivekananda School of Law & Legal Studies, Vivekananda Institute of Professional Studies, Technical Campus, New Delhi & Research Scholar at School of Law, Bennett University, Greater Noida, India

Dr. Garima Tiwari, School of Law, Bennett University, Greater Noida, India, India

65 : Building Resilient Leaders: Integrating Student Enrichment Programme into Psychosocial Care and Disaster Risk Reduction

Ms. Urmila Bamney, National Institute of Mental Health and Neurosciences (NIMHANS), India
Dr. Sanjeev Kumar Manikappa, Department of Psychosocial Support in Disaster Management (DPSSDM), National Institute of Mental Health and Neurosciences (NIMHANS), India
Mrs. Tansa KA, Department of Psychosocial Support in Disaster Management (DPSSDM), National Institute of Mental Health and Neurosciences (NIMHANS), India
Mr. Anil Hemanna Doddamani, Department of Psychosocial Support in Disaster Management (DPSSDM), National Institute of Mental Health and Neurosciences (NIMHANS), India
Prof. Vivek Benegal, Department of Psychosocial Support in Disaster Management (DPSSDM), National Institute of Mental Health and Neurosciences (NIMHANS), India

75 : Natural Disaster experience and psychosocial factors among adolescents- A literature review

Ms. FATHIMA HASANATH K P, NATIONAL INSTITUTE OF MENTAL HEALTH AND NEUROSCIENCES BANGALORE, India

77 : A Review on Examining the Psychosocial Effects on Individuals with Preexisting Mental Health Conditions in the Aftermath of Disasters

Mr. Justin Johnson, National Institute of Mental Health & Neurosciences, India

87 : Improving Disaster Resilience Through Climate Adaptation and Preparedness

Dr. Leena Gadkari, Former Associate Professor in a Management Institute, India
Dr. Swati Desai, Shri J. J. T. University, India
Dr. Vanashri Valecha, Shri Rajasthani Seva Sangh, India

98 : STRONG COMMUNITY WITH STRONG RESILIENCY: ON VULNERABLE UTTRAKHAND AND HP

Dr. Gajadhar Choudhary, Hazinagar Organization For Global Disaster Management, India

102 : Post disaster damage assessment using Deep Learning techniques towards resilience

Mr. SUJITH KUMAR SAKA, NATIONAL CENTRE FOR COASTAL RESEARCH, India
Mr. Immanuel A, NATIONAL CENTRE FOR COASTAL RESEARCH, India
Dr. Tune Usha, NATIONAL CENTRE FOR COASTAL RESEARCH, India
Dr. Lalli M, Bharathidasan University, India
Dr. Dash S K, NATIONAL CENTRE FOR COASTAL RESEARCH, India
Dr. Ramana Murthy M V, NATIONAL CENTRE FOR COASTAL RESEARCH, India

114 : Disaster Risk Reduction and Harmonizing Economic Development for Small Coastal Island

Ms. Sadia Sristy, North South University, Bangladesh
Mr. Noor Musanna, North South University, Bangladesh

133 : Leveraging advances in Spatial Data Sciences and Deep learning techniques for Impact assessment of Climate Change on Himalayan Ecology and Multi-hazard Risk Zonation

Dr. Seema Joshi, Esri India, India

143 : Participatory Avalanche Prediction Appraisal

Mr. Devashish De, Jamsetji Tata School of Disaster Studies ,Batch 2017-19, India

153 : ROLE OF DISASTER MANAGEMENT DURING EARTHQUAKE

Ms. Arti Mehrotra, Shri Ramswaroop Memorial University, India

174 : Space-based Techniques For Mapping Spatial And Temporal Extent Of Drought

Ms. Hempushpa Sahu, Indian Institute of Technology, Roorkee, India
Prof. Pradeep Kumar Garg, Indian Institute of Technology, Roorkee, India
Prof. Saurabh Vijay, Indian Institute of Technology, Roorkee, India

180 : Perception on vulnerability of ecosystems towards climate change and disaster preparedness interventions

Dr. Ratnesh Kumar Jha, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India
Dr. Abdus Sattar, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India
Dr. Sudhanand Prasad Lal, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar, India

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CO-CHAIR: ATUL PATIDAR (UPES), DR. LEENA CHAURASIA (CBRI)

RAPPORTEUR: AKSHITA RAJ

1.11: STRENGTHENING DRR AND RESILIENT SYSTEMS

59 : CHARACTERIZATION OF METEOROLOGICAL PARAMETERS ASSOCIATED WITH THE CLOUD BURST EVENTS AND IDENTIFICATION OF THE PRECURSORS FOR DEVELOPING THE NOWCASTING SYSTEM OVER UTTARAKHAND REGION

Ms. Ahana Mukhopadhyay, Indian Institute of Remote Sensing, Indian Space Research Organisation, India

Dr. CHARU SINGH, Indian Institute of Remote Sensing, Indian Space Research Organisation, India

223 : Disaster-Resilient Approaches in Construction Activities: A Comprehensive Analysis

Mr. Pandit Waghmode, Jawaharlal Nehru University, New Delhi, India

229 : Climate Change, Disasters, and Development Nexus in Nepal: A Study of Vulnerabilities and Adaptation Strategies in Doti and Bajhang Districts

Mr. Dhanej Thapa, Tribhuvan University, Nepal

Mr. Kabin Maharjan, United Mission to Nepal (UMN), Nepal

246 : A study on Anthropogenic pressure in hilly area of Nainital district in Uttarakhand

Mrs. DHENESH RAJ, GRAPHIC ERA HILL UNIVERSITY, DEHRADUN, India

Mr. Ashish Kumar, Graphic Era University, Dehradun, India

Mr. Piyush Gaurav, PPID, India

Ms. Reema Pant, Graphic ERA Hill University, Dehradun, India

Dr. Kamal Joshi, Graphic ERA Hill University, Dehradun, India

280 : POST PANDEMIC AND THE IMPACT OF POSITIVE PSYCHOLOGY ON REBUILDING POPULATION LIFE IN GENERAL

Dr. PAVITRA BAJPAI, Shri Ramswaroop Memorial University, Lucknow, India

306 : Mitigating Landslide Hazards in the Indian Himalayas: A Comprehensive Study of Susceptibility, Hazard, and Risk Assessment Methods

Ms. Neha Sonwal, PhD RESEARCH SCHOLAR, India

Dr. Annapurna Boruah, Associate Professor, India

316 : Abstract On "Climate change and resilience building in the Asia Pacific region"

Prof. Dr. Akbaruddin Ahmad, Policy Research Centre Bangladesh, Bangladesh

Mr. Md Sajib Hossain, Bangladesh

361 : Disaster Risk Reduction National Platform and Strategic National Action Plan in Afghanistan

Mr. Saifullah Rahimi, University of Lucknow, Afghanistan

Mr. Ahmad Shekib Lodin, University of Lucknow, Afghanistan

Mr. Bashir Ahmad Qaderi, University of Lucknow, Afghanistan

363 : APPLICATION OF ARTIFICIAL INTELLIGENCE TO MANAGE CLIMATE CHANGE INDUCED DROUGHT IN LESOTHO

Ms. RELEBOHILE LEHASA, University of Lucknow, Lesotho

492 : REGENERATIVE DEVELOPMENT FOR DRR: TOWARDS A BIO-CENTRIC PARADIGM OF COMMUNITY RESILIENCE

Dr. Chandrani Bandyopadhyay, School of Planning and Architecture, India

511 : Revolutionizing Disaster Response: AI-Enhanced Detection of Human Life in Post-Disaster Scenarios:

Mr. Ashish Bhatt, Graphic ERA Hill University, India

529 : Strategic Approaches to Disaster Management

Dr. Rashmi Sharma, Graphic ERA Hill University, India

536 : Enhancing Disaster Management with Big Data Analysis, AI, and Predictive Analytics

Mr. Priyanshu Patwal, Graphic ERA Hill University, India

554 : 3D Printing for Disaster Management

Mr. Uttkarsh Nautiyal, Graphic ERA Hill University, India

757 : MahaPECONet - Tech Enabled Disaster Response and Collaboration

Mr. Rajesh Shaiva, Rise Infinity Foundation, India

Ms. Shilpa Shirwadkar, Rise Infinity Foundation, India

777 : AI for Smart Disaster Resilience: Enabling Landslide Forecasting in Uttarakhand

Ms. Jigyasa Bamola, Graphic Era Deemed to be University, India

Ms. Kanika Pandey, Graphic Era Deemed to be University, India

Mr. Aditya Joshi, Graphic Era Deemed to be University, India

778 : The AI Safeguard: Revolutionizing Disaster Management

Ms. Manvi Baunthiyal, Graphic Era Deemed to be University, India

Mr. Aditya Joshi, Graphic Era Deemed to be University, India

790 : Revering 'Dhoriti' – the mother Earth: Unpacking the potential of spiritual ecofeminist perspective in gender and disaster risk reduction and resilience

Dr. Dr. Sharin Shajahan, KREA University, India

816 : The Pathfinder Mission: Software-Defined Ka-Band Precipitation Radar in Space and How It Can Cover Up Ground-Based Radar Aps for Effective Early Warning of Precipitation-Based Events

Mr. Kumar Margasahayam, The Tomorrow Companies, Inc., United States

Ms. Anju James, Tomorrow.io (The Tomorrow Companies, Inc.), United States

Dr. Richard J. Roy, Tomorrow.io (The Tomorrow Companies, Inc.), United States

Dr. James Carswell, Tomorrow.io (The Tomorrow Companies, Inc.), United States

Dr. Mauricio Sanchez Barbetty, Tomorrow.io (The Tomorrow Companies, Inc.), United States

817 : As the Eastern Arabian Sea turns stormier, artisanal fishers need smart ICT for resilience

Dr. Max Martin, School of Global Studies, University of Sussex, Brighton, UK, United Kingdom

Mr. Sajan Venniyoor, Independent Media Expert, India

TS 8**BRS-1: BUILDING RESILIENT SYSTEMS (INCL. RECOVERY & RECONSTRUCTION; ECON., ENV., FIN., SOC. & SUSTAINABLE NRM)****CHAIR: DR SWPANMITHA VAIDESWARAN (WIHG)****CO-CHAIR: DR GEORGE E THOMAS (III), DR ABHIYANT TIWARI (NRDC)****RAPPORTEUR: ACHAL RAWAT****1.4: RECOVERY AND RECONSTRUCTION****41 : SAMAASHRAYA: A super speciality clinic for psychosocial care and mental health services for disaster survivors.**

Mrs. Ambika V S, NIMHANS, India

Dr. Sanjeev Kumar Manikappa, NIMHANS, India

Dr. Dinakaran D, NIMHANS, India

Mr. Anil Hemanna Doddamani, NIMHANS, India

Dr. Vivek Benagal, NIMHANS, India

86 : Applicability of Individual Sample as Mean for Post Disaster Mapping using Fuzzy Machine Learning Model

Ms. Anamika Palavesam Sarathamani, Indian Institute of Remote Sensing (ISRO), India

Dr. Anil Kumar, Indian Institute of Remote Sensing, ISRO, India.

131 : Uncovering the benefits of natural disasters

Ms. Ritika Dan, Xavier Institute of Social Service, India

189 : Disaster Risk Financing: Parametric Insurance and Beyond.

Dr. Vilas Waikar, Chartered Insurance Institute, India

288 : 3rd Generation Modular Panel Bridges: Key to Resilience in Road Connectivity During Disasters

Mr. S RAVI SHANKAR, Former DG Border Roads, India

322 : Devaluation of Culture of Vulnerable Communities after the Earthquake Reconstruction/Resilience Process in Nepal

Dr. Madhu Giri, Central Department of Anthropology, Tribhuvan University, Kathmandu, Nepal, Nepal

462 : Long-term forest vegetation dynamics in Nanda Devi Biosphere Reserve, Indian west Himalaya under different disturbance regimes– evidences from repeat studies on compositional patterns

Dr. Balwant Rawat, Graphic ERA Hill University, Dehradun, India

Dr. Janhvi Rawat, India

Dr. Arvind Singh Negi, Graphic ERA Hill University, India

Dr. Rajneesh Bharadwaj, Graphic Era Hill University, India

Dr. Gaurava Kumar, Graphic ERA Hill University, India

Dr. Rowndel Khwairakpam, Graphic ERA Hill University, India

531 : Innovative tool for prediction, response and recover.

Ms. Shagun Bisht, Graphic ERA Hill University, India

573 : “DISASTER MANAGEMENT” in the age of AI and ML.

Mr. Tejas Sharma, Graphic ERA Hill University, India

651 : Power of data analysis in disaster management. Predictive data analytics uses powerful algorithm models to analyse past data to predict future trends. If applied correctly, predictive analytics can be used to improve disaster relief efforts and statistics with ideas.

Ms. Pratibha Rajput, Graphic ERA Hill University, India

673 : Title: Unraveling the Potential of Artificial Intelligence: A Comprehensive Overview

Mr. Naman Mamgain, Graphic ERA Hill University, India

696 : STRUCTURAL SAFETY ISSUES IN SEISMIC REHABILITATION OF REINFORCED CONCRETE BUILDINGS

Mr. Mahesh Chandra Shah, Graphic Era Hill University, India

Mr. Ankit Negi, Graphic Era Hill University, India

Mr. Ankit Nainwal, Graphic Era Hill University, India

Dr. Kishan Singh Rawat, Graphic Era Deemed to Be University, India

Dr. Keerat Kumar Gupta, Graphic Era Deemed to Be University, India

707 : Resilience and Recovery of Micro, Small, and Medium Enterprises (MSMEs) Following Natural Disaster: A Systematic Literature Review

Mr. Sushant Kumar, Doon University, India

752 : Psychosocial Well-Being of People in Uttarakhand after Natural Disasters

Ms. Tannu Taluja, Graphic era deemed University, India

Dr. Kanchan Yadav, Graphic Era Deemed to be University, India

760 : After Natural Disasters, Rebuilding Transportation Infrastructures – Obstacles and Plans for Prompt Execution

Ms. Khushboo Uniyal, Graphic Era (Deemed To Be) University Dehradun, India

Ms. Aditi Uniyal, Graphic Era Hill University Dehradun, India

764 : Recovery and Reconstruction of Building after Disaster

Dr. Deepshikha Shukla, Graphic Era (Deemed to be) University, India

Mr. Jatin Parmar, PG Scholar, India

Mr. Akshay Saini, PG Scholar, India

Ms. Aditi Yadav, PG Scholar, India

Mr. Moirangthem Barnat Meitei, PG Scholar, India

Mr. Rahul Vaishnav, Assistant Professor, India

800 : CLIMATE CHANGE AND DISASTER MANAGEMENT

Mr. Gaurav Singh, Shri Ramswaroop Memorial University, India
Mr. Lalchand Gaurav, Shri Ramswaroop Memorial University, India

1.5: RESILIENT ECONOMIC INFRASTRUCTURE**30 : APPLICATION OF ORTHOGONALITY RELATIONS TO PREDICTION OF TEMPERATURE DISTRIBUTION IN HYDRATING CONCRETE.**

Dr. Donald Ugwuanyi, Enugu State University of Science and Technology, Nigeria
Dr. Sunday Eze, University of Nigeria, Nsukka, Nigeria

302 : Evaluating Mussoorie's Capacity for Tourism Development: A Carrying Capacity Analysis

Mr. Rohit Sharma, Doon University, India
Ms. Mansi Nath, Doon University, India

320 : WORLD CONGRESS ON DISASTER MANAGEMENT OF TAJIKISTAN

Mr. Ozar Abdulloev, University of Lucknow, Tajikistan

360 : A disaster preparedness and response project in Afghanistan: participants' perceptions.

Mr. Ahmad Shekib Lodin, University of Lucknow, Afghanistan
Mr. Saifullah Rahimi, University of Lucknow, Afghanistan

411 : Role of Non-Farm Income and Irrigation in Disaster Risk Reduction among Rural Agricultural Households in India

Ms. Gauri Sreekumar, Indian Institute of Technology Madras, India
Prof. Sabuj Kumar Mandal, Indian Institute of Technology Madras, India

474 : Unravelling the knot: Addressing complex challenges in disaster risk management

Ms. Simran Rani, Himalayiya university, India
Ms. Trisha Sharma, Himalayiya University, India
Dr. Shailendra Pokhriyal, Himalayiya University, India

TS 9 BRS-2: BUILDING RESILIENT SYSTEMS (INCL. RECOVERY & RECONSTRUCTION; ECON., ENV., FIN., SOC. & SUSTAINABLE NRM)

CHAIR: PROF. RP MAMGAI (DOON UNIVERSITY)

CO-CHAIR: DR SUDHIR JOSHI (GRAPHIC ERA)

RAPPORTEUR: ARUSHI GAUTAM

1.6: RESILIENT ENVIRONMENTAL INFRASTRUCTURE**221 : NATURE BASED SOLUTION FOR DISASTER RESILIENT INFRASTRUCTURE IN INDIA**

Mr. saurabh krishnan, Jawaharlal nehru university, India

298 : Building Climate Resilience for protection and Initiating Reversal of Global Warming

Mr. Subijoy Dutta, S&M Engineering, United States
Mr. Suresh Soman, S&M Engineering, India

438 : Enhancing Disaster Resilience through Deep Learning: A Survey of Recent Developments

Ms. Sanskriti Thapliyal, Graphic Era (Deemed to be University) , India
Mr. Tushar Agarwal, Graphic Era (Deemed to be University) , India
Dr. Ashish Gaur, Graphic Era (Deemed to be University) , India
Dr. Gaurav Pant, Graphic Era (Deemed to be University) Dehradun, India
Dr. Manu Pant, Graphic Era (Deemed to be University) Dehradun, India

458 : Disaster in Uttarakhand region and their mitigation solutions: A Review

Ms. Barkha Bishst, Graphic Era Deemed to be university, India
Ms. Shazia Akhtar, Graphic Era Deemed to be university, India
Dr. shazia Akhtar, Graphic Era Deemed to be university, India
Dr. shazia Akhtar, Graphic Era Deemed to be university, India

505 : A Resilient Approach to Utilize Millets for Disaster Management

Dr. Arvind Negi, Graphic ERA Hill University, India
Dr. Rajneesh Bhardwaj, Graphic ERA Hill University, India
Dr. Balwant Rawat, Graphic ERA Hill University, India

514 : Protected cultivation an alternative for Agriculture disaster management

Dr. Manpreet Preet, Graphic ERA Hill University, India
Mrs. Anjali jingar, jodhpur agriculture university, India
Dr. Priya chug, GEHU, India
Dr. somya misra, GEHU, Country
Dr. SHASANK SRIVASTAVA, GEHU, Country

589 : Water quality analysis using chlorophyll concentration and its impact on environment: Literature review

Prof. Kishan Singh Rawat, Graphic Era (Deemed to be University), India
Mr. Smruti Ranjan Sahu, Graphic Era (Deemed to be University), India
Dr. Sudhir Kumar Singh, University of Allahabad, India
Dr. Sharad Chander, ISRO, India
Dr. Ashwin Gujrati, ISRO, India

601 : Remote Sensing and Geographic Information System for Disaster Management

Ms. Sutakshi Naithani, Graphic ERA Hill University, India

761 : "AI-Enhanced Evacuation Route Planning for Disaster Management: Efficiency and Resilience"

Ms. Pallavi Singh, Graphic Era Deemed To Be University, India
Ms. Ishita, Graphic Era Deemed to Be University, India

1.7: RESILIENT FINANCIAL SYSTEMS**534 : REPOSSESSION OF ECONOMIC CRISIS DURING DISASTER MANAMAGEMENT**

Ms. Harshita Joshi, Graphic ERA Hill University Dehradun, Uttarakhand, India

538 : Blockchain Technology for Disaster Management

Mr. Amit Kumar Mehta, Graphic ERA Hill University, Dehradun, India

1.8: RESILIENT SOCIAL INFRASTRUCTURE, REACHING THE LAST MILE**44 : Households Resilience Characteristics of West Bengal in COVID-19 Pandemic**

Dr. TANDRA MONDAL, Ramakrishna Mission Vivekananda Educational and Research Institute, India
Dr. Jaayashree Sen, Ramakrishna Mission Vivekananda Educational and Research Institute, India
Prof. Pranab Kumar Nag, Ramakrishna Mission Vivekananda Educational and Research Institute, India

82 : Climate Chaos: Navigating the dual challenge faced by migrant workers in Bengaluru, India

Dr. Siji Chacko, Jan Sahas Foundation, India
Ms. Ameena Kidwai, Jan Sahas Foundation, India
Ms. Soumya Tiwari, Jan Sahas Foundation, India

101 : Analysis of variations in accessibility of public health facilities: A comparative study based on Chamoli & Rudraprayag Districts.

Mr. Neelkamal Alomayan Kalita, International Institute for Population Sciences, Mumbai, India
Mr. Neelkamal Alomayan Kalita, International Institute for Population Sciences, Mumbai, India

108 : Utilizing social capital to address health challenges in areas affected by disasters in North India

Dr. FARHEEN CHOUDHARY, IGNOU, JAMIA MILLIA ISLAMIA, GGSIPU, India

128 : Hospitals as Critical Infrastructure: Exploring the Significance and Flexible Potential in Disaster Management for Social Value

Mr. Sobhagya Mittal, School of Planning and Architecture, New Delhi, India
Dr. Anil Dewan, Professor & Head of Department, India
Dr. Shuvojit Sarkar, Associate Professor, India

234 : Bamboo: The win-win solution for Strengthening Climate Action and Disaster Resilience

Mr. Sumit Kumar Agarwal, Tanjun Associate LLP, India

282 : A predictive ground motion model utilising gradient-boosting machine learning for seismic zones IV and V in India

Dr. Prantik Mandal, CSIR-National Geophysical Research Institute, Hyderabad-500007, Telangana, India, India
Mr. Priyank Mandal, B.Tech. (Final year), India

323 : Climate change, resilience and early warning system strategies in vulnerable poor urban communities in South Africa

Prof. Bethuel Ngcamu, University of South Africa, South Africa

419 : Analyzing Socio-economic Impact of Climate Change and Disasters: A State-wise Analysis

Dr. Pooja Sharma, Daulat Ram College, University of Delhi, India
Mr. Amit Anand, India

490 : Soil Distress Studies in Managing Emergency Support to the Flood Impacted Areas

Mr. Manoj Kumar Kalra, Delhi Technological University; Defence Geoinformatics Research Establishment, India
Prof. Ashutosh Trivedi, Delhi Technological University, Delhi, India
Prof. Sanjay Shukla, Edith Cowan University, Australia, Australia

647 : Cyber security

Ms. Suhasi Chaudhary, Graphic ERA Hill University, India

TS 10 BRS-3: BUILDING RESILIENT SYSTEMS (INCL. RECOVERY & RECONSTRUCTION; ECON., ENV., FIN., SOC. & SUSTAINABLE NRM)

CHAIR: DR. KAMAL KANT JOSHI (GEHU)

CO-CHAIR: MR. G S JOSHI (UOU)

RAPPORTEUR: ADITYA SINGH

1.12: SUSTAINABLE NATURAL RESOURCES MANAGEMENT

39 : Biodiversity and Ecosystem based Climate Change Adaptation

Mr. Santosh Kumar, Aga Khan Agency for Habitat India, India

42 : Sustainable Development Goals in Bangladesh: Effect of COVID-19

Prof. Nasim Banu, Bangladesh Open University, Bangladesh

63 : Crop diversification as a requirement to adapt to the climate change crisis in Punjab through Farmer Producer Organizations

Ms. Katyayini Sood, UNU EHS, Germany
Prof. Nico Fricke, UNU-EHS, Germany
Mr. Shriyansh Sood, Panjab University Chandigarh, India

165 : Geo-environmental changes along Upputeru river in parts of Krishna-Godavari River Delta, Andhra Pradesh, India

Dr. Venkata Ramana Murty Moida, Andhra Pradesh Space Applications Centre, India

188 : Climate Resilient Practices for Sustainable Agriculture: Recent trends and challenges

Dr. THOTA SOUJANYA, SR University, India
Ms. Pooja Srivastava, SR University, India
Dr. R Gobinath, SR University, India
Mr. T Saikrishna Reddy, SR University, India
Dr. M Mohana keerthi, SR University, India

199 : Nexus Between Agricultural Production, Crop Residue Burning, and Climate Change – A Path Forward Towards Sustainable Food-Energy Security

Mr. Bharath Kumar Margam, PJTSAU, India
Ms. Pooja Srivastav, SR University, India

205 : Tourism's Footprint: Unravelling the Link to Disaster Risk

Dr. Arpan Paul Singh, School of Planning and Architecture, India
Ms. Agnes Mariam Xavier, School of Planning and Architecture Vijayawada, India
Ms. Laya Osten, School of Planning and Architecture Vijayawada, India

791 : Impact of climate change on vegetation and soil erosion in the Upper Cauvery Sub-basin

Mr. Hariprasad K M, Centre for Wireless Networks & Applications (WNA),Amrita Vishwa Vidyapeetham , Kollam, India
Dr. Raji Pushpalatha, Amrita School of Sustainable Futures, Amrita Vishwa Vidyapeetham, Kollam, India
Mr. Balmukund Singh, Amrita School of Sustainable Futures, Amrita Vishwa Vidyapeetham, Kollam, India, India

220 : Good Construction Techniques to Minimise Disaster in Roads & Retaining Walls Mr. S.K. Nirmal, Secretary General1, Mr Satander Kumar, Technical Consultant2 Indian Roads Congress, Kama Koti Marg, Sector 5 RK Puram, New Delhi 110022, The paper in brief, deals with possibly good road & retaining

Mr. S.K. Nirmal, IRC, India
Mr.Satander Kumar, India

226 : Strategies for mitigation and adaptation to the climate change impact in the char land ecosystems of the teesta river basin

Mr. Md. Manik Ali, Hajee Mohammad Danesh Science and Technology University, Dinajpur -5200, Bangladesh, Bangladesh

283 : WHEN ALL ELSE FAILS: HOW HAM RADIO COMMUNICATION HEROES SAVE THE DAY DURING EXTREME HUMAN CRISIS & DISASTER

Mr. Vinod Bhardwaj, Organisation Of Disaster Managers, India

464 : Role of Disaster Resilience in Sustainable Agriculture

Dr. Rajneesh Bhardwaj, Graphic ERA Hill University, India
Dr.Arvind Singh Negi, Graphic ERA Hill University, Country

477 : ROLE OF MANGROVES IN MITIGATING DISASTERMs. Vriksha Singh, Graphic ERA Hill University, India

507 :Crop Phenotypic Plasticity and extreme climate events

Dr. Rowndel Khwairakpam, Graphic ERA Hill University, India
Dr.Rajneesh Bhardwaj, Graphic ERA Hill University, India
Dr. Arvind Negi, Graphic ERA Hill University, India

518 :Leveraging Technology to Mitigate Agricultural Disasters: Maximizing Yield and Natural Resource Efficiency

Mr. Robin Rathore, Graphic ERA Hill University Dehradun, India

621: Esports

Mr. Ravikant Pant, Graphic ERA Hill University, India

654 : Use of Machine learning and Artificial Intelligence in future

Mr. Himanshu Yadav, Graphic ERA Hill University, India

717: Climate Change Pattern and its Effect on Horologic Cycle: A Review

Dr. Pradeep Kumar Bhunya, Graphic Era University, India
K K Gupta , professor, India
sanjeev kumar, professor, India

730 : REGIONAL FLOOD FREQUENCY ANALYSIS FOR UPPER NARMADA BASIN OF CENTRAL INDIA USING ANN

Ms. Namrata Chandel, AITR, India
Dr. J.N. Patel, SVNIT, India
Dr. P.G. Agnihotri, SVNIT, India
Dr. Deepshikha Shukla, India

735 : Effective utilization of waste plastics as biodiesel to assess engine performance and emission- A sustainable disaster management approach.

Dr. PRAVEENKUMAR T R, Graphic Era Deemed to be University, Dehradun, India

743 : Disaster management during natural pandemics

Ms. Aahana Sharma, graphic era university, India
Prof. Shipra Aggarwal, graphic era university, India

750 : Enhancing Disaster Waste Management through Waste Plastics Utilization in Concrete with Nanoparticles: A Sustainable Approach

Dr. Praveenkumar T R, Graphic Era Deemed to be University, Dehradun, India

753 : CONSERVATION OF NATURAL RESOURCES BY USE OF SUSTAINABLE GREEN BUILDING

Dr. Deepshikha Shukla, Graphic Era (Deemed to be) University, India
Mr. Akshay Saini, PG Scholar, India
Ms. Aditi Yadav, PG Scholar, India
Mr. Deepak Kumar, PG Scholar, India
Mr. Jatin Parmar, PG Scholar, India
Mr. Sanjeev Kumar, Assisstant Professor, India

780 : Impact of Climate Change on Agriculture Sector

Mr. Rahul Mavai, Jawaharlal Nehru University, India

791 : Impact of climate change on vegetation and soil erosion in the Upper Cauvery Sub-basin

Mr. Hariprasad K M, Centre for Wireless Networks & Applications (WNA), Amrita Vishwa Vidyapeetham , Kollam, India
Dr. Raji Pushpalatha, Amrita School of Sustainable Futures, Amrita Vishwa Vidyapeetham, Kollam, India
Mr. Balmukund Singh, Amrita School of Sustainable Futures, Amrita Vishwa Vidyapeetham, Kollam, India, India

DAY 2: 29 NOVEMBER

TIME: 14:30 TO 18:00

**TECHNICAL SESSION THEME 2:
CHALLENGES IN TACKLING DRR ISSUES**

**TECHNICAL SESSION THEME 3:
MULTIDISCIPLINARY RESEARCH AND BEST
PRACTICES**

CHAIR: DR RAMMOHAN RAO (NRSC)

CO-CHAIR: DR SREEJA S.NAIR (TERI)

RAPPORTEUR: DR KOPAL VERMA (NIDM) , SAMITA BAHUGUNA

2.1: CLIMATE ADAPTATION FOR RESILIENCE

33 : Strengthening Climate Action and Disaster Resilience in South Asia for achieving Sustainable Development Goals

Prof. Bhaskara Rao Mulam, Puducherry State Disaster Management Authority (PSDMA), Government of Puducherry, India
Prof. Bhaskara Rao Mulam, Puducherry State Disaster Management Authority (PSDMA), Government of Puducherry, India

173 : Eco-Tourism as a Tool for Sustainable Livelihood in a Multi-Hazard Region: Exploring the Mousuni Island Case in West Bengal

Mr. Aritra Ganguly, Indian Institute of Engineering Science and Technology Shibpur, India
Dr. Soumen Mitra , Indian Institute of Engineering Science and Technology Shibpur, India
Prof. Keya Mitra , Indian Institute of Engineering Science and Technology Shibpur, India

183 : The Nexus Between Air Pollution, Climate Change, and Policy Initiatives: A Case Study of Delhi

Dr. Jayachandran Kollayil Sasidharan, Department of Environment, Government of NCT of Delhi, India
Mr. Shrey Tiwari, Energy Policy Institute at the University of Chicago (EPIC India), India

200 : Biotechnology for sustainable agriculture in light of climate change

Dr. THOTA SOUJANYA, SR University, India
Mr. Manikanta Ch. L.N, SR University, India
Ms. Pooja srivastav, SR University, India
Mr. Karthik H.P, SR University, India
Mr. Saikrishna reddy T, SR University, India
Dr. Supriya Aglawe, SR University, India

203 : Assessing and Mapping of Flood Risks Management and Mitigation in Mumbai City – An Empirical Study

Mrs. SHOYONITA ACHARJEE, SHARDA UNIVERSITY SCHOOL OF LAW, GREATER NOIDA . UTTAR PRADESH., India

204 : Assessment of Climate Change and its Threat to Rice Production

Mr. Bharath Kumar Margam, PJTSAU, India
Ms. Pooja Srivastav, SR University, India
Mr. Karthik HP, SR University, India
Dr. Soujanya T. , SR University, India

279 : Climate change, sustainability & Health assurance: Strengthen Bio economy: Effective utilization of natural resources; look sea & sea vegetables.

Prof. Ramesh C Gupta, Nagaland Central University, India

290 : Adaptive Resilience Capabilities of Transportation Systems and a Capability Maturity Model

Dr. Prerna Singh, UNDP, India
Dr. Adjo Amekudzi Kennedy, Professor, United States
Dr. Thomas A Wall, Climate Resilience Lead, United States
Dr. Mikhail Chester, Professor, United States

313 : Cultivating Climate solutions: Multi-Crop Systems and Carbon efficient Crops

Dr. Anjana Chauhan, Dev Bhoomi Uttarakhand University, India
Prof. Manisha , Dev Bhoomi Uttarakhand University, India
Ms. Durga Rawat, Dev BHoomi Uttarakhand University, India

356 : Adaptive Aircraft Design to Face the Challenges of Climate Changes

Mrs. Malki Perera, University of Lucknow, Lucknow, Uttar Pradesh, India, Sri Lanka

381 : Flood Disaster and COVID-19 in Assam: An Analysis

Dr. Aditi Nath, Assam University, Silchar, Assam, India

416 : Flood Disaster and COVID-19 in Assam Challenges: An Analysis

Dr. Aditi Nath, Assam University, Silchar, Assam, India

467 : Biochar: Harnessing Carbon-Negative Potential for Global Climate Change Mitigation

Dr. Sayantika Bhattacharya, Graphic ERA Hill University, India

729 : Disaster Management, Adaptation, and Mitigation in Kenya: Lessons Learned

Mr. Tobias Nauruki, UN Family Caucus, Kenya

788 : Decentralised Public Action for Sustainable Development: Local Action Plans on Climate Change in Kerala, India

Dr. Rajkumar R, Kerala Institute of Local Administration, India

Dr. Monish Jose, Kerala Institute of Local Administration, India

Dr. Sreekumar S, Kerala Institute of Local Administration, India

Dr. Mariamma Sanu George, Kerala Institute of Local Administration, India

Mr. Nidhin Krishna, Kerala Institute of Local Administration, India

2.2: DECARBONIZATION AND DISASTER-RISK-REDUCTION EQUATION**24 : Applying non-destructive method to analyze carbon sequestration capacity of selected tree species from Gandhinagar; A step towards Decarbonization.**

Dr. Roshni Adiyecha, Indian Institute of Teacher Education, India

Ms. Hemkalyani Patel, Indian Institute of Teacher Education, India

Ms. Priya Singh, Indian Institute of Teacher Education, India

2.7: INDIA'S G20 LEADERSHIP – WG-DRR: LESSONS ON THE WAY FORWARD**380 : Social Entrepreneurs and Disaster Resilience**

Ms. Selma N Mulunga, University of Lucknow, Namibia

Ms. Maria N Ruben, University of Lucknow, Namibia

TS 12**IGP-D: INCLUSIVE GOVERNANCE & POLICY FOR DRR & DRRM PLANNING**

CHAIR: DR. RAM BOOJH (MOBIAS FOUNDATION)

CO-CHAIR: DR RAJARSHI DASGUPTA (IIT-D)

REPORTEE: BHAWNA KOTHARI

2.3: EQUITY AND INCLUSIVENESS, WOMEN-CENTRIC, PEOPLE-ORIENTED DRRM PLANNING**55 : Women Representation in Disaster Governance in India.**

Ms. Nancy Kumari, JAWAHARLAL NEHRU UNIVERSITY, India

67 : The LGBTQI+ Youth in the Face of Covid-19 Pandemic: A Study of Stressors, Needs and Resources

Ms. Harshavardhini S, Department of Psychosocial Support in Disaster Management, National Institute of Mental Health and Neurosciences, India

Dr. Sanjeev Kumar Manikappa, Department of Psychosocial Support in Disaster Management, National Institute of Mental Health and Neurosciences, India

Dr. Vivek Benegal, Department of Psychosocial Support in Disaster Management, National Institute of Mental Health and Neurosciences, India

76 : Social Justice and Equality in Disaster Resilience in India: An Analysis in the Context of SDGs

Ms. Jyotika ., Assistant Professor, India

Mr. Ashish Saraswat, Research Scholar, India

146 : Social Equity in Disaster Management: A Study of Trivandrum's City Disaster Management Plan

Ms. Pallavi George, Indian Institute of Management Ahmedabad, India

176 : WOMEN IN DISASTER MITIGATION AND ITS AFTERMATH: INSIGHTS FROM UTTARAKHAND

Mrs. Garima Bisht, KUMAUN UNIVERSITY, India
Mr. Harsh Vardhan Pant, Kumaun University, Nainital, India

357 : Inequality and disaster vulnerability (Gender - digital divide)

Dr. Antony Susai Raj Gnanamuthu, German Red Cross, Germany

496 : Women-based leadership for Tsunami Risk Mitigation: Case of Fishermen Community, Puducherry, India

Mr. Shahzad Ahmed Malik, McGAN'S OOTY SCHOOL OF ARCHITECTURE, Nilgiris, Tamil Nadu, India

746 : Disasters and Disabilities-A case of Social Inequality

Ms. Aarshiya Manchanda, Jamia Millia Islamia, New Delhi, India

2.6: GOVERNANCE AND POLICY ISSUES IN DRR**5 : AN ANALYSIS OF POST TSUNAMI DISASTER MANAGEMENT PLAN: A CASE STUDY OF CHENNAI AND KANCIPURAM DISTRICTS TAMIL NADU.**

Dr. Ashok Kumar Sahay, Consultant ISS , New Delhi.
Dr. Namrata Handique, Department of Geography, Kirori Mal College, University of Delhi.

58 : EXISTING CHALLENGES OF DISASTER MANAGEMENT IN INDIA

Dr. M VIJAY, ANNAMALAI UNIVERSITY, India

100 : Enhancing Fire Safety in Urban India: A Comparative Study of Development Regulations

Ms. Shipra Goswami, Malaviya National Institute of Technology, Jaipur, India
Mr. Rushikesh Kolte, Malaviya National Institute of Technology, Jaipur, India
Dr. Ashwani Kumar, Malaviya National Institute of Technology, Jaipur, India
Dr. Satish Pipralia, Malaviya National Institute of Technology, Jaipur, India

134 : Need to Integrate Psychosocial Preparedness for the Management of Natural Disasters

Mr. Anil Hemanna Doddamani, NIMHANS, India
Dr. Jayakumar C, NIMHANS, India

138 : Climate Change, Disasters and threats to Sustainable Development: Role of Media in a Citizen-Centric Crisis Communication Policy

Mr. Himanshu Shekhar Mishra, New Delhi Television Limited (NDTV), New Delhi, India

211 : Local Governance and Disaster Management in Kerala: Challenges and Insights

Ms. Aswathi K R, Central University of Tamil Nadu, India

233 : Disaster-Development Interface: Navigating Intersections and Pathways in Vulnerability Creation

Mr. Kabin Maharjan, United Mission to Nepal, Nepal

264 : Seasonal Increase in Natural Disasters in Uttarakhand and the Role, Challenges and Policies adopted by the Government in Disaster Risk Reduction

Ms. Taruna Sabharwal, Dev Bhoomi Uttarakhand University, India
Dr. Rashmi Chaudhary, Dev Bhoomi Uttarakhand University, India
Ms. Taruna Sabharwal, Dev Bhoomi Uttarakhand University, India

278 : Health and disaster management

Mr. Joel Renny, Shri Ramswaroop Memorial University, India
Mr. Mohammad Naved, Shri Ramswaroop Memorial University, India

345 : The Post Disaster Scenario - Managing Mortality, Morbidity and Disability

Dr. Rita Savla, RADHEE Disaster and Education Foundation, India
Dr. Nivedita Haran, IAS Retired; President, Center for Migration and Inclusive Development, India

407 : Resilience Building of Multi-hazards by Strategic Plan

Ms. DEVIKA B S, Kerala State Disaster Management Authority, India

437 : Analysing Implementation of Flood Risk Governance Through Critical Institutionalism

Ms. AKANKSHA PANDEY, TISS, Mumbai, India

463 : VIZAG STYRENE GAS TRAGEDY: UNVEILING LINGERING CONSEQUENCES, URGING HOLISTIC DISASTER MANAGEMENT AND POLICY REFORM

Mr. Prem Surya, Tata Institute of Social Sciences, India

Ms. Tess Jennifer Vetakula Antony Raj, Tata Institute of Social Sciences, India

Mr. Ram Gopal, Tata Institute of Social Sciences, India

692 : Impact of AI and ML in defence

Mr. Daksh Goswami, Graphic ERA Hill University, India

709 : Review and realignment of the Himalayan development paradigm: A must for DRR and vibrant economic growth

Dr. Piyoosh Rautela, USDMA, India

Dr. Deepshikha Rawat, India

Mrs. Meenakshi Bist, India

727 : Role of legislation for landslide risk reduction in Aizawl, Mizoram, Northeast India

Dr. Lal Dinpuia, Mizoram University, India

749 : Continued accountability in the aftermath of the 2017-2018 epidemic disaster of listeriosis in South Africa

Prof. Roman Tandlich, Rhodes University, South Africa

Ms. Asante Msimang, Rhodes University, South Africa

776 : Analyzing Policy Frameworks: Governance Challenges and Opportunities in Disaster Management in Afghanistan

Mr. Zabihullah Rased, Punjabi University Patiala, India

782 : Assessing the Long-term Psycho-Social and Economic Impacts of Disaster-Induced Migration at Global level

Ms. Khadijah Iffat Khan, Jamia Millia Islamia University, India

813 : Role of schools for prevention, preparedness and response to various situation of disaster in the country; A concept note

Dr. Binaya Bhusan Gadnayak, NDMA, India

Mr. Jyoti Kumar Sinha IPS, NDMA, India

TS 13 TECHNOLOGY SYSTEMS FOR DRR

CHAIR: DR MANOJ LOHANI (GEU)

CO-CHAIR: DR SM TAUSEEF (UPES), DR. NAVEEN JOSHI

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2.4: FINANCE AND/OR TECHNOLOGY CHALLENGES IN DRR**157 : Demystifying CAT Bond Challenges in India**

Ms. Nandini Suresh, Indian Institute of Technology, Bombay, India

Prof. Trupti Mishra, Indian Institute of Technology, Bombay, India

255 : The Health Risks and Challenges of Managing E-Waste during Post-disaster Recovery

Ms. Abhilasha Dohare, BBAU LUCKNOW, India

299 : Fiscal Policy for Disaster Management in India's Mountain States: A Comprehensive Approach

Mr. Peeyush Sharma, Department of Economics, Doon University, India

592 : Managing Disaster using Cyber Security: A Strategic Approach

Mr. Rishabh Tripathi, Graphic ERA Hill University, Dehradun, India

2.5: Forecasting and Early Warning Coverage & Systems

122 : Evolving from Vulnerability to Resilience: Investigating the Influence of Early Warning Systems on Floods and Cyclones in India

Ms. Shreya Wadhawan, Council on Energy, Environment and Water, India
Dr. Vishwas Chitale, Council on Energy, Environment and Water, India
Ms. Shreya Wadhawan, Council on Energy, Environment and Water, India

267 : Observation of pre-earthquake signals prior to Sumatra-Andaman region earthquakes (M6.0) occurred between 1991 and 2021

Mrs. Ramya Jeyaraman, SASTRA DEEMED TO BE UNIVERSITY, India
Dr. VENKATANATHAN NATARAJAN, SASTRA DEEMED TO BE UNIVERSITY, India

297 : Applicability of Japan Meteorological Agency (JMA) Soil-Water Index (SWI) based thresholds for a Territorial Landslide Early Warning System (Te-LEWS) in Uttarakhand, India

Dr. Srikrishnan Siva Subramanian, Indian Institute of Technology Roorkee, India
Dr. Piyush Srivastava, Indian Institute of Technology Roorkee, India
Prof. Sumit Sen, Indian Institute of Technology Roorkee, India
Prof. Tatsuya Ishikawa, Hokkaido University, Japan

319 : Evaluation of satellite based rainfall products in characterizing heavy rainfall events in the north-eastern region of India

Ms. Arundhati Kundu, North Eastern Space Applications Centre, India
Dr. Shyam S. Kundu, North Eastern Space Applications Centre, India
Dr. Rekha Bharali Gogoi, North Eastern Space Applications Centre, India
Dr. Aniket Chakravorty, North Eastern Space Applications Centre, India
Dr. K. K. Sarma, North Eastern Space Applications Centre, India
Dr. S. P. Aggarwal, North Eastern Space Applications Centre, India

731 : Hazard and vulnerability analysis related to building fires in residential area of south delhi

Ms. Lubna Irfan, Centre for Disaster Management, JAMIA MILLIA ISLAMIA, India
Mr. Rafe Hashmi, Centre for Disaster Management, JAMIA MILLIA ISLAMIA, India

2.8: MULTI-HAZARD EARLY WARNING COOPERATION

28 : Integrating Socio-Economic and Health Considerations in Flood Disaster Management in Prayagraj District

Dr. Kavita Gautam, Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj, India
Prof. Vivek Kumar Singh, Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj, India
Ms. Juhi Das, Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj, India
Mr. Mayank Shukla, Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj, India

51 : A comparison of the tropical climate's characteristics in Somali Regional State of Ethiopia and Indian State of Karnataka

Mr. Degu Zewdu, Amrita School for Sustainable Development, Amrita Vishwa Vidyapeetham, India
Mr. Yila Caiaphas Makadi, Amrita School for Sustainable Development, Amrita Vishwa Vidyapeetham, India
Prof. Sudha Arlikatti, Amrita Vishwa Vidyapeetham, India
Dr. Muralee Krishnan, Amrita Vishwa Vidyapeetham, India
Dr. Nikhil Raji, Amrita Vishwa Vidyapeetham, India

277 : Role of a social worker during a disaster

Mr. Niranajn Singh, Shri Ramswaroop Memorial University, India
Ms. Sakshi Gupta, Shri Ramswaroop Memorial University, India

513 : Role of Internet of Things (IoT) in Disaster Management

Ms. Srishti Negi, Graphic ERA Hill University Dehradun, India

2.9: RESILIENT AVIATION IN A CHANGING CLIMATE

7 : Investigating Critical Success Factors (CSFs) for Humanitarian Assistance and Disaster Relief (HADR) Operations Using Helicopters: An ISM Approach

Mr. Aniruddh Nain, IIM Rohtak, India

2.10: ROADS, RAILWAYS, AND BRIDGES RISK ASSESSMENT AND MITIGATION

106 : Integrating GIS Modelling for Optimal Evacuation Patterns and Resilient Crowd Management

Dr. Yash Kumar Mittal, Malaviya National Institute of Technology Jaipur, India
Mr. Samruth Kumar P, Malaviya National Institute of Technology Jaipur, India
Mr. Sobhagya Mittal, Research Scholar, India

326 : Post Disaster Trauma Management scenario in India and corrective measures to improve it.

Dr. Rita Savla, RADHEE Disaster and Education Foundation, India

613 : Disaster management

Mr. Ayush Lohani, Graphi Era, Indi

620 : The Transformative Realm of Internet of Things (IoT)

Mr. Utkarsh Saxena, Graphic ERA Hill University, India

Mr. Deepak Upadhyay, . , India

763 : ROAD SAFETY RISK ASSESSMENT AND MITIGATION

Dr. Deepshikha Shukla, Graphic Era (Deemed to be) University, India

Mr. Jatin Parmar, PG Scholar, India

Mr. Akshay Saini, PG Scholar, India

Ms. Aditi Yadav, PG Scholar, Country

Mr. Moirangthem Barnat Meitei, PG Scholar, Country

Mr. Deepak Bahuguna, Assisstant Professor, India

2.11: SPATIAL TECHNOLOGIES FOR DRM

136 : Hydrodynamic Modeling and Emergency Action Plan for Disaster Management Due to Dam Break

Dr. Rahul Kumar Jaiswal, NIH, India

Dr. T R Nayak, Memeber (Civil), India

Dr. R V Galkate, Scientist F, India

Dr. A K Lohani, Scientist G, India

164 : Rapid damage assessment of Loss and damage to infrastructures using emerging technologies

Dr. Vishwas Chitale, Council on Energy, Environment and Water, India

Mr. Shravan Prabhu, Council on Energy, Environment and Water, India

Mr. Michael Anthony, Earth Analytics India Private Ltd, India

Mr. Gautam Dadhich, Earth Analytics India Private Ltd, India

562 : Technological Advancements in Disaster management

Ms. Drishti Jadli, Graphic ERA Hill University, India

632 : CHALLENGES IN TACKLING DRR ISSUE.

Mr. Karan Singh Rautela, Graphic ERA Hill University, India

665 : Cyber Security

Mr. Rajan Negi, Graphic ERA Hill University, India

Dr. Sutapa Das, Indian Institute of Engineering, Science an Technology (IEST), Shibpur, India

TS 14 VTCH : VULNERABILITY TO CLIMATE HAZARDS

CHAIR: DR DHARAMSHRI RANHOTIGE (SRILANKA)

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RAPPORTEUR: MR RAUSHAN KUMAR (SCDR/JNU)

2.12: VULNERABILITY TO CLIMATE HAZARDS

26 : Review of Disaster resilience of Housing in Multi-Hazard Prone Sundarbans

37 : Social Vulnerability Assessment of Flood Hazard Using Multi-criteria Decision Analysis (MCDA) And Geospatial Techniques. A Case Study of Selected Char Lands in Murshidabad District, West Bengal

Mr. Snehashis Alam, BITS Pilani, K K Birla Goa Campus, India

Mr. Shoaib Rassel, Central University of Jharkhand, India

Dr. Mohan Kumar Bera, BITS Pilani, K K Birla Goa Campus, India

84 : Rainfall variability and trend analysis of Mandakini River Watershed (1983-2022) using Mann Kendall, ITA and Sen's Slope tests

Mr. Neeraj Bohat, Guru Gobind Singh Indraprastha University, India
Prof. Varun Joshi, Guru Gobind Singh Indraprastha University, India

116 : Antecedents and Consequences of Socio-ecological Vulnerability to Cyclones in the Coastal Odisha

Prof. Subhakanta Mohapatra, Indira Gandhi National Open University, India
Mr. Uma Shankar Singh, Indira Gandhi National Open University, India

117 : ASSESSMENT OF SOCIAL VULNERABILITY TO CYCLONE HAZARDS IN ODISHA AND WEST BENGAL: A DISTRICT-LEVEL ANALYSIS

Ms. Anushka Goswami, MA Disaster Management (2022-24) Jamsetji Tata School of Disaster Studies, Tata Institute of Social Sciences, Mumbai, India

Ms. Sucheta Mandal, MA Environment climate change and sustainability studies, 2023-25, Tata Institute of Social Sciences, Mumbai, India

Ms. Nishi Yadav, MA Geography, 2022-24, Bhoj University, Bhopal, India

Ms. Yashita Bajaj, MSc. Geoinformatics, 2022-24, TERI School of Advanced Studies, New Delhi, India

118 : Human Vulnerability towards Extreme Heat over Tropical India

Dr. Jayashree Sen, Ramakrishna Mission Vivekananda Educational and Research Institute, India

120 : Environmental Vulnerability Assessment using an Integrated SMCDM Method and Geospatial Technology – A Case study of Ranikhola Watershed, Sikkim Himalaya, India

Mr. SUDIP DEY, ASUTOSH COLLEGE , UNIVERSITY OF CALCUTTA, India

Dr. SUPRAKASH PAN, Haringhata Mahavidyalaya, India

127 : Computation of drought vulnerability using Earth Observation data and AHP technique for Barakar River Basin, Eastern India

Ms. Anuva Chowdhury, Birla Institute of Technology Mesra, India

182 : Comparison analysis of satellite and field based Precipitation for North Western Himalaya

Ms. Anushka Vashistha, Research Scholar, India

Dr. Ajay Dashora, Assistant Professor, India

Dr. Afroz Ahmad Shah , Senior Assistant Professor, Brunei Darussalam

194 : Animal Inclusive DRR - Way Forward to ' One World-One Family-One Future' .

Dr. A K Sinha, Sashastra Seema Bal (MHA), India

222 : CHALLENGES OF DISASTER MANAGEMENT IN DEVELOPING COUNTRIES LIKE INDIA

Mr. Utkarsh Ranjan, Xavier Institute of Social Science, India

232 : FROM RISING TIDES TO RAGING FIRES: Effect of Climate Change on Disaster Management

Mr. Utkarsh Ranjan, XISS- Xavier Institute of Social Service, India

Dr. Niranjana Sahoo, Professor- XISS, India

235 : Vulnerability and Capacity Assessment: An Empirical Study of Chandrabhaga Nolia Sahi, Odisha in the face of Cyclone

Mr. Sidharth Verma, Centre of Excellence in Disaster Management, Guru Gobind Singh Indraprastha University, Delhi, India

238 : Sustainable Project Management in the Hilly Regions of North India

Prof. Manish Jantikar, L&T Institute of Project Management, India

250 : Flood Susceptibility Mapping using MaxEnt and AHP for Darbhanga, Bihar

Ms. Barkha Gupta, Indian Institute of Remote Sensing, Dehradun, India

Mr. Chandra Mohan Bhatt, India

274 : Evaluation of the climatic actions on the performance of steel bridges in India using the vibration methods

Mr. Bhushan Raisinghani, Veermata Jijabai Institute of Technology (VJTI), India

286 : ANALYTICAL STUDY OF LIGHTNING DEATHS WITH SPECIAL REFRANCES TO THE PARBHANI DISTRICT, MAHARASHTRA

Mr. PAWAN KHANDKE, COLLECTOR OFFICE PARBHANI, India

324 : Earthquake resilience capacity of Bangladesh
Ms. Proгна Paromita, University of Lucknow, Bangladesh

336 : Environmental Pollution People have always polluted their surroundings. But until now pollution was not such a serious problem. People lived in uncrowded rural areas and did not have pollution causing machines. With the development of crowded industrial cities which put huge
Mr. Boimullo Sanginov, University of Lucknow, Tajikistan

733 : Drought Vulnerability Assessment of Farming Communities in the North Central Province of Sri Lanka: A Community Capital Framework Analysis
Mr. Asanka Pradeep Gunawardhana, Rajarata University of Sri Lanka, Sri Lanka
Prof. Lal Mervin Dharmasiri , University of Kelaniya, Sri Lanka, Sri Lanka
Prof. Manjula Ranagalage , Rajarata University of Sri Lanka, Sri Lanka

738 : Conceptualization of Climate Change Patient's in Context of Urban Dwellers of India
Mr. Tarique Umar, Jamia Millia Islamia, India
Prof. Sandesh Yadav , Jamia Millia Islamia , India
Ms. Shabnam Tarique , Jamia Millia Islamia , India

742 : Assessing Livelihood Vulnerability of a Particularly Vulnerable Tribe of Uttarakhand, India
Dr. Naveen Chandra Joshi, Wildlife Institute of India, Dehradun, India
Dr. Gopal Singh Rawat, Uttarakhand State Council for Science & Technology, India

748 : Household water provision and challenges in the management of drought and water scarcity in South Africa.
Prof. Roman Tandlich, Rhodes University, South Africa

811 : A Deeper Dive into Resilient Neighbourhoods of Mumbai: Measurement, Governance Issues and Policy Implications
Mr. PIYUSH KUMAR, INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, India
Prof. K. NARAYANAN, INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, India
Prof. ARNAB JANA, INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, India

815 : collation of Disaster Data and its analysis for DRR in India
Ms. Kumari Priya, Jawaharlal Nehru University, New Delhi, India

TS 15 CASE STUDIES - TECHNOLOGY, FINANCE, CAPACITY BUILDING AND POLICY

CHAIR: DR AFTAB HASAN (UAE)
CO-CHAIR: SHRI VINOD TANEJA (LBSNA)
RAPPORTEUR: MS KRATIKA PANDEY (NIDM)

3.2: CASE STUDIES / BEST PRACTICES – FINANCING DRR
686 : How comouter science, AI,MI are changing in the field of the finance.
Ms. Tanisha No, Graphic ERA Hill University, India

3.3: CASE STUDIES / BEST PRACTICES – LEGAL AND POLICY
2 : LEGAL REGIME ON DISASTER RISK REDUCTION PRACTICES IN BRICS NATIONS.
Mr. Anoop Kumar, Bennett University, India

29 : COVID-19 Centric Policies For DRR (Emergency Communication System In Minimising Vulnerability And Reducing Chaos)
Mr. Vivek Singh, University of Lucknow, India

32 : Assessing Geo-Spatial Causal Relationship of Bio-Physical Indicators of Lower Son River Basin, India
Ms. Shipra Singh, Miranda House, University of Delhi, India
Dr. Rakhi Parijat, Miranda House, University of Delhi, India

124 : Negotiating a Collective G20 Framework for Disaster Risk Reduction: Analysing Role of India's G20 Presidency

Dr. Navjeet Sidhu Kundal, Vivekananda Institute of Professional Studies, India
Dr. Vidhi Madaan Chadda, TERI SAS, TERI, University, India

163 : Disaster Risk Reduction and Youth Volunteerism in Kerala: Evidence-Based Reflections

Mr. MUHAMMED NAFIH KM, Pondicherry University, India
Prof. A.SHAHIN SULTANA, Pondicherry University, India

202 : Climate Change and Natural Disasters: Navigating a Legal Response

Dr. Vidhi Madaan Chadda, TERI School of advanced studies, India
Ms. Shivangi Vashishta, IICA, India
Dr. Navjeet Sidhu Kundal, VIPS, GGS Indraprastha University, India

371 : Forms of public Administration

Mr. Mohammad Hussain Mohammadi, lucknow University, Afghanistan

468 : Role of Local Self Government in Climate Action: A case study of Pamba basin LSG's in Kerala

Ms. Parvathy Radhakrishnan, Kerala Institute of Local Administration, India

606 : A Comprehensive Review Paper on the Effects of Climate Change on Hydrology and Water Resources

Mr. Akash Behera, Graphic Era Deemed To Be University, India
Dr. Keerat Kumar Gupta, Professor, India
Dr. Kishan Singh Rawat, Professor, India
Mr. Smruti Ranjan Sahu, PhD Scholar, India

633 : Machine Learning

Mr. Harshit Saini, Graphic ERA Hill University, India
Dr. Pratham Bhatt, India

681 : NATURAL DISASTERS IN UTTARAKHAND: AN OVERVIEW

Dr. Avnish Chauhan, Graphic ERA Hill University, Dehradun, India
Dr. Rekha Goswami, Graphic ERA Hill University, Dehradun, India
Prof. Kamal Kant Joshi, Graphic ERA Hill University, Dehradun, India

810 : Sustainability through Corporate Social Responsibility: A Study of CSR Inputs Acting As Catalyst for SDGs in the State Of Uttarakhand

Mrs. Himani Upreti, Graphic Era (Deemed to be) University, India
Prof. Rupa Khanna Malhotra, Graphic Era (Deemed to be) University, India

3.5: CASE STUDIES / BEST PRACTICES – TECHNOLOGY, FINANCE, CAPACITY BUILDING**18 : Building Resilient Rural Communities: Participatory Approaches in Khattukhal Village for Sustainable Development**

Mr. Yila Caiaphas Makadi, Amrita Vishwa Vidyapeetham, India
Mr. Ashok Gadde, Amrita Vishwa Vidyapeetham, India

79 : A Study on innovative methods and strategies in flood management system in Andhra Pradesh

Dr. K Rajesh Kumar, Koneru Lakshmaiah Education Foundation, India

93 : Referral services for disaster survivors during COVID-19 through the National Psychosocial Support helpline

Ms. Chaitali Mendon, National Institute of Mental Health and Neuro Sciences (NIMHANS), India
Dr. Sanjeev Kumar Manikappa, National Institute of Mental Health and Neuro Sciences (NIMHANS), India
Dr. Vivek Benegal, National Institute of Mental Health and Neuro Sciences (NIMHANS), India

121 : Psychosocial Needs of the Elderly During the COVID-19 Pandemic: A National Psychosocial Support Helpline Perspective

Mr. Allen Christopher, National Institute of Mental Health & Neurosciences, India
Dr. Jayakumar C., National Institute of Mental Health & Neurosciences, India

178 : Landslide Susceptibility Mapping using the XGBoost model and Hyper-parameter Optimization Techniques in Aglar Watershed, part of Lesser Himalaya

Dr. Shovan Lal Chattoraj, IIRS, Dehradun, India

Mrs. Dipika Keshri, Department of Civil Engineering, School of Engineering & Technology (SOET), DIT University, Dehradun, Uttarakhand-248001, India

Dr. Kripamoy Sarkar, Department of Applied Geology, Indian Institute of Technology (Indian School of Mines) Dhanbad, India

262 : HVDC submarine cable: A perspective towards accomplishing UN's SDG Goals by De-Carbonization of marine ecology

Ms. Shabnam Parveen, Indian Maritime University, Chennai, India

Dr. Deepak Mishra, Indian Maritime University, Chennai, India

266 : Climate Change and Children of Mountain Communities: Assessing the Implications of Disasters on their Education and Searching for Alternatives in Technology

Mr. ASHWANI UMAR, BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY LUCKNOW, India

270 : Preparing Tomorrow's Heroes: Training School Children for Earthquake Response and Early Warning

Dr. Bhanu Pratap Chamoli, Resilinfra Technologies Pvt Ltd, India

Dr. Bhavesh Pandey, Indian Institute of Technology Roorkee, India

Prof. Ashok Kumar, Indian Institute of Technology Roorkee, India

TS 16 CS-TFCP-2: CASE STUDIES - TECHNOLOGY, FINANCE, CAPACITY BUILDING AND POLICY

CHAIR: PROF. S K MEHTA (UNIVERSITY OF LADAK)

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RAPPORTEUR: MR. DEEP CHAND

3.5: CASE STUDIES / BEST PRACTICES – TECHNOLOGY, FINANCE, CAPACITY BUILDING

292 : Fire Hotspot and Aerosol Climatology Observation over South Asia Using Satellite Data

Mr. Ashish Dubey, Indian Institute Of Remote Sensing, India

Dr. Yogesh Kant, Indian Institute Of Remote Sensing, India

Dr. D Mitra, Indian Institute Of Remote Sensing, India

310 : COVID-19: Case study of Dehradun district of Uttarakhand province in India and way forward for disaster risk reduction

Dr. Deepshikha Rawat, Disaster Management, India

314 : ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGIES TO SUPPORT ACCESS TO INFORMATION BY SMALL ENTREPRENEURS IN BUGURUNI MARKET, TANZANIA

Ms. Sayuni Ntullo, University of Lucknow, India

321 : Solar Powered Water Recycling: A viable option towards climate action

Dr. ARUN KUMAR, Dev Bhoomi Uttarakhand University, Dehradun, India

348 : THE OUTBREAK OF COVID-19 PANDEMIC AND ITS IMPACT ON STOCK MARKET VOLATILITY: EVIDENCE FROM A WORST-AFFECTED ECONOMY

Ms. Angela Godwin uisso, university of lucknow, India

404 : Role of ICTs in risk information during COVID-19 pandemic: Case of Uttarakhand Police Department

Mr. Shahzad Ahmed Malik, McGAN'S OOTY SCHOOL OF ARCHITECTURE, Nilgiris, Tamil Nadu, India

408 : DECISION SUPPORT TOOL FOR SELECTING CLIMATE CHANGE RESILIENT AND SUSTAINABLE LAND MANAGEMENT TECHNOLOGIES IN THE UPPER TANA CATCHMENT, KENYA

Mr. Paul Kahiga, Jomo Kenyatta University of Agriculture and Technology, Kenya

Prof. John Gathenya, Jomo Kenyatta University of Agriculture and Technology, Kenya

Prof. Patrick Home, Jomo Kenyatta University of Agriculture and Technology, Kenya

430 : Blockchain Technology: Reshaping Telemedicine and Telehealth Services for Emergency Management

Mrs. Afsar Jahan, Graphic Era University, India

Dr. Neelam Singh, Graphic Era University, India

Dr. Varsha Mittal, Graphic Era University, India

Mrs. Vandana Rawat, Graphic Era University, India

466 : Production Potential , economic sustainability and crop diversification with Mustard-based Intercropping with Chickpea and Lentil

Mr. vivek pathak, Graphic ERA Hill University, School of Agriculture, India
Dr. Vivek Pathak, Graphic ERA Hill University, School of Agriculture, India

555 : Advancements in robotics

Mr. Sumit Singh, Graphic ERA Hill University, India

556 : The impact of AI and MI on Robotics

Mr. Amit Negi, Graphic ERA Hill University, India

578 : Cyber security

Mr. Anshuman Joshi, GEHU, India

591 : ARTIFICIAL INTELLIGENCE AND MACHINE LANGUAGE IN ELECTRONIC

Mr. Ishu Jain, Graphic ERA Hill University, India

596 : Recognition of image

Mr. alpesh chand ramola, Graphic ERA Hill University Dehradun, India

599 : Hospital Management

Mr. Aryan Singh, Graphic ERA Hill University, India

608 : Research paper

Mrs. Akshat Raturi, Graphic ERA Hill University, India
Mrs. Akshat Raturi, Country

618 : Revolutionising software engineering through AI and ML

Mr. Priyanshu Bahuguna, Graphic ERA Hill University, Dehradun, India

629 : Artificial intelligence in health care

Ms. Pooja Chaudhary, Graphic ERA Hill University, India

634 : Guidance Of The Virtual Realm Navigation Cyber Security Challenges

Mr. VINAYAK MITTAL, GRAPHIC ERA HILL UNIVERSITY, India

639 : AI in endure and survive : the last of us

Ms. Anjita Negi, Graphic ERA Hill University, India

641 : Social media

Ms. Ridhi Ridhi, Graphic ERA Hill University, India

TS 17 CS-TFCP-3: CASE STUDIES - TECHNOLOGY, FINANCE, CAPACITY BUILDING AND POLICY - 3

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CO-CHAIR: DR NUPOOR VERMA (SRPINGER), MR. UMESH JOSHI (USERC)

RAPPORTEUR: MR. AKASH DEEP

3.5: CASE STUDIES - TECHNOLOGY, FINANCE, CAPACITY BUILDING AND POLICY

646 : Impact of AI on Finance Industry

Ms. Anushka Dandriyal, Graphic ERA Hill University, India

650 : "Revolutionizing Multidisciplinary Research: Best Practices and Case Studies in Technology-Driven Financial Capacity Building"

Mr. Varun Bahuguna, Graphic ERA Hill University, India

<p>655 : Use of AI and ML in gaming Mr. Shobhit Taragi, GRAPHIC ERA HILL UNIVERSITY, India</p>
<p>661 : Using Machine Learning And Artificial Intelligence In Future Mr. Akbar Ansari, Graphic ERA Hill University, India</p>
<p>666 : Cybersecurity Mr. Abhishek Kaintura, Graphic ERA Hill University, India</p>
<p>667 : Quantum Computing Mr. Apurva Sharma, Graphic ERA Hill University, India</p>
<p>676 : Overexploitation of AI in the Job Sector Mr. Aditya Ghildiyal, Graphic ERA Hill University, India</p>
<p>677 : AI blindness prevention Ms. Janvi Saini, Graphic ERA Hill University, India</p>
<p>679 : AI and ml learning Mr. Ravindra Singh, Graphic ERA Hill University, India</p>
<p>682 : Revolutionizing Gaming: A Dive into Cutting-Edge Technology Mr. Ayush Hoshi, Graphic ERA Hill University, India</p>
<p>683 : CSE with Specialization in gaming technology Mr. Pawan Singh karki, Graphic ERA Hill University, India</p>
<p>688 : Revolutionary Gaming: The Impact of Computer Science, Artificial Intelligence and Machine Learning Mr. Siddharth Chakraborty, Graphic ERA Hill University, India</p>
<p>699 : Impact of AI in Robotics Ms. Bani Chhamalwan, Graphic ERA Hill University, India</p>
<p>704 : AFFECT OF A.I. IN GAMING Mr. ayush godiyal, Graphic ERA Hill University, India</p>
<p>713 : Impact of Artificial Intelligence (AI), Machine Learning (ML), and Computer Science (CS) on Healthcare Mr. Ayush Rawat, Graphic ERA Hill University, Dehradun, India</p>
<p>714 : Mapping and monitoring of Asan Watershed using geospatial technology Ms. Joselyn B C Toomey, Graphic Era Deemed to be University, India Dr. Rarchan Karmakar, Graphic Era Deemed to be University, India Dr. Suman Naithani, Graphic Era Deemed to be University, India Dr. Pratibha Naithani, Graphic Era Deemed to be University, India Dr. Pratibha Naithani, Graphic Era Deemed to be University, India</p>
<p>724 : Automating Brain Tumor Prognosis Identification Through Deep Learning Technique Ms. Aastha Rana, Graphic Era University, India Dr. Neelam Singh, Graphic Era University, India Ms. Harshita Gupta, Graphic Era University, India</p>
<p>725 : Streamlining Food Delivery with Advanced Drone Technology and OTP-Based Multi-Delivery Security Mr. Gautam Kumar, Graphic Era University, India Dr. Neelam Singh, Graphic Era University, India Mrs. Vandana Rawat, Graphic Era University, India</p>

726 : Blockchain Forensics

Ms. Anshika Negi , Graphic Era University, India
 Dr. Varsha Mittal, Graphic Era University, India
 Dr. Neelam Singh, Graphic Era University, India
 Mrs. Vandana Rawat, Graphic Era University, India

737 : Scenario of Social Protection in Post- Covid 19: A Gender Analysis of Jamia Nagar in Delhi

Ms. RIMSHA HASHIM, JAMIA MILLIA ISLAMIA, India
 Ms. JOYA JAHAN, JAMIA MILLIA ISLAMIA, India

785 : Role of hydrological models in landslide prediction

Ms. Surya Harilal, Amrita Vishwa Vidyapeetham, Amritapuri campus, Kollam, India
 Dr. Raji Pushpalatha, Amrita School of Sustainable Futures, Amrita Vishwa Vidyapeetham, Amritapuri, India, India
 Mr. Balmukund Singh, Amrita School of Sustainable Futures, Amrita Vishwa Vidyapeetham, Amritapuri, India, India

797 : Trauma Telemedicine Helpline- An effective tool for the management of trauma victims and its potential to save lives during times of disaster- One year experience at a Level 1 Trauma Centre

Dr. Madhur Uniyal, AIIMS Rishikesh, India
 Dr. Quamar Azam , AIIMS Rishikesh, India
 Dr. Nidhi Kaley, AIIMS Rishikesh, India

TS 18**S-NBS 1 : CASE STUDIES - NATURE-BASED SOLUTIONS****CHAIR: MR. IBRAHIM ALI (NIGERIA)****CO-CHAIR: DR. SANDIPAN MUKHERJEE (GBPNIHD)****RAPPORTEUR: MS RITU BARTWAL****3.4: CASE STUDIES / BEST PRACTICES – NATURE-BASED SOLUTIONS****95 : Variations in the cooling effect of different green infrastructure typologies in an urban environment: Case study of Bhopal city**

Dr. Rajat Soni, Maulana Azad National Institute of Technology Bhopal, India
 Mr. Aishwarya Dwivedi, Maulana Azad National Institute of Technology Bhopal, India

130 : Integrating Blue-Green Infrastructure into Urban Planning in India

Mrs. Reshmi Manikoth Kollarath, Christ University, India
 Dr. Uma Jadhav, Christ University, India

155 : Livelihood Strategies for Building Disaster Resilience Community: A Systematic Review

Mr. Deepak Marahatta, Tribhuvan University, Nepal
 Mr. Hari Devkota, Tribhuvan University, Nepal
 Mr. Shankar Tiwari, Tribhuvan University, Nepal

181 : NbS for Urban Resilience: Evaluating Urban Greening Index and Ease of Living parameters

Dr. Divya Subramanian, DS Urban Analytics, India

317 : Nano-Enhanced Ecologies: Adapting to Climate Challenges

Prof. NABEEL AHMAD, DEV BHOOMI UTTARAKHAND UNIVERSITY, India
 Dr. NIRJARA SINGHVI, Assistant Professor, India

318 : Microbial Climate Change Drivers and Responders

Dr. NIRJARA SINGHVI, DEV BHOOMI UTTARAKHAND UNIVERSITY, India
 Prof. NABEEL AHMAD, Professor and Dean, India

343 : "To love is so simple, yet we hate"

Mr. Marvin Fernandes, Coriander Cave pvt. Ltd., India

367 : Creating Awareness on Eco-feminism through Theatre at a Tribal Villages in Purulia District of West Bengal India

Mrs. Debkalpa BasuDas, WSRC, University of Calcutta, India

415 : A Notable improvement in Naini lake water quality during Covid-19 Pandemic: A case study

Mrs. Sunaina Sunaina, graphic era university dehradun, India

Dr. Pratibha Naithani, Professor, India

Dr. Kishan Singh Rawat, Professor, India

422 : Late-Pleistocene to Holocene paleoclimatic records from NW Himalaya

Dr. Narendra Meena, Wadia Institute of Himalayan Geology, India

442 : Microalgae: A robust feedstock to mitigate climate change

Dr. Jyoti Rawat, Algal Research and Bioenergy Lab, Department of Food Science and Technology, Graphic Era (Deemed to be University), Dehradun, India

Dr. Vinod Kumar, Algal Research and Bioenergy Lab, Department of Food Science and Technology, Graphic Era (Deemed to be University), Dehradun, India

461 : Ecological value and change sensitivity based approach for defining integrity of alpine plant communities in west Himalaya, India

Dr. Janhvi Rawat, Graphic Era Deemed to be University, Dehradun, Uttarakhand, India

495 : Smart Vertical Farming in Elevated Terrain

Dr. Savita Tamta, Graphic ERA Hill University, India

Dr. Vrinca Vimal, Graphic ERA Hill University, India

526 : SOCIO-ECONOMIC IMPACT OF DISASTER: AN INDIAN PERSPECTIVE

Dr. Mahua Ghosal, Graphic Era (Deemed to be University), India

563 : Computer science

Mr. Chetan Pandey, Graphic ERA Hill University, India

569 : Bank Management

Mr. Divyanah Uniyal, Graphic ERA Hill University, India

571 : DATA SCIENCE

Mr. Abhishek Negi, Graphic ERA Hill University, India

582 : Transforming Hospital Operations

Mr. Arjun Singh Kunwar, Graphic ERA Hill University, India

586 : Gaming

Mr. Sachin Singh, Graphic ERA Hill University, India

TS 19**CS-NBS 2: CASE STUDIES - NATURE-BASED SOLUTION-2**

CHAIR: PROF. REEMA PANT (GRAPHIC ERA HILL)

CO-CHAIR: MR. RAJDEEP (USERC)

RAPPORTEUR: MS. ANJALI

3.4: CASE STUDIES / BEST PRACTICES – NATURE-BASED SOLUTIONS**590 : Block chain Technology and the Future of Asset Management**

Mr. Ayushmaan Kothari, Graphic ERA Hill University, India

604 : A vital revivence

Mr. Abhay Rawat, Graphic ERA Hill University, India

622 : Smart Home Automation

Ms. Supriya Kumari, STUDENT , India

642 : AI And ML Driven Health Care Management

Mr. Dharmesh Yadav, Student, India

645 : AI In Social Network Analysis

Mr. Harsh Raj, Student, India

649 : AI in Space Exploration

Mr. Bhagyavansh Sethi, GRAPHIC ERA HILL UNIVERSITY, India

652 : Using Machine Learning and Artificial Intelligence in future

Mr. Akbar Ansari, Graphic ERA Hill University, India

659 : Effect of AI On Gaming

Mr. Nikunj Jindal, Graphic ERA Hill University, India

662 : Role Of Ai And Ml In Healthcare Diagnosis

Ms. Bhoomika Sharma, Graphic ERA Hill University, India

663 : Computer Science

Ms. Smriti Pandey, Graphic ERA Hill University, India

664 : The crucial role of computer science in prediction of healthcare transformation

Ms. Mansi Bhandari, Graphic ERA Hill University, India

706 : Applications of Microorganisms in Disaster Management: From Pathogens to Protectors

Mr. Rizwanuddin sheikh, Graphic Era (Deemed to be University), India

722 : Flood Risk Management and Approaches for its Assessment : A review

Ms. Prajya Raturi, Graphic Era Deemed To Be University, Dehradun, India

Dr. Kishan Singh Rawat, Graphic Era Deemed To Be University, Dehradun, India

774 : Emergence of Zoonotic diseases amidst of Climate Change: A study on Kyanasur Forest Disease

Ms. Sunidhi Anand, Jawaharlal Nehru University, India

784 : Assessment of Ozone Pollution in the Foothills of Central Himalayan Valley

Dr. Kiran Sharma, Graphic Era Deemed to be University, India

Ms. S.Harithasree , Physical Research Laboratory, Ahmedabad, India

Dr. Imran Girach, Indian Space Research Organisation, Ahmedabad, India

Dr. Narendra Ojha, Physical Research Laboratory, Ahmedabad, India

Dr. Narendra Singh, India

Dr. S. Suresh Babu, Vikram Sarabhai Space Centre, India

803 : Climate Change and its Effects on Biodiversity.

Mr. Shivam Pant, Uttarakhand State Council for Science and Technology, India

Mr. Nalin Sharma, Uttarakhand State Council for Science and Technology, India

Mr. Paritosh Bisht, Uttarakhand State Council for Science and Technology, India

814 : Climate change Modeling and its Psycho Social impact on the mind and the lives of people.

Ms. ZOYA AHMED, JAMIA MILLIA ISLAMIA, India

CHAIR: DR SHAILEY SINGHAL (UPES)

CO-CHAIR: DR NIDHI TYAGI (GEU)

RAPPORTEUR: MS. NITIKA SINGH

3.7: METHODOLOGIES AND FRAMEWORKS FOR DRRM, DIGITAL RISK DATABASE (EWS)

4 : Risk Assessment Models for Multi-Hazard Analysis

Mrs. JINU T P, National Institute of Technology Calicut, India

Prof. Kasthurba A K, National Institute of Technology Calicut(Deemed University), India

9 : Infodemic(s) management: An emergent information cataclysm in the twenty-first century Dr. Raman Sharma, PGIMER, India

Prof. Ashok Kumar, PGIMER, India Prof. Vipin Koushal, PGIMER, India

91 : "Enhancing Nurses' Disaster Management Awareness and Engagement: Investigating the Impact of an Intervention in a Tertiary Care Setting"

Mr. Mahendra Kumar, PGIMER, Chandigarh, India

Dr. Shweta Talati, PGIMER, Chandigarh, India

170 : Evaluating Climate Resilient City Action Plan special reference to Palghar city (Maharashtra)

Ms. Damini Patil, Dr.B.N.C.A college of Architecture Pune, India

Mr. Vivekanand Kadam, District Disaster Management Officer,Collector office,Palghar, India

172 : Developing an Indicator based toolkit for prioritizing mountain trekking trails in India

Mr. Kinkar Bhattacharjee, Indian Institute of Engineering Science and Technology Shibpur, India

Dr. Soumen Mitra, Associate Professor, India

Prof. Keya Mitra, Professor, India

242 : Rapid Damage Detection of Earthquake-impacted Built Heritage using High Resolution Space borne data and textural descriptors

Dr. Hina Pande, Indian Institute of Remote Sensing, India

Dr. Poonam Seth Tiwari, Indian Institute of Remote Sensing, India

Dr. Shefali Agrawal, Indian Institute of Remote Sensing, India

261 : Environmental Challenges in the 21st Century and Need of Feminist Foreign Policy Framework

Dr. Geeta no surname , Deshbandhu College, University of Delhi, India

387 : Details of the P-receiver function technique to estimate the Earth's subsurface structure

Dr. Chinmay Haldar, Wadia Institute of Himalayan Geology, India

Dr. Kalachand Sain, Director, India

409 : COMMUNITY DISASTER AWARENESS AND PREPAREDNESS: EVIDENCE FROM APPIATSE IN THE WESTERN REGION OF GHANA.

Mr. Huseini Kamara, Ghana Red Cross Society, Ghana

Mr. .Frank Oforu Asante, Ghana Red Cross Society, Ghana

Mr. Benjamin Acquah, Ghana Red Cross Society, Ghana

424 : DEVELOPMENT OF FLOOD FORECASTING MODEL FOR GODAVARI SUB BASIN

Mr. SANDEEP NERELLA, OSMANIA UNIVERSITY, India

455 : Business Disturbance due to Climate Change (Nama Electricity Distribution Practice)

Mrs. azza almamari, mazoon electricity company, Oman

703 : AI inoovation

Mr. Ashutosh Bisht, GEHU, India

3.8: STANDARDS AND CERTIFICATION

230 : An Empirical Analysis Format for Disaster Management of Major Ports in India

Dr. Masilamani Sekar, Indian Maritime University, India

605 : Artificial intelligence

Mr. MOHIT SINGH, GRAPHIC ERA HILL UNIVERSITY, India

623 : ARTIFICIAL INTELLIGENCE

Ms. Diya Pundir, Graphic ERA Hill University, India

624 : WEB DEVELOPMENT

Ms. manya chauhan, graphic era hill, India

628 : Artificial Intelligence taking over jobs. The abstract revolves around AI and shows/tells how the jobs are being taken over by AI and on the other hand how AI is creating several new jobs in different fields like data analysis, machine learning, etc.

Mr. Ankur Pandey, Graphic ERA Hill University, India

631 : AI in gaming

Ms. Ananya Dobhal, Graphic ERA Hill University, India

Ms. Ananya Dobhal, CSE, India

668 : AI and ML in Finance

Mr. Anurag Kaushik, GRAPHIC ERA HILL UNIVERSITY, India

771 : Scoping EIA from a Disaster Perspective

Mr. Vivek Bhanwala, Jawaharlal Nehru University, India

Prof. P K Joshi, Jawaharlal Nehru University, New Delhi, India

TS 21

CS-CS&I : CASE STUDIES - CITIES, SETTLEMENTS & INFRASTRUCTURE

CHAIR: DR. AVINASH JOSHI (DOON UNIVERSITY)

CO-CHAIR: SHRI SURENDRA THAKUR (NIDM)

RAPPORTEUR: MS.DEWIKI THAPA

3.1: CASE STUDIES / BEST PRACTICES – CITIES, SETTLEMENTS, INFRASTRUCTURE**15 : SMART CITY: A CASE OF IT PROJECT (DICCC) ON THE DEHRADUN SMART CITY: UNDER THE SMART CITY MISSION OF MoHUA, GOI**

Dr. Sachita Yadav, Arun Jaitley National Institute of Financial Management, India

Mr. Abhishek Anand, Arun Jaitley National Institute of Financial Management, India

27 : Fire Safety Assessment of Public Heritage Building: A Case Study of the National Library Kolkata

Ms. Moumita Majumdar, Indian Institute of Engineering, Science and Technology (IEST), Shibpur, India

Dr. Sutapa Das, Indian Institute of Engineering, Science and Technology (IEST), Shibpur, India

69 : Simulation-Based Performance Assessment of Urban Road Network under Disruptive Scenarios: A Case Study of Delhi

Mr. Piyush Lalwani, Indian Institute of Technology Delhi, India

Dr. V.A.Bharat Kumar Anna, Indian Institute of Technology Delhi, India

Dr. Sai Chand, Indian Institute of Technology Delhi, India

81 : Strengthening Disaster Resilience: The Role of Community Engagement and Social Awareness - Lessons from Uttarakhand, India

Mr. Harsh Vardhan Pant, Kumaun University, Nainital, India

92 : Assessment and Improvement of Emergency Safe Shelter (ESS) infrastructure for Disaster Resilience in India: A multidisciplinary study

Mr. Aashik Surani, Aga Khan Agency for Habitat, India

94 : A CRITICAL REVIEW OF THE EFFECTS OF URBAN FLOODING IN INDIA

Ms. Vratika ., MNIT JAIPUR, India

Dr. Gireendra Kumar, MNIT JAIPUR, India

105 : Flood Vulnerability of Urban Buildings in Hilly Area: A case study of Nongstoin Town, Meghalaya

Ms. Nikita Lahiri, North Eastern Space Applications Centre, Department of Space, Govt. of India, India
Dr. Jenita M. Nongkynrih, North Eastern Space Applications Centre, Department of Space, Govt. of India, India

109 : Evaluating spatial effectiveness of a community-based model of disaster risk management and post-disaster coping mechanism: the Odisha model.

Mr. Amit Biswal, MANIT, Bhopal, India
Ms. Nida Khan, MANIT, Bhopal, India
Mr. Abhishek Patel, MANIT, Bhopal, India

152 : Evaluation of Liquefaction Induced Settlement in Reclaimed Ground: A Case Study

Mr. Supratim Chanda, Central University of Haryana, India
Mr. Manoj Kumar, Chief Engineer, India
Dr. Neeraj Kumar, Assistant Professor, India
Prof. Jay Prakash Narayan, Professor, India

193 : Case study of developing Mumbai City's District Disaster Management Plan encompassing Global and National Frameworks on DRR

Ms. Chinmai Hemani, UNICEF, India

214 : Disaster Management after Massive Glacial Debris Flow Incident at NTPC Tapovan Vishnugad Hydro Power Project near Joshimath, India

Dr. Anubhav Srivastav, NTPC Ltd., India

225 : Vernacular Architecture at the verge of climate change and disaster risk. Case of Trans-Himalayan Region of Nepal: Dho Tarap, Dolpo

Ms. Nistha Nakarmi, Institute of Engineering, Pulchowk, Nepal

253 : Ground Response Analysis for The Museum Hall Complex and Other Adjoining Structures at The Statue of Oneness Site in Omkareshwar, Madhya Pradesh

Mr. DEVAGYA RAMAN, CSIR-Central Building Research Institute, India
Mr. SHUBHAM CHAUDHARY, CSIR-Central Building Research Institute, India
Mr. SUVAM DAS, CSIR-Central Building Research Institute, India
Mr. Koushik Pandit, CSIR-Central Building Research Institute, India
Dr. ANINDYA PAIN, CSIR-Central Building Research Institute, India

276 : Role of Radiation oncology units in tertiary care hospitals during a Nuclear Catastrophe

Prof. Winfred Michael Raj E, Department of Radiation oncology, GSL Medical College, Rajahmundry, India
Ms. Sarah Sheikh, Country

296 : Climate change and human health: Epidemiological transition

Dr. MANOJ KUMAR, PANJAB UNIVERSITY, India

305 : Challenges and Opportunities in Disaster Management within Hilly Regions: Case Study (Mussoorie and Nainital)

Ms. Priyanka Kumawat, Regal Glory Architects, India

307 : Disaster Management and Social Concerns: A Case Study of select cases of disaster in Afghanistan

Mr. Ahmad Gul Momand, The University of Lucknow, India

327 : Investigating Mining-Induced Disasters Using Earth Observation Time Series Data in the Coal Mines of Talcher Region, Odisha

Mr. Akash Behera, Graphic Era Deemed To Be University, India
Mr. Smruti Ranjan Sahu, PhD Schoolar, India
Dr. Kishan Singh Rawat, Professor, India

389 : Identification of upwind source regions responsible for pollution episodes over New Delhi during Pre and Post Monsoon Seasons.

Mr. Bhartendra Kumar, Indian Institute of Remote Sensing Dehradun, India
Dr. Shuchita Srivastava, IIRS, India

393 : Changes in Physical Parameters of Rishiganga-Dhauliganga River after Chamoli Disaster, February 2021

Mr. Vineet Singh, Wadia Institute of Himalayan Geology, India
Ms. Meenakshi Singh, Wadia Institute of Himalayan Geology, India
Mr. Pawan Patidar, Wadia Institute of Himalayan Geology, India
Dr. Amit Kumar, Wadia Institute of Himalayan Geology, India
Dr. Kalachand Sain, Wadia Institute of Himalayan Geology, India

418 : Indian Red Cross Society's Humanitarian Programs and Activities

Mr. HARSH A JIGAJINNI, INDIAN REDCROSS SOCIETY-KARNATAKA, India
Mrs. DIVYA GUPTA, INDIAN REDCROSS SOCIETY- HARYANA, India

525 : Role of Crop Insurance in Mitigating Risk for Farmers

Dr. Somya Misra, Graphic ERA Hill University Dehradun, India
Dr. Supriya Gupta, Graphic ERA Hill University Dehradun, India
Dr. Anupama Rawat, Graphic ERA Hill University Dehradun, India
Dr. Pallavi Bhatt, Graphic ERA Hill University Dehradun, India
Dr. Vivek Kumar Pathak, Graphic ERA Hill University Dehradun, India
Dr. Manpreet Singh Preet, Graphic ERA Hill University Dehradun, India

619 : AI and ML in electronics

Mr. Sanchit Thapa, Graphic ERA Hill University, India

721 : Assessing and Implementing Structural Interventions for Schools in China

Ms. Cai Yuliang, Lucknow University, China

734 : Need for Psycho-social Support and Mental Health Services by Elderly People Affected by Disasters

Mr. SRINIVASAN VASAN, Graphic Era Deemed to be University, India
Dr. Prabha Lama , Graphic Era Deemed to be University, India
Dr. Kanchan Yadav , Graphic Era Deemed to be University, Dehradun, Uttarakhand, India
Mr. Naveen Naval , Graphic Era Deemed to be University, Dehradun, Uttarakhand, India
Ms. Swati Graphic Era Deemed to be University Dehradun Uttarakhand, Graphic Era Deemed to be University, Dehradun, Uttarakhand, India

736 : Elderly People in Disaster as an effect of Migration: A Systematic Analysis

Mr. SRINIVASAN VASAN, Graphic Era Deemed to be University, India
Dr. Prabha Lama , Graphic Era Deemed to be University, India
Dr. Kanchan Yadav , Graphic Era Deemed to be University, Dehradun, Uttarakhand, India

773 : Urbanisation-A cause for Neo Urban Risks and Neo Vulnerabilities

Ms. Aarshiya Manchanda, Jamia Millia Islamia, New Delhi, India

812 : Psycho Social and Victimology of Disaster induced Migration : A Global Perspective

Ms. ZOYA AHMED, JAMIA MILLIA ISLAMIA, India

TS 22

IET-EWS : INNOVATION AND EMERGING TECHNOLOGIES - INCLUDING EWS

CHAIR: DR SEYEDHAMIDREZA SADEGHI (IRAN)

CO-CHAIR: PROF. SANJAY KUMAR (BIOTECH COUNCIL)

RAPORTEUR: MR. NAVNEET KUMAR RAJPUT

3.6: INNOVATION AND EMERGING TECHNOLOGIES INCLUDING EWS

19 : A study on climate change using non-parametric approaches

Dr. Monika Devi, CCS Haryana Agricultural University, Hisar, Haryana-125004, India, India

49 : A Resilient System for Communication under Disaster Conditions in Trinidad and Tobago and the Caribbean

Mr. Amit Neil Ramkissoon, Department of Computing and Information Technology , The University of West Indies at St Augustine, Trinidad and Tobago
Dr. Koffka Khan, Department of Computing and Information Technology, The University of West Indies at St Augustine, Trinidad and Tobago
Mr. Kwasi Edwards, Department of Computing and Information Technology, The University of West Indies at St Augustine, Trinidad and Tobago
Mr. Nicholas Mendez, Department of Computing and Information Technology, The University of West Indies at St Augustine, Trinidad and Tobago
Ms. Shareeda Mohammed, Department of Computing and Information Technology, The University of West Indies at St Augustine, Trinidad and Tobago
Dr. Wayne Goodridge, Department of Computing and Information Technology, The University of West Indies at St Augustine, Trinidad and Tobago

197 : Digital Technologies and Environmental Concerns in Mountain Ecosystems: A Systematic Literature Review

Mr. Abhishek Kumar, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India
Ms. Simran , Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India

241 : Nature and Cause of Joshimath Land Surface Deformation: Characterisation of Subsidence vs Slope-induced Deformation and Slow Secular Deformation vs Rapid Transient Deformation

Dr. R.S. Chatterjee, Indian Institute of Remote Sensing, India
Dr. Suresh Kannaujiya, Scientist, India
Dr. Rakesh Singh, Post Doctoral Researcher & Faculty Member at Graphic Era Univ., India
Mr. Harsh Kumar, Research Scholar, India
Dr. Sandeep Gupta, Research Fellow, India
Ms. Roshan Lata Sahu, Research Fellow, India

258 : Exploring the Use of Machine Learning Algorithms for Earthquake Early Warning Systems

Dr. Bhavesh Pandey, Resilinfras Technologies Pvt Ltd, India
Dr. Bhanu Pratap Chamoli, Resilinfras Technologies Pvt Ltd, India
Prof. Ashok Kumar, Indian Institute of Technology, Roorkee, India

294 : Use of Digital Communication among Youth to Address Climate Change

Ms. Bhavana Bhardwaj, Guru Gobind Singh Indraprastha University, India

366 : Technology Base Disaster Preparedness, Rescue & Relief Management System

Dr. Rita Savla, RADHEE Disaster and Education Foundation, India
Mr. Anil Dsa, Mastek Ltd, India

396 : Geomorphological changes associated with glaciers related hazards in the Gangotri Glacier basin

Mrs. Meenakshi Jarora, Wadia Institute Of Himalayan Geology, India

413 : A Study of the impact of Facebook use on students' education during COVID-19 pandemic

Mr. Ranjit Gadhavi, Dr. Babasaheb Ambedkar Open University Ahmedabad Gujarat, India
Mr. Ranjit Gadhavi, Dr. Babasaheb Ambedkar Open University Ahmedabad Gujarat, India

423 : Urban air pollution reduction technology using magnetically charged ion particles

Mr. RAGHVENDRA BANCHALIA, Get Innovative Solution , India

449 : Time for adaptation of futuristic tech-driven disaster management approach from sensing to last mile dissemination

Mr. Muthukumar Ramalingam, Esedios Technology Services Private Limited, India
Mr. Sundaramoorthy S, Esedios Technology Services Private Limited, India

450 : Effects of algal biodiesel- petro-diesel blends in emission from the IC engine

Dr. Rachan Karmakar, Graphic Era Deemed to be University, India
Dr. Anita Rajor, Thapar Institute of Engineering and Technology, India
Dr. Krishnendu Kundu, CSIR CMERI COEFM, India
Prof. Narpinder Singh, Graphic Era Deemed to be University, India
Dr. Rajesh Kumar, S.S.J. University, Campus Almora, India, India

497 : Prediction of Dehradun Weather Using Deep Learning Techniques for Effective Disaster Management

Mr. Punit Gupta, GEU, India

501 : Livestock management and preparedness for Disastrous and severe climatic conditions

Dr. Pallavi Joshi, Graphic ERA Hill University, India

Dr. Priyank Vyas, Graphic Era deemed to be University, Country

528 : Using AI and Predictive Analytics to Improve Disaster Management through Big Data Analysis

Mr. Ishaan Rautela, Graphic ERA Hill University, India

550 : Ai in robotics

Mr. Sumit Bhandari, Gehu, India

552 : A Study on Global Environmental Concern of Recycling of Waste Tire Materials

Mr. Avijit Chamoli, Graphic ERA Hill University Dehradun, India

Dr. Shipra Gupta, Graphic ERA Hill University Dehradun, India

Dr. Vijay Kumar, Graphic ERA Hill University Dehradun, India

557 : Environment and Recycling of Waste Paper

Dr. Shipra Gupta, Graphic ERA Hill University Dehradun, India

Dr. Vijay Kumar, Graphic ERA Hill University Dehradun, India

574 : Computer

Ms. Kashish Rajput, Graphic ERA Hill University, India

577 : Natural language Processing

Ms. Khushi Negi, Graphic ERA Hill University, India

585 : AI and ML in robotics

Ms. Mahak K, Graphic ERA Hill University, India

616 : Artificial intelligence

Mr. Vivek Patiyal, GEHU, India

671 : Technology and life.

Ms. Radhika Rastogi, Graphic ERA Hill University, India

Ms. Radhika Rastogi, Naac, India

672 : AI (Artificial Intelligence)

Mr. vansh darmwal, garaphic era hill university, India

674 : Machine Learning : Revolutionizing Computer Science

Mr. Arush Panwar, Graphic ERA Hill University Dehradun, India

687 : Virtual Reality Technology

Mr. Mayank Dhyani, Graphic ERA Hill University, India

710 : Exciting World of Computer Science, Artificial Intelligence(AI) and Machine learning in field of Gaming

Ms. Aahana Gusain, Graphic Era, India

747 : Role of Machine Learning & Artificial Intelligence in Disaster Management

Mr. Himadri Banerjee, University of Illinois Urbana Champaign, USA, United States

781 : Building Damage Assessment: A Deep Learning Approach

Mrs. Minakshi Kumar, Indian Institute of Remote Sensing, Indian Space Research Organisation, India

802 : New age digital intervention in Disaster Management & Mitigation

Mr. Ganesh Chandra Joshi, Uttarakhand Open University, India

Mr. Nalin Sharma, India

808 : Examining driver sleepiness detection based on visual actions using Haar Cascading and CNN

Mr. Anshul Rawat, Graphic Era deemed to be University, Dehradun, India

Mr. Karan Sharma, Graphic Era deemed to be University, Dehradun, India

Ms. Vandana Rawat, Graphic Era deemed to be University, Dehradun, India

Mr. Kaushlendra Singh, Graphic Era deemed to be University, Dehradun, India

Dr. Neelam Singh, Graphic Era deemed to be University, Dehradun, India

DAY 3: 30 NOVEMBER

TIME: 14:30 TO 18:00

**TECHNICAL SESSION THEME 4:
MOUNTAIN SPECIFIC HAZARDS AND THEIR
MANAGEMENT**

**TECHNICAL SESSION THEME 5:
TRADITIONAL RISK REDUCTION PRACTICES AND
VOICES FROM THE GRASSROOTS**

Chair: Ms Anu Adhikari (Nepal)
Co-Chair: Dr Swapamita Vadhwaran (WIGHG)
Rapporteur: Ms Richa Srivastava (NIDM)

Community-based Disaster Management and Indigenous Knowledge

192 : Social capital on disaster management and resilience: A case of post-2015-earthquake recovery in Nepalese mountain communities

Mr. Dipak Bishwokarma, University of Waterloo, Canada
Prof. Sanjay Nepal, University of Waterloo, Canada
Prof. Brent Doberstein, University of Waterloo, Canada
Dr. Erin OConnell, University of Waterloo, Canada

210 : TRADITIONAL KNOWLEDGE AND PRACTICES IN DISASTER MANAGEMENT: A STUDY ON THE DARJEELING- HIMALAYAN REGION

Ms. CLARE LIZAMIT SAMLING, UNIVERSITY OF CALCUTTA, India

347 : Forest Fire The Unsung Disaster

Ms. Divya Bijalwan, The Hans Foundation, India
Ms. Arunima Sharma, The Hans Foundation, India
Mr. Manoj Joshi, The Hans Foundation, India

521 : The Effect of Disasters on Agriculture and Food Safety causes by severity of drought and salinity in European countries

Dr. Shashank Srivastav, Graphic ERA Hill University Dehradun, India
Dr. Vivek Kumar Pathak, Graphic ERA Hill University Dehradun, India

818 : ENVIRONMENT AND CLIMATE CHANGE IMPACT IN UTTARAKHAND PREPARATION AND PREPAREDNESS

Dr. Goma Bali Bajaj, Shrimann Superspeciality Hospital Jalandhar, India

4.4: ENHANCING RESILIENCE AND PREPAREDNESS OF MOUNTAIN COMMUNITIES

16 : Vulnerability Assessment to Natural Disasters: A comparative analysis of districts in Arunachal Pradesh

Dr. Bhupen Mili, Department of Disaster Management, Government of Arunachal Pradesh, India

17 : Concrete Pillars of Development or Buildings of Disaster: Voices from Darjeeling and Kalimpong

Mr. Rahul Ganguly, IIT Delhi, India
Prof. Vibha Arora, IIT Delhi, India

50 : Urban Growth and its Environmental Risks in Himalaya Under Climate Change: Understanding the Process and Options for Climate Resilient Urban Development

Prof. Prakash C. Tiwari, Kumaun university, Nainital, Uttarakhand, India, India

48 : Assessment of Mountain-Specific Landslide Hazard Susceptibility and Risk in the Himachal Pradesh (Mandi): Using Geospatial Technology

Ms. PAYAL MAHATO, Research Scholar, Jaypee University of Information Technology, Wakhnaghat, Himachal Pradesh, India
Dr. Tanu Sharma, Associate Professor, Jaypee University of Information Technology, Wakhnaghat, Himachal Pradesh, India
Dr. Saurabh Rawat, Associate Professor, Jaypee University of Information Technology, Wakhnaghat, Himachal Pradesh, India

52 : Climate Change Risk Assessment of Meghalaya and resilience through Centrally Sponsored Flagship programs

Mr. Vivek Lyngdoh, Meghalaya Climate Change Centre, India
Dr. Marbakor Mary Lynrah, Meghalaya Climate Change Centre, India
Dr. V. Suresh Babu, Associate Professor, India

53 : Diurnal scale variations of monsoon rainfall and trend analysis of rainfall maxima over the high mountainous terrain of Himachal Pradesh using high resolution gridded rainfall product

Ms. Anjana V S, Indian Institute of Remote Sensing, India
Dr. Charu Singh, Indian Institute of Remote Sensing, India

56 : Disaster Preparedness Kits Ready or Not? Household Resilience for Flash Flooding in Uttarakhand

Prof. Sudha Arlikatti, Amrita School for Sustainable Development, India
Dr. Praveen Maghelal, Rabdan Academy, United Arab Emirates

90 : Sub-district level hazard mapping of monsoon variability and extremes for Uttarakhand

Mr. Shravan Prabhu, Council on Energy, Environment and Water, India
Dr. Vishwas Chitale, Council on Energy, Environment and Water, India

158 : Enhancing Disaster Resilience in Hill Towns through Optimal Open Space Planning

Dr. Arpan Paul Singh, School of Planning and Architecture, India
Mr. Rajeev R, School of Planning and Architecture Vijayawada, India
Ms. Anmol Sharma, Lovely Professional University Punjab, India
Mr. Ashwinth G Chandran, School of Planning and Architecture Vijayawada, India

217 : A Review of Existing Urban Planning Initiatives in North Indian Hill Towns

Mr. Kshitiz Agarwal, Dev Bhoomi Uttarakhand University, India

257 : Geodesign framework for flood resilient town: A case study of Kullu

Ms. Shivani Soni, Student, NIT Hamirpur, India
Dr. Neetu Kapoor, Assistant professor, NIT Hamirpur, India
Mr. Abhinam Bhardwaj, Research Scholar, NIT Hamirpur, India

425 : Navigating cascading hazards for sustainable risk reduction in the Himalayas

Dr. Basanta Raj Adhikari, Centre for Disaster Studies, Institute of Engineering, Tribhuvan University, Nepal

446 : Space-born-Sensor derived Spatio-bigdata Analysis for Sustainable Agriculture Planning

Dr. Sanjeev Kimothi, Graphic era deemed to be University, India
Dr. Asha Thapliyal, USAC, India
Dr. suman naithani, Graphic era deemed to be University, India
Ms. Shazia Akhtar, Graphic era deemed to be University, India

499 : Disaster Management Challenges and Strategies in Hilly Regions of Uttarakhand (India) under the Changing Climatic Conditions

Dr. Neelam Basera, School of Agriculture, Graphic ERA Hill University, India

786 : Mountainous Disasters in Nuwara-Eliya and Relief Activities

Ms. Sheeba Balachandran, National Disaster Relief Services Centre, Sri Lanka
Mr. Tharanga Padmasiri, National Disaster Relief Services Centre, Sri Lanka
Mr. Manoj Maduranga Kariyawasam Nagoda Vithanage, National Disaster Relief Services Centre, Sri Lanka

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4.3: EMERGENCY PREPAREDNESS AND RESPONSE IN MOUNTAIN LANDSCAPES**145 : Optimizing Helicopter Landing Zones in Uttarakhand's Mountainous Disaster-Prone Region: A Multicriteria GIS Approach**

Ms. Yamini Agrawal, Indian Institute of Remote Sensing, India
Mr. Nalin Sharma, Indian Institute of Remote Sensing, India

311 : An Integrative Approach to Disaster Management in India

Ms. Archana Vaidya, Forum for Environment Legal Policy Research, India
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431 : Integration of Morphometric Parameter Analysis for Improved Disaster Management in Upper Alakananda basin, India: A case study

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470 : After Disaster Strikes: A Comprehensive Analysis of Post- Disaster Impacts in Rudraprayag District of Uttarakhand

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Prof. M.M. Semwal, HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY(A Central University), India

487 : Sustainable Disaster Management – Resilient State of Uttarakhand

Dr. Ruchi Mehrotra Joshi, Graphic Era (Deemed to be) University, Dehradun, India
Ms. Mona Maithani, Graphic Era (Deemed to be) University, Dehradun, India
Ms. Anushri Aggarwal, Graphic Era (Deemed to be) University, Dehradun, India

609 : Artificial intelligence in disaster management : enhancing resilience and response

Mr. Anshul Vashisht, Graphic ERA Hill University, India

775 : Enhancing Safety During Char Dham Yatra: A Sensor-Based Vehicle Safety System

Mr. Akarsh Manodee, Graphic Era (Deemed to be University), India
Dr. Kamlesh Purohit, Graphic Era (Deemed to be University), India

807 : Clinico-Epidemiological Profiling of Pilgrims Evacuated To The Emergency Department Of A Tertiary Care Centre With High Altitude Illness: A Retrospective Observational Study

Dr. Nidhi Kaeley, All India Institute of Medical Sciences, Rishikesh, India
Dr. Madhur Uniyal, All India Institute of Medical Sciences, Rishikesh, India
Dr. Jewel Rani Jose, All India Institute of Medical Sciences, Rishikesh, India
Dr. Takshak Shankar, All India Institute of Medical Sciences, Rishikesh, India

4.7: LANDSLIDE AND LAND SUBSIDENCE

46 : GIS-based Landslide Hazard Zonation (LHZ) Mapping Using the Analytical Hierarchy Process (AHP): A Case Study along National Highway-54, from Aizawl City to Lengpui Airport, Mizoram, India.

Mr. KAJAL KUMAR MANDAL, PONDICHERRY UNIVERSITY, India
Mr. Binoy Jyoti Chakma, PONDICHERRY UNIVERSITY, India
Mr. Snehashis Alam, BITS Pilani, K K Birla Goa, India

47 : Landslide Susceptibility Assessment using Remote Sensing and GIS in Uttarakhand: A Geospatial Approach

Ms. Divya Gehlawat, Department of Geography, Delhi School of Economics, University of Delhi, India

85 : Assessment of Mountain Slope Instability using Remote Sensing Technique

Ms. Sakshi Tripathi, Indian Institute of Remote Sensing, India
Mr. C.M Bhatt, Indian Institute of Remote Sensing, India
Dr. Pratima Pandey, Indian Institute of Remote Sensing, India
Ms. Ishita Raj, Indian Institute of Remote Sensing, India

88 : Understanding the Landslide Hazard in Parts of the Uttarakhand Himalaya: From Earth Observation to Numerical Simulation

Ms. P. Danuta Mohan, IIRS Dehradun, ISRO, India
Dr. Shovan Chattoraj, IIRS Dehradun, ISRO, India
Mr. Yateesh Ketholia, IIRS Dehradun, ISRO, India

112 : Geospatial Analysis of the Irshalvadi Village Landslide: A Case Study of Hazard Assessment and Mitigation

Dr. Mandar Malandkar, Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, Maharashtra, India
Prof. Karbhari Kale, Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, Maharashtra, India
Prof. Sachin Pore, Dr. Babasaheb Ambedkar Technological University, India
Prof. Sanjay Nalbalwar, Dr. Babasaheb Ambedkar Technological University, India

159 : Nature-based solutions for Landslide hazard management: Trends, Challenges and Opportunities

Dr. Gobinath R, SR University, Warangal, India
Dr. Ganapathy GP, VIT University, India

160 : Suitability studies on employing soil bioengineering practice in landslide affected mountainous region in South India – A case study of Nilgiris district, Tamilnadu, India

Dr. Gobinath R, SR University, Warangal, India
Dr. Ganapathy GP, VIT University, India

167 : Comparative analysis of Landslides Inventories Dataset in Solan district of Himachal Pradesh, India

Ms. Alisha sood, Student , India
Prof. Rajeev kumar Aggarwal, Professor, India
Prof. Rakesh kumar Gupta, Professor, India
Dr. Hukam Chand Sharma, Assistant Professor, India
Dr. Ghanshyam Aggarwal, Associate Professor, India
Dr. Deepak Agnihotri, Assistant Professor, India

171 : A comparative Assessment of landslide susceptibility analysis using weighted overlay, Frequency Ratio, and Shannon's Entropy models

Ms. Ankita Sonkar, Delhi technological university, India
Ms. Sarmistha Rudra Paul, Delhi Technological University, India

185 : The Himalayan Ecosystem: Joshimath and its Solutions

Ms. Polasa Bhuvanansri, SR University-Warangal, India
Ms. Pooja Srivastav, SR University-Warangal, India
Mr. Karthik H.P, SR University, India

228 : Understanding Landslide Triggering Parameters in the Himalayas: Insights from Remote Sensing and Geospatial Analysis

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Dr. R.S Chatterjee, Indian Institute of Remote Sensing , India
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231 : Case Studies of Landslide Detection in Himachal Pradesh, India, using HazMapper Application

Mrs. Deepti Nautiyal, Indian Institute of Technology Roorkee, India
Prof. Arun Kumar Saraf, Indian Institute of Technology Roorkee, India
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256 : Landslide Information Extraction in Multiple Satellite Datasets using YOLO-NAS and Transfer Learning

Dr. Naveen Chandra, Wadia Institute of Himalayan Geology, India
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4.7: LANDSLIDE AND LAND SUBSIDENCE**293 : Inculcating machine learning techniques for evaluation and ranking of landslide contributing factors: A case study of Bhagirathi catchment, Uttarakhand**

Mr. Madhukar Dwivedi, Indian Institute of Technology, Roorkee, India
Mr. Madhukar Dwivedi, IIT Roorkee, India
Dr. Kamal Jain, IIT Roorkee, India
Dr. S Srikrishnan Subramanian, IIT Roorkee, India

342 : Landslide Risk Evaluation in The Nilgiris District, Western Ghats of India – Lessons Learnt

Dr. Ganapathy Pattukandan Ganapathy, Vellore Institute of Technology (VIT), Vellore, Tamil Nadu, India

352 : ANN model-based landslide susceptibility mapping for disaster risk reduction and mitigation in mountainous areas.

Mrs. Sheetal Bisht, Graphic era (Deemed to be University), India

Dr. Kishan Singh Rawat, Graphic Era (Deemed to be University), India

354 : Landslide susceptibility analysis using the AHP approach for Disaster risk reduction in the mountainous region.

Mrs. Sheetal Bisht, Graphic era (Deemed to be University), India

Dr. Kishan Singh Rawat, Graphic Era (Deemed to be University), India

364 : Landslide Susceptibility Mapping of the Joshimath town using Weighted Overlay method

Ms. Riya Singh, Wadia Institute of Himalayan Geology, India

Dr. Swapnamita Choudhury, Wadia Institute of Himalayan Geology, India

Mr. Pushpendra Singh Hada, Maharshi Dayanand Saraswati University Ajmer, Rajasthan, India

399 : Characterization of two Indian Shales of Different Origin: A Comparative Study between Gondwana and Lesser Himalayan Shale

Mr. Kumar Nilankar, Rajiv Gandhi Institute of Petroleum Technology, Jais, India

Mr. Divyanshu Singh, Rajiv Gandhi Institute of Petroleum Technology, Jais, India

Dr. Hemant Kumar Singh, Rajiv Gandhi Institute of Petroleum Technology, Jais, India

402 : Landslide Susceptibility Mapping of the Tons River Catchment of Chakrata using Weighted Overlay method

Mr. Shubhesh Sharma, Wadia Institute of Himalayan Geology, India

Dr. Swapnamita Choudhary, Wadia Institute of Himalayan Geology, India

Ms. Riya Singh, Wadia Institute of Himalayan Geology, India

454 : Assessing Landslide Risk and Mitigation Strategies in Pithoragarh-Dharchula, Uttarakhand, India

Mr. Kavindra Singh Dhami, Graphic Era (Deemed to be University), India

Dr. Sushant Shekhar, NCG, IIT, Kanpur, India, Country

Mr. Rahul Vaishnava, Graphic Era (Deemed to be University), Dehradun, India, Country

Mr. Gaurav Singh, Graphic Era (Deemed to be University), Dehradun, India, Country

456 : A LANDSLIDE HAZARD ZONATION STUDY IN THE TUINI-PLASU AREA, UTTARKASHI DISTRICT: USING RS & GIS

Prof. Manmohan Singh Rawat, Uttarakhand State Council for Science & Technology, India

Dr. Durgesh Pant, Uttarakhand State Council for Science & Technology, India

Mr. Nalin Sharma, Uttarakhand State Council for Science & Technology, India

473 : Impact of soil-rock mixture percentages of Himalayan debris on seepage and mechanical characteristics of landslide materials

Mr. Manish Dewrari, Indian Institute of Technology Roorkee, India

Dr. Srikrishnan Siva Subramanian, IIT Roorkee, India

479 : Multi-Temporal InSAR Analysis of Deformation and Risk Assessment for Landslide Lake Outburst Flood (LLOF): A Case Study in Kunwari Village, Uttarakhand with Sentinel-1 Data

Dr. Rakesh Singh, Graphic Era (Deemed to be University), Dehradun, India

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Dr. Vishal Chauhan, Graphic ERA Hill University, Dehradun, India

626 : abstract on AI and ML in electronics

Mr. Pawan Dhanik, Graphic ERA Hill University, India

697 : SOIL STABILIZATION AND INVESTIGATING REMEDIES FOR LANDSLIDE PRONE AREAS IN OLD MUSSOORIE ROAD(KIMADI)

Mr. Ankit Negi, Graphic ERA Hill University, India
Mr. Mahesh Chandra Shah, Graphic ERA Hill University, India
Mr. Ankit Nainwal, Graphic ERA Hill University, India
Dr. Kishan Singh Rawat, Graphic Deemed to be University, India
Dr. Keerat Kumar Gupta, Graphic Deemed to be University, Country

728 : A case study of rainfall induced Landslide in Aizawl, Mizoram

Dr. Lal Dinpuia, Mizoram University, India

754 : Factor influencing the slope instability in the Upper Alaknanda River Basin of Uttarakhand: A geospatial, geological and geotechnical approach

Dr. Girish Ch Kothyari, University of Petroleum and Energy Studies, India
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Dr. Harinandan Kumar, University of Petroleum and Energy Studies, India
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Mr. Hem Chandra Kothyari, Kumaun University Nainital, India

765 : LAND SLIDE AND SUBSIDENCE CASE STUDY OF JOSHIMATH –A CASE STUDY

Dr. Deepshikha Shukla, Graphic Era (Deemed to be) University, India
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Mr. Moirangthem Barnat Meitei, PG Scholar, India
Mr. Abhigyan Deep Singh Rawat, PG Scholar, India
Mr. Shashank Kothari, Assistant Professor, India

768 : Impact of Development activities in Hill Region with reference to Dam construction in Tehri district of Uttarakhand, India

Prof. Reema Pant, Graphic ERA Hill University, Dehradun, India
Dr. Kamal Joshi, Graphic ERA Hill University, India

792 : Local level planning for disaster risk reduction: A Kerala experience

Ms. Riya Fathima, Kerala Institute of Local Administration, India
Dr. Sreekumar S, Kerala Institute of Local Administration, India
Dr. Monish Jose, Kerala Institute of Local Administration, India

796 : A Comparative Study Using InSAR Time Series Analysis to Map and Monitor Surface Movement in Joshimath, Chamoli, Uttarakhand, India

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Mr. Shubhayan Roy Chowdhury, Indian Institute of Technology Bombay, India
Prof. Satish Maurya, Indian Institute of Technology Bombay, India
Prof. Y.S. Rao, Indian Institute of Technology Bombay, India

805 : Evaluating slippage in the NW Himalayan Towns: A Case Study from Uttarakhand

Prof. Yaspal Sundriyal, HNB Garhwal University, India
Dr. Vipin Kumar, Doon University, India

806 : The Impact of Natural Disasters on Natural Resources, Livelihoods, and Cultural Heritage in the Johar Valley

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Dr. Suman Naithani, Graphic Era Deemed to be University, India
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GHMC : GEOMORPHOLOGICAL HAZARDS IN MOUNTAIN COMMUNITIES

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4.1: AVALANCHE, SNOWSTORMS, BLIZZARDS AND ROCKFALL READINESS

594 : SPACE AIR GROUND INTEGRATED NETWORK FOR DISASTER MANAGEM

Mr. Krishna Sori, Graphic ERA Hill University, India

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1 : Investigating Mass Balance of the Milam Glacier in the Western Himalaya using Geospatial Techniques

Mr. AJAY KUMAR, Centre of Excellence for NRDMS in Uttarakhand, Dept. of Remote Sensing & GIS, Soban Singh Jeena University Almora-263601, India
Dr. ARVIND PANDEY, Centre of Excellence for NRDMS in Uttarakhand, Dept. of Remote Sensing & GIS, Soban Singh Jeena University Almora-263601, India
Mr. UMED SINGH NAGARKOTI, Centre of Excellence for NRDMS in Uttarakhand, Dept. of Remote Sensing & GIS, Soban Singh Jeena University Almora-263601, India

40 : Vulnerability of the high Himalayan mountain communities under the climate change scenario

Dr. Sheikh Nawaz Ali, Birbal Sahni institute of Palaeosciences, India
Dr. Pratima Pandey, Indian Institute of Remote sensing, India
Dr. Anshuman Bhardwaj, university of Aberdeen, UK, United Kingdom

64 : DECADAL CHANGES IN GLACIER OF ALAKNANDA BASIN UTTARAKHAND UNDER WARMING CLIMATE

Mrs. Sandhya Singh, Indian Institute of Remote Sensing Dehradun, India
Dr. Pratima Pandey, Indian Institute of Remote Sensing Dehradun, India

72 : Catastrophic mass movement and glacial lake outburst flood hazard: From regional scale assessment to local hazard and risk assessments- insights of reconstructed real-life events, anticipated future events, and disaster risk reduction

Dr. Ashim Sattar, IISc Bangalore, India
Dr. Ashim Sattar, IISc Bangalore, India

83 : Quantifying Glacier Retreat and Elevated Lake Growth Using Remote Sensing for Disaster Management in Western Himalaya

Dr. REMYA S N, Amrita Vishwa Vidyapeetham Kerala, India, India
Dr. Varsha Prem, Amrita Vishwa Vidyapeetham Kerala, India, India
Ms. Hari Chandana Ekkirala, Amrita Vishwa Vidyapeetham Kerala, India, India
Dr. Sudha Arlikatti, Amrita Vishwa Vidyapeetham Kerala, India, India

390 : Multi-Hazards Risk Assessment in Bhilangana River Basin, Garhwal Himalaya, Uttarakhand, India

Mr. Pawan Patidar, Wadia Institute Of Himalayan Geology, India

417 : GLACIAL DISASTER ASSESSMENT USING GEOSPATIAL TECHNOLOGY- A CASE STUDY OF THE RECENT SOUTH LHONAK LAKE EVENT OF OCTOBER 04, 2023, SIKKIM

Dr. Prakash Biswakarma, North Eastern Space Applications Centre, India
Mr. Suraj Kumar Swain, North Eastern Space Applications Centre, India
Mr. Surya Chandra Pratap Kishore Bodi, North Eastern Space Applications Centre, India
Dr. Kuntala Bhusan, North Eastern Space Applications Centre, India
Dr. Gopal Sharma, North Eastern Space Applications Centre, India
Dr. KK Sarma, North Eastern Space Applications Centre, India

740 : Assessing the Multi-faceted Impacts of Climate Change on Thajiwas Glacier Recession in the Kashmir Himalayas, India: Unravelling the Roles of Natural and Anthropogenic Factors

Ms. Khadijah Iffat Khan, Jamia Millia Islamia University, India
Mr. Mohammad Umar, Jamia Millia Islamia University, India

755 : GLACIAL LAKE OUTBURST FLOODS OF SOUTH LHONAK LAKE SIKKIM

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Mr. Moirangthem Barnat Meitei, PG Scholar, India
Mr. Akshay Saini, PG Scholar, India
Mr. Deepak Kumar, PG Scholar, India
Mr. Sanjeev Kumar, Assisstant Professor, India

756 : Glacier Retreat & Glacial Lake Outburst (Different Regions in India) – A Review

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Mr. Akshay Saini, PG Scholar, India
Mr. Abhigyan Deep Singh Rawat, PG Scholar, India
Mr. Sanjeev Kumar, Assisstant Professor, India

820 : Unveiling the Impending Threat: Glacier Outburst Floods (GLOFs) in a Warming World

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Mr. Mayank Pandey , Graphic Era (Deemed to be) University, Dehradun, India
Ms. Sonali Aggarwal, Graphic Era (Deemed to be) University, Dehradun, Country
Dr. Kishor Joshi, MIRA Heart Center, India

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Mr. Rameez Sudden, Azim Premji University, Bangalore. India, India

177 : Effect of Earthquake on Underground twin-tunnels

Mr. Rahul Shakya, National Institute of Technology Hamirpur, India
Dr. Manendra Singh, National Institute of Technology Hamirpur, India
Mr. Kartikeya Tripathi, OST Slope Protection Engineering India Pvt. Ltd., India

218 : Seismic risk assessment of Srinagar, Jammu & Kashmir

Mr. Rishi Garhwal, MPSDMA, India

269 : Appraisal of Active Tectonics in the Piedmont region of Uttarakhand Himalaya, India: Insights from Morpho-tectonic analysis and Ground Penetrating Radar (GPR) Investigations.

Mr. Harsh Kumar, Kurukshetra University Kurukshetra, India
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Dr. R. C. Patel, Banaras Hindu University (BHU), India
Mr. Abhishek Rawat , India

384 : Himalayan Earthquake Overview: Seismic Gap and Seismic Hazard

Dr. Naresh Kumar, Wadia Institute of Himalayan Geology, India

392 : Stress pattern analysis in Eastern Himalayan Syntaxis and its Seismotectonic implications: special emphasis in Siang Valley, Arunachal Pradesh, NE-India.

Dr. Dilip Kumar Yadav, Wadia Institute of Himalayan Geology, India

406 : Earthquakes scenario in northeast India: An appraisal on seismogenesis and subsurface structure

Dr. Devajit Hazarika, Wadia Institute of Himalayan Geology, Dehradun, India

701 : Man-Made Disaster: Lessons Learnt From Recent 6th February, 2023 Turkey Earthquake of Magnitude Mw 7.8

Dr. Amit Srivastava, Graphic Era deemed to be University, India

769 : SEISMIC DISASTER RISK IN NORTHERN INDIAN NORTHERN ZONES

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Mr. Akshay Saini, PG Scholar, India
Ms. Aditi Yadav, PG Scholar, India

770 : TRADITIONAL DISASTER RISK REDUCTION PRACTICES IN ODISHA

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Mr. Moirangthem Barnat Meitei, PG Scholar, India
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4.5: FLOODS AND FLASH FLOODS IN MOUNTAINS

10 : Analysis of Urban flooding of core Thimphu Thromde using Storm Water Management Model (SWMM) software and its mitigation measures

Mr. Rigden Yoezer Tenzin, Jigme Namgyel Engineering College, Bhutan

36 : Assessing the Impacts of Unregulated Water Release from Dams on Recent (2023) Floods and landslides in Himachal Pradesh, India: A Case Study and Policy Analysis

Mr. Mohammad Umar, Jamia Millia Islamia, India

80 : An observation of multiple causes of Chamoli Disaster: A case study

Mr. Wali Akhtar, Aligarh Muslim University, Aligarh, India
Dr. Salman Ahmed, Aligarh Muslim University, Aligarh, India
Mr. Mohammad Ribie Bin Arif, Aligarh Muslim University, Aligarh, India

135 : Siwalik Group of rocks, the deadly supplier of sediment loads chocking the rivers in Brahmaputra basin in North East India.

Mr. GAUTAM SAHA, Geological Survey of India, State Unit: Arunachal Pradesh, India

213 : Implementation of Automated Flood Warning System for NTPC Tapovan Vishnugad Hydro Power Project near Joshimath, India

Dr. Anubhav Srivastav, NTPC Ltd., India
Mr. R. Aravind, NTPC Ltd., India
Mr. Kuldeep Negi, NTPC Ltd., India

281 : 7 February 2021 flash flood in Rishiganga – Dhauliganga valleys of Chamoli district of Uttarakhand, India and way forward for resilience

Dr. Piyoosh Rautela, USDMA, India

303 : Comprehensive Flood Vulnerability Assessment and Resilience Building in the Himalayan Region of North Bengal, West Bengal, India

Ms. VANSIKA YADAV, ASUSTOSH COLLEGE, UNIVERSITY OF CALCUTTA, India
Mr. SUDIP DEY, STUDENT, ASUTOSH COLLEGE, UNIVERSITY OF CALCUTTA, India
Dr. SUPRAKASH PAN, ASSISTANT PROFESSOR, HARINGHATA MAHAVIDYALAYA, India

325 : Development of GIS based rainfall-induced flood early warning system for anticipatory disaster resilience in Uttarakhand

Mr. Sanjay Kumar Dwivedi, Indian Institute of Remote Sensing, Indian Space Research Organisation (ISRO), Dehradun, India
Dr. Praveen Kumar Thakur, Indian Institute of Remote Sensing, Indian Space Research Organisation (ISRO), Dehradun, India
Mr. Pankaj Ramji Dhote, Indian Institute of Remote Sensing, Indian Space Research Organisation (ISRO), Dehradun, India
Dr. Vaibhav Garg, Indian Institute of Remote Sensing, Indian Space Research Organisation (ISRO), Dehradun, India
Mr. Ravi Bhandari, Indian Institute of Remote Sensing, Indian Space Research Organisation (ISRO), Dehradun, India
Dr. Raghavendra Pratap Singh, Indian Institute of Remote Sensing, Indian Space Research Organisation (ISRO), Dehradun, India

341 : The Risk and Hazards of the " Roof of the world " Pamirian Mountains by Dustaliev Aligavhar from Tajikistan

Mr. Aligavhar Dustaliev, University of Lucknow, Tajikistan

382 : Fluvial Extremes in Himalayan regions and their impact on lower riparian states

Dr. Santosh Rai, Wadia Institute of Himalayan Geology Dehradun, India
Dr. Rouf Ahmad Shah, Wadia Institute of Himalayan Geology Dehradun, India
Dr. Satyabrata Das, Wadia Institute of Himalayan Geology Dehradun, India

383 : Control of geology on reinforcing the recent extreme event of the Teesta River, Sikkim Himalaya

Dr. Satyabrata Das, Wadia Institute of Himalayan Geology Dehradun, India
 Dr. Santosh Rai, Wadia Institute of Himalayan Geology Dehradun, India

400 : Accelerating water cycle and cloudbursts in the Central Himalaya

Dr. Nilendu Singh, Wadia Institute of Himalayan Geology, India
 Dr. Amit Kumar, Wadia Institute of Himalayan Geology, India
 Prof. Kalachand Sain, Wadia Institute of Himalayan Geology, India

428 : Monitoring flash flood events over the Sikkim state and nearby region during October month of 2023

Mr. Smruti Ranjan Sahu, Graphic Era Deemed to be University, India
 Prof. Kishan Singh Rawat, Professor, India

433 : Atmospheric dynamics and remote sensing studies during flash floods in the Himalayan Mountain Region.

Mr. Samaresh Bhattacharjee, Aryabhata Reserach Institute of Observational Sciences (ARIES), Nainital, Uttarakhand and Graphic Era (Deemed to be University), India
 Dr. Manish Naja, Aryabhata Reserach Institute of Observational Sciences (ARIES), Nainital, Uttarakhand, India
 Dr. Kishan Singh Rawat, Graphic Era (Deemed to be University), India

572 : Disaster Detection Using Machine Learning

Ms. sanjana saxena, Graphic ERA Hill University Dehradun Uttarakhand, India

680 : Natural Disaster in the Kotdwar region of district Pauri Garhwal, Uttarakhand

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 Dr. Avnish Chauhan, Graphic ERA Hill University, India
 Dr. Kamal Joshi, Graphic ERA Hill University, India

691 : Climate change effects and the significance of the armed forces in the aftermath of Uttarakhand disasters – a compendium study

Ms. Prerna Sharma, Graphic ERA Hill University, India
 Dr. Rekha Goswami, Graphic ERA Hill University, India
 Dr. Avnish Chauhan, Graphic ERA Hill University, India

762 : FLASH FLOODS OF HIMACHAL PRADESH: AN ANTHROPOGENIC CALAMITY

Dr. Deepshikha Shukla, Graphic Era (Deemed to be) University, India
 Ms. Aditi Yadav, PG Scholar, India
 Mr. Akshay Saini, PG Scholar, India
 Mr. Deepak Kumar, PG Scholar, India
 Mr. Jatin Parmar, PG Scholar, India
 Mr. Shashank Kothari, Assisstant Professor, India

804 : Evaluating Flood Impact on River Banks in Uttarakhand: Lessons from the Devastating Alaknanda River Floods in 2013 and 2021

Dr. Vipin Kumar, Doon University, India
 Prof. Yaspal Sundriyal, HNB Garhwal University, India

819 : SCRUTINIZING SOCIAL SAFETY NET : A CASE STUDY OF CHAMOLI FLASH FLOODS

Ms. Swathi Verma, Graphic era deemed to be university Dehradun, India

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RI-ES: RESILIENT INFRASTRUCTURE & ECOSYSTEM SERVICES

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RAPPORTEUR: MR. PUNEET GUPTA

4.8: PROTECTING MOUNTAIN BIODIVERSITY AND ECOSYSTEM SERVICES**13 : Legal Strategies for Safeguarding Himalayan Ecosystems: Balancing Biodiversity Protection and Development in India**

Dr. Priyanka Dhar, Hidayatullah National Law University, India

14 : Plant successional changes in recent landslides of Garhwal Himalayas in Uttarakhand

Mr. DEEPESH GOYAL, GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, India
Prof. VARUN JOSHI, GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, India

141 : GIS integrated assessment of sediment retention services in Doon valley of Uttarakhand: Valuing the soil protection services of Forest Ecosystem

Ms. Diksha Verma, Forest Research Institute, India
Dr. Vishavjit Kumar, Indian Council of Forestry Research and Education (ICFRE), India

149 : 1) SLOPE PROTECTION, LANDSLIDE MITIGATION AND DISASTER MANAGEMENT USING FLEXIBLE CCGC SOLUTION 2) QUICK INSTALL RISK FREE FLOOD BARRIER IN FLASH FLOOD PRONE AREAS 3) PROTECTION OF COASTLINE USING GEOTEXTILE TUBES AND PROTECTION OF GEOTEXTILE TUBES WITH CCGM

Mr. Sanjeev Vyas, Signet Enerotech Pvt.Ltd., India
Mr. Karan Vyas, Signet Enerotech Pvt.Ltd., India
Mr. Darshan Khedkar, Signet Enerotech Pvt.Ltd., India

243 : Nurturing Mountains: Strategies for Biodiversity Conservation Amidst Hazards

Ms. Ishani Sharma, Forest Research Institute, Deemed (to be) University, Dehradun, India

284 : ddva

Dr. Sumant Kumar, Bigmind Infotech pvt ltd., India

441 : HIMALYAN CHIR PINE BIOMASS AS ADSORBENT FOR REMOVAL OF INDUSTRIAL DYE

Dr. Brijesh Prasad, Graphic Era (Deemed to be University), India
Dr. Rekha Goswami, Graphic Era Hill University, India
Dr. Abhilasha Mishra, Graphic Era (Deemed to be University), India
Dr. Fateh Singh Gill, Graphic Era (Deemed to be University), India
Mr. Anjas Asrani, Graphic Era (Deemed to be University), India
Dr. Munish Kumar Gupta, Opole University, Poland

502 : Pollinator corridor: An approach to facilitate the migrate and conserve the pollinators

Dr. Gaurava Kumar, Graphic ERA Hill University, Dehradun, India

693 : Identification and Pathogenicity of Nigrospora sphaerica causing leaf blight on Bambusa polymorpha

Ms. NITIKA BANSAL, Graphic Era (Deemed to be University), India
Dr. Anju Rani, Graphic Era (Deemed to be University), India
Dr. Shailesh Pandey, ICFRE-Forest Research Institute, Dehradun, India

711 : Conservation of Agrobiodiversity and its Management involving climate-smart agriculture practices in Mandakini Valley, Uttarakhand

Mrs. POOJA KALA, GEU, India
Dr. GAJENDRA RAWAT, SCIENTIST, India
Prof. ARCHANA BACHHETI, PROF, India
Dr. PRATIBHA NAITHANI, HOD, India

759 : Changes sustainable change scenario in water resources due to climate change: A Review for Needs in India

Dr. pradeep kumar bhunya, Graphic Era University, India
Dr. K K Gupta , India
Dr. sanjeev kumar, India

787 : CHANGES IN AVIAN DIVERSITY BEFORE AND AFTER VYASI HYDROPOWER DAM CONSTRUCTION IN DEHRADUN DISTRICT OF UTTARAKHAND, INDIA

Prof. Kamal Joshi, Graphic ERA Hill University, Dehradun, India

4.9: RESILIENT INFRASTRUCTURE IN THE HIMALAYAN ECOSYSTEM

96 : Climate Change Risks in Mountain Cities and Infrastructure Governance: A Case Study of Shimla, Himachal Pradesh

Prof. Geeta Sinha, Associate Professor, India
Ms. Vaishali Sharma, O.P. Jindal Global University, India
Ms. Anchal Kashyap, PhD Student, India

107 : Comprehensive analysis of land subsidence in Joshimath due to infrastructural development and its geohazard implications

Ms. Pallavi Singh, BANARAS HINDU UNIVERSITY, India
Ms. Shweta Mishra, BANARAS HINDU UNIVERSITY, India

115 : Carrying Capacity Breach In The Himalayas

Ms. Bidisha Chatterjee, Indira Gandhi National Open University, India
Mr. Himadri Chatterjee, IIT Roorkee, India

137 : Ecological Risks in Mountain Cities and Infrastructure Governance: A Case Study of Shimla, Himachal Pradesh

Prof. Geeta Sinha, Associate Professor, India
Ms. Anchal Kashyap, PhD Student, India
Ms. Vaishali Sharma, PhD Student, India

154 : Multipurpose Disaster Support Shelters: Experience of the Chittagong Hill Tracts, Bangladesh

Dr. Mahfuzul Haque, Bangladesh University of Professionals, Bangladesh

401 : Characterization of Himalayan Phyllite with reference to Foliation Planes

Mr. Divyanshu Singh, Rajiv Gandhi Institute of Petroleum Technology, India
Prof. Hemant Kumar Singh, Rajiv Gandhi Institute of Petroleum Technology, India
Mr. Kumar Nilankar, Rajiv Gandhi Institute of Petroleum Technology, India
Dr. Tariq Anwar Ansari, Wadia Institute of Himalayan Geology, Dehradun-248001, Uttarakhand, India , India

427 : Disaster and Development Connundrum: A Case Study of Uttarakhand

Ms. AKANCHHA SINGH, Jawaharlal Nehru University, India

741 : Risk Underlying Infrastructure Development in the Mountainous Region Of Himachal Pradesh

Ms. Nikita Pal, Center for Disaster Management, Jamia Millia Islamia, India
Ms. Trina Sur, Center for Disaster Management, Jamia Millia Islamia, India

TS 29 CB-DRR : COMMUNITY-BASED DRR

CHAIR: DR HEMNTHI RANASIGHE

CO-CHAIR: DR. BHAVTOSH SHARMA (USERC), DR. SUMIT PUROHIT (UCB)

RAPPORTEUR: MS ATISHA SOOD (NIDM)

5.1: COMMUNITY-BASED DISASTER RISK REDUCTION

97 : Lightning in Jharkhand:Factors and response

Mr. Priyanshu Roy, xavier institute of social service, India

110 : Community Resilience Capabilities and Disaster Recovery: A study of coastal communities of Kerala

Dr. Sangeetha K Prathap, Cochin University of Science and Technology, India

132 : Youth-led Response: A Case Study from Himachal

Prof. Santosh Kumar, National Institute of Disaster Management (NIDM), India
Dr. Kumar Raka, National Institute of Disaster Management (NIDM), India
Ms. Dolphi Raman, Child Rights and You (CRY), India

161 : Disaster Preparedness and Awareness among University Students: A Study of Awareness and Preparedness for Earthquake

Dr. Afiya Bano, Shri Ramswaroop Memorial University, India
Dr. Neeti Kushwaha, University of Lucknow, India

168 : IMPACT OF CLIMATE CHANGE ON COASTAL COMMUNITIES OF ODISHA

Dr. MALINI SETHI, Ravenshaw University, India

201 : Disaster Vulnerability of Transgender Communities: Assessing its Impact and Management in India

Ms. Simran ., Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India

224 : Community based disaster risk reduction

Ms. Shrishti Vats, Indira Gandhi National Open University, India

259 : Climate Change Perceptions, Impacts and Community Led Adaptation Strategies in Noakhali Coast, Bangladesh

Prof. Edris Alam, Rabdan Academy, United Arab Emirates

285 : Cyclone Disaster: Destruction and Disruption A Micro Study on Marine Fishers in IndiaProf. E. Nagabhushana Rao, Institute for Development Studies Andhra Pradesh , India
Dr. Surapa Raju, Institute for Development Studies Andhra Pradesh, India**362 : An investigative study regarding the way New Media is used in Sri Lanka specifically to increase social awareness of the country's periodic natural disasters**

Ms. Vithanage Maleesha Dilhani, University of Lucknow, Sri Lanka

491 : Integrating Community-Based Disaster Risk Reduction and Consumer Education Initiatives in Marketing Strategies for Enhancing Sustainable Consumption and Local Agriculture in Uttarakhand

Mr. Mohit Gundwal, Graphic Era Deemed to be University, India

517 : Issues and urgency for revamping the policies on Disaster Management based on local needsProf. Ashish Thapliyal, Graphic Era Deemed to be University, India
Prof. Madhu Thapliyal, RCU Govt. PG College, Uttarkashi, Country**540 : Assessing the Effectiveness of Flood Warning Systems and Community Response: A Case Study in Uttarakhand, India**Mr. Anoop Bahuguna, Graphic ERA Hill University, India
Dr. Kishan Singh Rawat, Graphic Era deemed to be University, India
Mrs. Ritiksha Danu, Graphic ERA Hill University, India
Mr. Ankit Negi, Graphic ERA Hill University, India**801 : Forecasting Disaster Management Using WSN**Mr. Rahul Bijalwan, Graphic Era Deemed To Be University, India
Ms. Akshita Patwal, Graphic Era Deemed To Be University, India
Ms. Vandana Rawat, Graphic Era Deemed To Be University, India**5.2: CONSTRAINTS IN PROMOTING TRADITIONAL PRACTICES****523 : Hacking: The Double Edged Sword Of Digital Age**

Ms. Rashika Negi, Graphic ERA Hill University Dehradun, India

5.3: DISASTER RISK MANAGEMENT IN FISHERIES, AQUACULTURE**70 : Microplastics an emerging Disaster to Fisheries and Aquaculture sector**

Dr. Nivedita Das, Modern collegeASC Ganeshkhind SPPU Pune 16, India

459 : Dams: Dual Roles in Disaster Dynamics - Assessing Impacts and Mitigation StrategiesMr. Deepak Bhatt, Graphic Era Deemed to be University, India
Mr. Ayush Payal, Graphic Era Deemed to be University, India
Mr. Nikhil Garg, Graphic Era Deemed to be University, India
Dr. Sourav Kumar Das, Manipal University Jaipur, India
Dr. Sanjeev Kumar, Graphic Era Deemed to be University, India
Dr. Kishan Singh Rawat, Graphic Era Deemed to be University, India**5.5: HUMAN-ENGINEERED CONFLICTS (MITIGATION OF)****43 : Empowering Women in Bangladesh RMG Industry: Labour Law**

Ms. N. Nabila Hoque, District and Session Judge Court, Bangladesh

429 : Fossil fuels: Global energy economics and its environmental implication

Dr. Pramod Kumar Rajak, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand (India)., India

498 : Insect Pests in Changing Climate: A Threat to Global Crop Production

Dr. Gaurava Kumar, Graphic ERA Hill University, Dehradun, India

767 : Human Engineered Conflict In Uttarakhand Due To Infrastructure Development

Dr. Deepshikha Shukla, Graphic Era (Deemed to be) University, India

Mr. Amit Singh Kholiya, PG Scholar, India

Mr. Moirangthem Barnat Meitei, PG Scholar, India

Mr. Abhigyan Deep Singh Rawat, PG Scholar, India

Mr. PJ Rama Raju, Assisstant Professor, India

Mr. Deepak Bahuguna, Assisstant Professor, India

TS 30 TKS-DRR-1 : Traditional Knowledge Systems for Disaster Risk Reduction 1

Chair: Prof. Dharam Buddhi (Uttaranchal University)

Co-Chair: Shri Abhijeet Dwivedi (SCDR/JNU)

Rapporteur:

5.4: Nature-based Solutions for DRR

12 : From Peaks to Valleys: Leveraging Himalayan Ecosystems for Disaster Resilience

Dr. Kamal Narayan, HNLU Nava Raipur, India

61 : SHIPRA RIVER BASIN PLANNING FOR DEVELOPING RESILIENT STRATEGIES FOR MANAGING DROUGHT RISK

Dr. Ravi Galkate, National Institute of Hydrology, India

Dr. Rahul Kumar Jaiswal, National Institute of Hydrology, India

198 : Disaster Risk Reduction: Integrating Ecosystem-Based Strategies and Sustainable Practises in High-Altitude Landslide-Prone Regions of Kerala, India

Mr. MUHAMMED NAFIH KM, Pondicherry University, India

5.7: Rebuilding in the Aftermath of the COVID-19 Pandemic

169 : Rebuilding Industry in the aftermath of the COVID-19 pandemic: Risk reduction practices and risk transfer.

Dr. Dr Vilas Waikar, Chartered Insurance Institute, India

426 : Cinchona plantation in the Eastern Himalayas in India: History, diversity, and possible significance in pandemic prevention

Dr. Sayan Bhattacharya, Nalanda University, India

489 : COVID-19 Pandemic and its impact on Food security & Nutritional challenges

Ms. Devika Thapa, Graphic Era Deemed to be University, India

5.8: SCIENTIFIC VALIDATION OF TRADITIONAL KNOWLEDGE

669 : this is based on management of hospital

Mr. Karan Chand, Graphic ERA Hill University, India

789 : Ethnobotanical study on medicinal plants used by the tribal community of Papumpare district, Arunachal Pradesh, India

Ms. Pratibha Bisht, TERI School of Advanced Studies, India

Ms. Pratibha Bisht, TERI School of Advanced Studies, India

Dr. Naveen Chandra Joshi, Wildlife Institute of India, India

Dr. Suneel Pandey, India

5.9: TRADITIONAL DISASTER RISK REDUCTION PRACTICES OF THE PEOPLE

125 : Traditional Healing Wisdom and Resilience: Exploring the Bhotiya Tribe's Ayurvedic Practices in Health and Disaster Preparedness

Ms. Kratika Verma, JNU, India

139 : Traditional disaster risk reduction practices of the people and their effectiveness in the present world

Ms. Nida Khan, MANIT, Bhopal, India
Mr. Amit Biswal, MANIT, Bhopal, India

196 : Grass peas (Lathyrus sativus L.): a nutritional supplement, an orphan crop, or merely food?

Mr. Saikrishna Reddy Thokala, SR University, India
Ms. Pooja Srivastav, India
Mr. Karthik HP, SR University, India
Ms. Soujanya Thota, SR University, India
Ms. Lavanya kale, SR University, India

287 : Traditional practices of the people of Uttarakhand Himalayan in India and relevance of these in disaster risk reduction in present times

Dr. Piyoosh Rautela, USDMA, India

5.10: TRADITIONAL KNOWLEDGE AND INNOVATIONS FROM THE GRASSROOTS

35 : ROLE OF INDIGENOUS COMMUNITIES AND THEIR TRADITIONAL KNOWLEDGE IN DISASTER PREPAREDNESS AND MANAGEMENT

Dr. Aarushi Batra, UPES, Dehradun, India

126 : Resilience Rooted in Place: Exploring Vernacular Flood Adaptation Strategies in Dharavi

Mr. Anubhav Goyal, CIAUD, Research Centre for Architecture, Urbanism and Design, Lisbon School of Architecture, Universidade de Lisboa, India
Prof. Maria Matos Silva, Professor, Portugal
Prof. Sergio Barreiros Proenca, Professor, Portugal

129 : Urban flood in Lower Periyar River Basin, Kerala: Patterns of Vulnerability and Resilience among Women

Dr. Jayarajan K, Department of Geography ,Govt College chittur, India
Dr. Sreelu Sreepadi , HSST Geography, India
Dr. Dhanya P, HSST Geography, India
Mr. Suresh Kumar S, Department of Geography, Govt College chittur, India

219 : Design and Construction of Sustainable Artificial Lakes in Small Communities for Disaster Management

Mr. DIPAK BASUMATARI, CSIR-NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT, ASSAM, INDIA, India
Dr. SANJAY DEORI, CSIR-NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT, ASSAM, INDIA, India
Dr. G NARAHARI SASTRY, CSIR-NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT, ASSAM, INDIA, India
Dr. LEON RAJ J, CSIR-NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY, JORHAT, ASSAM, INDIA, India
Mr. NIBIR PRAN BORAH, CSIR-NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY JORHAT ASSAM, India
Mr. RAJIB DAS, CSIR-NORTH EAST INSTITUTE OF SCIENCE AND TECHNOLOGY JORHAT ASSAM, India

227 : Responsive and contextual Risk preparedness strategies for Climate-related hazards in hot and dry region through Traditional wisdom and Scientific approach

Mrs. Pooja Agrawal, MNIT, Jaipur, India
Dr. Ashwani Kumar, Assistant Professor, India
Dr. Satish Pipralia, H.O.D, India

304 : Disaster Responsive Historic Settlement of Devaprayag, Uttarakhand - In context of Uttarakhand flash floods 2013

Ms. Meghna Chatterji, -, India

308 : Indigenous Wisdom and Mountain Ecosystem Entanglements: Insights into Rozvi Disaster Resilience Secrets

Dr. Lesley Hatipone Machiridza, Institute of African Studies and Egyptology, University of Cologne, Germany
Dr. Lesley Hatipone Machiridza, Germany

420 : Ecological Balance and Health Security: A Conundrum of Human Activity

Dr. Pooja Sharma, Daulat Ram College, University of Delhi, India
Mr. Amit Anand, India

611 : Impact of organic farming on the Indian economy

Dr. Savita Tamta, Graphic ERA Hill University, India

643 : The exciting world of computer science

Mr. Akshat Kumar Srivastava, Graphic ERA Hill University, India

739 : Climate Change Pattern and its Effect on Changing Flood Characteristics in India as a case study

Dr. pradeep kumar bhunya, Graphic Era University, India
Dr. Deepshikha Shukla, associate professor, India

TS 31 TKS-DRR-2 : Traditional Knowledge Systems for Disaster Risk Reduction 2

Chair: Prof. Abhay Saxena (Dev Sanskriti University)

Co-Chair:

Rapporteur: Dr. Chetna Joshi (NIDM)

5.10: Traditional Disaster Risk Reduction Practices of the People

330 : Water Salinity and Its Concerning Risks

Ms. Najifa Tabassum, University of Lucknow, Bangladesh

331 : Drought; A Plausible Deadly Disaster in Bangladesh Challenges and Mitigation

Ms. Ananna Rani Sharma, University of Lucknow, Bangladesh

332 : Living with Water: Adaptation Strategies in Bangladesh's Flood-Prone Regions

Mr. AIKKYO PAUL, University of Lucknow, Bangladesh

333 : Water Quake: Unveiling the Hidden Tremors Beneath the Seas Precautions and Resilience

Ms. Sadia Eslam Nahida, University of Lucknow, Bangladesh

334 : Tainted Waters of Bangladesh: Understanding Arsenic Contamination and Pathways to Prevention

Ms. PUE ROY, University of Lucknow, Bangladesh

335 : Soil Degradation and It's Dangerous Aspects

Ms. Saioda Lailatul Ferdous Eva, University of Lucknow, Bangladesh

337 : Mitigating Challenges: Digester Management for Riverbank Erosion and Earthquake Resilience in Bangladesh

Mr. Arnab Chakraborty, University of Lucknow, Bangladesh

338 : Environmental Challenges in Bangladesh: Navigating Excessive Fog, Humid Weather, Drought, and Heavy Rainfall

Mr. MD CHAMON ALI, University of Lucknow, Bangladesh

339 : Dengue Fever Management: A Comprehensive Approach to Prevention, Detection, and Community Engagement

Mr. PRONABESH BARMAN, University of Lucknow, Bangladesh

340 : Understanding the dynamics of Information sharing and communication to enhance community resilience: Evidence from the Chor Kowa Union of Barishal Sadar of Bangladesh

Mr. MD OHIDUR ZAMAN, University of Lucknow, Bangladesh

351 : Climate Change and the Resilience of Natural and Historic Tourism Sites in Bangladesh: Balance Conservation and Sustainable Tourism

Ms. Prianti Reja Easha, University of Lucknow, Bangladesh

353 : FLOOD DISASTER MANAGEMENT IN BANGLADESH

Ms. Tanjina Akter Tumpa, University of Lucknow, Bangladesh

359 : Traditional approach towards disaster management in Russia and its role nowadays

Ms. Mariia Litvinova, University of Lucknow, Russian Federation

368 : Flood risk management: Evidence from the highly flood-prone city Sylhet of Bangladesh

Ms. Durba Paul Hritu, University of Lucknow, Bangladesh

369 : Natural Disasters and Mountain Ecosystems and Communities in Bangladesh: A Delicate Balance

Mr. Hrithik Biswas Badhon, University of Lucknow, Bangladesh

370 : Cyclone Disaster Management in Bangladesh

Ms. Shimul Bairagi, University of Lucknow, Bangladesh

372 : Women's Empowerment in Disaster Management: The Impact of CPP in Bangladesh

Ms. Ayshawrja Das Progga, University Of Lucknow, Bangladesh

376 : URBAN FLOOD MANAGEMENT IN BANGLADESH

Ms. Sanjida Jaman Srabone, University of Lucknow, Bangladesh

485 : POTENTIAL AND PROMOTION OF MILLETS AS LOW COST CLIMATE RESILIENT CROPS FOR FOOD SECURITY DURING NATURAL DISASTERS IN UTTARAKHAND

Prof. Deepak Kholiya, Graphic ERA Hill University Dehradun Uttarakhand India, India
Dr. Archana Bachheti, Graphic Era (Deemed to be University) GEU, India

581 : AI and ML in health care

Ms. Harshita bisht, Graphic ERA Hill University, India

708 : Relevance of the traditional wisdom of the people of Uttarakhand Himalaya in present times

Dr. Piyoosh Rautela, USDMA, India
Mrs. Meenakshi Bist, India
Dr. Deepshikha Rawat, India

745 : UTILIZATION OF INDIGINEOUS KNOWLEDGE IN EFFECTIVE DISASTER RISK REDUCTION

Ms. Aysa Imam, Jamia Millia Islamia, India

766 : INDIGENOUS KNOWLEDGE AND PRACTICES TO REDUCE DISASTER RISK IN INDIA

Dr. Deepshikha Shukla, Graphic Era (Deemed to be) University, India
Mr. Moirangthem Barnat Meitei, PG Scholar, India
Mr. Akshay Saini, PG Scholar, India
Mr. Jatin Parmar, PG Scholar, India
Mr. P.J. Rama Raju, Assistant Professor, India

POSTER

PRESENTATION

SCHEDULE OF TECHNICAL SESSIONS (POSTER PRESENTATION)

Day One / Technical Session
Theme 1 / 28-Nov-23 / 14:30 to 18:00

INNOVATIONS IN DISASTER RISK REDUCTION AND RESILIENCE.		Count	Abstract Numbers
1.1	Community Action Including Informal Networks	3	301, 476, 638
1.2	Disaster Response Systems, Grassroots Approaches	5	378, 379, 481, 558, 561
1.3	People-Centric Development	1	365
1.4	Recovery And Reconstruction	2	533, 597
1.5	Resilient Economic Infrastructure	1	720
1.6	Resilient Environmental Infrastructure	3	147, 271, 447
1.7	Resilient Financial Systems		
1.8	Resilient Social Infrastructure, Reaching The Last Mile	1	712
1.9	Risk Assessment	4	251, 252, 394, 718
1.10	Social Protection - Informal Economy, Women, And The Marginalized		
1.11	Strengthening Drr And Resilient Systems	4	300, 435, 439, 519
1.12	Sustainable Natural Resources Management	6	329, 444, 445, 457, 700, 715

Day Two / Technical Session Themes 2 / 29-Nov-23 / 14:30 to 18:00

CHALLENGES IN TACKLING DRR ISSUES:		Count	Abstract Numbers
2.1	Climate adaptation for resilience	4	60, 187, 373, 375
2.2	Decarbonization and disaster-risk-reduction equation		
2.3	Equity and inclusiveness, women-centric, people-oriented DRRM planning	2	403, 612
2.4	Finance and/or technology challenges in DRR		
2.5	Forecasting and early warning coverage & systems		
2.6	Governance and policy issues in DRR	4	111, 374, 448, 567
2.7	India's G20 leadership - WG-DRR: Lessons on the way forward		
2.8	Multi-hazard early warning cooperation	1	610
2.9	Resilient aviation in a changing climate		
2.10	Roads, railway, and bridges risk assessment and mitigation	1	104
2.11	Spatial technologies for DRM	2	236, 240
2.12	Vulnerability to climate hazards	3	140, 268, 553

Day Two / Technical Session Themes 3 / 29-Nov-23 / 14:30 to 18:00

Multidisciplinary research and best practices		Count	Abstract Numbers
3.1	Case studies / Best Practices - Cities, settlements, infrastructure	3	249, 689, 799
3.2	Case studies / Best Practices - Financing DRR		
3.3	Case studies / Best Practices - Legal and Policy	2	190, 512
3.4	Case studies / Best Practices - Nature-based solutions	16	62, 191, 263, 309, 436, 460, 469, 482, 484, 486, 500, 547, 648, 751, 758, 798
3.5	Case studies / Best Practices - Technology, finance, capacity building	13	434, 510, 537, 603, 635, 637, 644, 653, 656, 657, 658, 684, 695
3.6	Innovation and Emerging technologies including EWS	10	150, 451, 465, 483, 625, 630, 670, 690, 702, 716
3.7	Methodologies and Frameworks for DRRM, Digital risk database (EWS)	1	265
3.8	Standards and Certification	2	551, 627

Day Three / Technical Session Themes 4 / 30-Nov-23 / 14:30 to 18:00

Mountain specific hazards and their management		Count	Abstract Numbers
4.1	Avalanche, snowstorms, blizzards and rockfall readiness		
4.2	Community based disaster management and indigenous knowledge	1	544
4.3	Emergency preparedness and response in mountain landscapes		
4.4	Enhancing resilience and preparedness of mountain communities	2	71, 244
4.5	Floods and flash132 :	5	148, 391, 397, 398, 432
4.6	Glacial retreat and glacier lake outburst	1	388
4.7	Landslide and Land subsidence	4	385, 386, 732, 772
4.8	Protecting mountain biodiversity and ecosystem services	9	440, 471, 478, 488, 503, 504, 535, 559, 705
4.9	Resilient infrastructure in the Himalayan ecosystem	2	248, 377
4.10	Seismic risks, earthquakes and mountain environment	1	405

Day Three / Technical Session Themes 5 / 30-Nov-23 / 14:30 to 18:00

Traditional risk reduction practices and voices from the grassroots		Count	Abstract Numbers
5.1	Community-based disaster risk reduction	1	254
5.2	Constraints in promoting traditional practices	1	527
5.3	Disaster Risk Management in Fisheries, Aquaculture		
5.4	DRR development for small island economies and LDCs		
5.5	Human-engineered conflicts (mitigation of)		
5.6	Nature-based solutions for DRR		
5.7	Rebuilding in the aftermath of the COVID-19 pandemic	1	602
5.8	Scientific validation of traditional knowledge		
5.9	Traditional disaster risk reduction practices of the people	4	31, 245, 452, 509
5.10	Traditional knowledge and innovations from the grassroots	1	678

Abstract ID	Abstract_TrackID	AbstractTitle	Author Name
31	WCDM23_ABS_U1811	Ecological Refugees, Vanquished Islands and Need for Life-Boats in Southern Sunderbans, West Bengal	Ms. Sohini Chakraborty
60	WCDM23_ABS_S7687	A Study on Psychosocial Impacts of Climate Change faced by Farmers and the Implications of Green Social Work	Ms. Sathana Nagarajan
62	WCDM23_ABS_D8113	Airborne Angles: A Comprehensive Review of Applications and Challenges	Mr. Syed Husain
71	WCDM23_ABS_A2561	Effects of Climate Change: A case study of Leh, Ladakh, India	Mr. Pankaj Kumar
104	WCDM23_ABS_U6532	Enhancing Tourist Mobility and Sustainable Growth: A Comprehensive Mobility Plan for Mussoorie	Ms. Srishti Singh
111	WCDM23_ABS_T6108	"Where is the Cyclone?": Driving the attention of policymakers towards cyclone risk reduction and cyclone risk communication.	Ms. Sreshtha Mondal
140	WCDM23_ABS_Y9399	SOUTH WEST KHASI HILLS DISTRICT, MAWKYRWAT, MEGHALAYA (INDIA) LANDSLIDES' 2022: A LESSON LEARNT	Dr. Ebormi S Langshiang
147	WCDM23_ABS_P9500	On applicability of Artificial Intelligence and Machine Learning in data-sparse region of Himalaya for climate and disaster resilience	Mr. Tanmay Dhar
148	WCDM23_ABS_R3426	Flood Hazards Management in Uttarakhand, India, Amidst Compounding Climate Risks at Global Warming Levels	Dr. Pawan Chaubey
150	WCDM23_ABS_R7096	CMIP5 ensemble-based spatial rainfall and temperature projection for disaster mitigation in six hilly districts of Uttarakhand Himalaya	Mr. Tanmay Dhar
187	WCDM23_ABS_A3549	Food supply chain management in disaster events	Mr. Karthik H P
190	WCDM23_ABS_M7209	Food water nexus -strategies, challenges and management	Mr. Karthik H P
191	WCDM23_ABS_K8178	Neglected underutilized species - key to climate resilient agriculture	Mr. Chennamsetti Lakshmi Naga Manikanta
236	WCDM23_ABS_V2610	Machine Learning and Geospatial Technology for Flood Prediction and Mapping: A step towards disaster preparedness in the Uttarakhand region of India	Ms. Atulya Dhar
240	WCDM23_ABS_H2950	Shoreline Demarcation and Erosion/Accretion Estimation in the parts of Tamil Nadu Coast, India	Ms. Anuya Ramteke
244	WCDM23_ABS_G9735	Enhancing the Livelihood Security of rural poor in Landslide Threatened Areas, Case area: Devikulam, Idukki	Ms. Aswathy K B
245	WCDM23_ABS_D2803	Kath Kuni Architecture: Bridging Tradition and Modern Earthquake Resilience.	Ms. Jasmine Parihar
248	WCDM23_ABS_S7519	Shivratri, Climate Change and Natural Calamities: A Focus on the Debilitating Effects of Mega-Celebration in Mountain Ecosystem of Haridwar	Ms. Nitesh Lohan
249	WCDM23_ABS_B2796	Autoradiographic imprints of Uraniferous Middle Siwaliks: A case Study.	Mr. Harish Khali
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