

3rd International Webinar On NATURAL HAZARDS AND MANAGEMENT 22-23 November, 2022

Organized by



Bundelkhand University
Jhansi, Uttar Pradesh
India



**Institute of Geology, Karelian Research
Centre, Russian Academy of Sciences**
Petrozavodsk, Russia



Government Degree College
Gururabanj
Almora, Uttarakhand, India

Patrons, Keynote Speakers and Conveners



Dr. Dhan Singh Rawat
Honorable Higher Education
Minister, Uttarakhand, India



Prof. Mukesh Pandey
Vice Chancellor,
Bundelkhand University,
Jhansi, India



Prof. Sergei Svetov
Director, IGKRC, RAS,
Petrozavodsk, Russia



Prof. H.B. Srivastava
Vice Chancellor,
Siddharth University,
Kapilvastu, India



Dr. Praveen Joshi
Director, Higher
Education,
Uttarakhand, India



Prof. T.N. Singh
Director
IIT Patna, Bihar, India



Prof. V.A. Shekov
IGKRC, RAS, Petrozavodsk,
Russia



Prof. C.S. Dubey
Vice Chancellor, K R
Mangalam University,
Gurgaon, India



Prof. Dhruvsen Singh
Department of Geology,
University of Lucknow,
India



Prof. Y.P. Sundriyal
Dept. of Geology, HNB
Garhwal University,
Srinagar, India



Prof. D.V. Jhirov
Geological Inst. of the
Kola Scientific Center,
RAS, Apatity, Russia



Dr. O.D. Mokrushina
Geological Inst. of the
Kola Scientific Center,
RAS, Apatity, Russia



Prof. Ashok K. Singh
Deptt. Physics, Dean,
Faculty of Engg. &
Technology, Lucknow
University, India



Dr. Lokesh K. Sinha
Ex-Director, DTRL,
DRDO, Delhi, India



Dr. A.A. Lebedev
IGKRC, RAS,
Petrozavodsk, Russia



Prof. Nageshwar Dubey
Dept. of Geology, Addis
Ababa Sci. & Tech.
University, Ethiopia



Prof. R. Baskar
School of Sciences,
IGNOU, New Delhi,
India



Dr. Ashalata Singh
Department of
Botany, BHU,
Varanasi, India



Prof. Suresh C. Bhatt
Geology, BU Jhansi, India



Dr. Shantanu Sarkar,
CSIR- CBRI, Roorkee,
India



Dr. A.K. Singh
NRDMS Division, DST,
New Delhi, India



Dr. Sarada P. Pradhan,
Dept. of Earth Sciences,
IIT Roorkee, India



Prof. V. Srivastava,
Geology, BHU, India



Dr. A. K. Biyani
Dehradun, India



Prof. Sandeep Singh
Department of Earth
Sciences, IIT Roorkee,
Uttarakhand, India



Dr. Girish C. Kothiyari,
University of Petroleum
and Energy Studies,
Dehradun, India



Dr. Droupti Yadav
School of Science, CSJM
University, Kanpur, India



Dr. Rahul Verma,
Botswana, South
Africa



Dr. Mohit Kumar Puniya
Scientist-C, National
Geotechnical Facility,
Survey of India,
Dehradun, India



Piyush Kumar Singh
Department of Earth
Sciences, IIT Roorkee,
Uttarakhand, India

Conveners:



Prof. Vinod K. Singh
Convener (Webinar),
India



Prof. Ram Autar Singh
Convener (Webinar),
India

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22 November and 23 November, 2022

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Call for Manuscripts – Interested contributors are requested to submit their full-length papers of maximum 10 A4 pages (including figures & tables) with 1 inch margin all sides, Times New Roman 12, through e-mail (vinodksingh@bujhansi.ac.in and singhdr.ramautar@gmail.com) latest by 15th March, 2023. We aim the publication of full papers for the proceedings of the Webinar after peer review.

Presentation of papers: Presentations should be done online. Every participant will be given 10 minutes time for presentation and 5 minutes for discussion.

Kindly make your registration on google form with following link for the 3rd International Webinar on "Natural Hazards and Management"

<https://forms.gle/3ZQUBtxhKZEKvibb8>

TIME SCHEDULE

Day – 1: 22 November 2022			
Inaugural Session			
S. No.	Indian (Moscow) Standard Time	Name and address	Topic
1	12:30 – 12:40 (10:00 – 10:10)	Prof. Mukesh Pandey Vice Chancellor Bundelkhand University, Jhansi, India	Inaugural address to participants
2	12:40 – 12:50 (10:10 - 10:20)	Prof. Sergei Svetov , Director, IG, KarRC, RAS, Petrozavodsk, Russia Prof. Vinod K. Singh, Geology Dept., Bundelkhand University, Jhansi, India	Highlights on MOU between Bundelkhand University, Jhansi, India and Institute of Geology, KRC, RAS, Petrozavodsk Russia
3	12:50 – 13:10 (10:20-10:40)	Prof. T.N. Singh Director, IIT Patna, Bihar, India	Rock mass instability
4	13:10 – 13:20 (10:40-10:50)	Dr. A.K. Singh NRDMS Division, DST, New Delhi, India	Disaster Risk Reduction: Role of Department of Science & Technology, Gov. India, New Delhi
5	13:20 – 13:35 (10:50 – 11:05)	Prof. C.S. Dubey Vice-Chancellor, K R Mangalam University, Gurgaon, Haryana, India	Natural Hazards and Tectonic Map of India
6	13:35 – 13:50 (11:05 – 11:20)	Prof. Dhruvsen Singh Department of Geology, Lucknow University, U.P., India	Impact of Climate change on Society
7	13:50 – 13:55 (11:20-11:25)	Prof. R.A. Singh Principal, Govt. Degree College Gururabanj, Uttarakhand, India	Brief outline about the Scientific session of the Webinar and Vote of Thanks

Day – 1: 22 November 2022

Scientific Session

8	13:55 – 14:15 (11:25-11:45)	Prof. V. Shekov Institute of Geology, Karelian Research Centre, RAS, Petrozavodsk, Russia	Basics of safety in the operation of Mining and Industrial heritage in Karelia
9	14:15 – 14:35 (11:45 -12:05)	Dr. A.A. Lebedev and I.A. Zueva Institute of Geology, Karelian Research Centre, RAS, Petrozavodsk, Russia	Quarry blasts - the main source of seismicity of Southeastern Fennoscandia
10	14:35 – 14:55 (12:05 – 12:25)	Dr. Lokesh K. Sinha Ex-Director, Defence Terrain Research Laboratory, DRDO, Delhi, India	Avalanches: Mitigation and Control
11	14:55 – 15:10 (12:25 – 12:40)	Prof. Y.P. Sundriyal Department of Geology, HNB Garhwal University, Srinagar, Garhwal, India	Climatic induced Disasters with special reference to Uttarakhand Himalaya
12	15:10 – 15:25 (12:40 -12:55)	Prof. R. Baskar School of Sciences, IGNOU, Maidan Garhi, New Delhi, India	Microbes and Climate Change
13	15:25 – 15:40 (12:55 – 13:10)	Dr. Asha Lata Singh Department of Botany, Banaras Hindu University, Varanasi, India	Decolorization and Degradation of Reactive Yellow-145 azo dye with bacteria: Implication on environment and health hazard
14	15:40 – 15:55 (13:10 – 13:25)	Prof. S.C. Bhatt and Prof. V.K. Singh, Department of Geology Bundelkhand University, Jhansi, India	Land/Soil Degradation in Bundelkhand region using GIS and RUSLE method
15	15:55– 16:05 (13:25 – 13:35)	Dr. Sarada Prasad Pradhan Department of Earth Sciences, IIT Roorkee, Roorkee, India	Investigation of a landslide in Uttarakhand Himalaya
16	16:05– 16:15 (13:35 – 13:45)	Piyush Kumar Singh and Sarada P. Pradhan Department of Earth Sciences, IIT Roorkee, Roorkee, India	Influence of Geological Structures in Rock Slope Stability in a Road Cut Section along NH-09, Kumaun Himalaya, India
17	16:15– 16:25 (13:45 – 13:55)	Dr. A.K. Biyani O.R. Trust for Geosciences, 180/3, Rajpur Road, Dehradun, India	Failure of Natural Disaster Prevention Mechanism in context of Uttarakhand
18	16:25– 16:35 (13:55 – 14:05)	Tapiwa Frank Kwachara Ngoroyemoto Deptt. of Mining and Mineral Processing Engg., Manicaland State Univ. Applied Sci., Zimbabwe Dr. Rahul Verma Botswana International University of Science and Technology, Botswana, South Africa	Challenges and Opportunities in Monitoring Geohazards
19	16:35– 16:40 (14:05 – 14:10)	Dr. Rahul Verma, N.B. Mamba & M. Bonni Botswana International University of Science and Technology, Botswana, South Africa	Prospects of Mine Development and Coal Production in Botswana
20	16:40– 16:45 (14:10 – 14:15)	Dr. Rahul Verma and others Botswana International University of Science and Technology, Botswana, South Africa	Slope stability analysis of High Susceptible Regions in Zimbabwe

Day – 2: 23 November 2022

Scientific Session

21	12:30 – 12:45 (10:00 –10:15)	Prof. Ashok Kumar Singh Department of Physics, Dean, Faculty of Engg. & Tech., University of Lucknow, Lucknow, India	Space Weather and Climate Change
22	12:45 – 13:00 (10:15 –10:30)	Dr. Shantanu Sarkar, Chief Scientist, CSIR-Central Building Research Institute, Roorkee, India	Slope Stability Assessment along Hill Roads
23	13:00 – 13:15 (10:30 –10:45)	Dr. A.V. Mokrushin and O.D. Mokrushina Geological Institute of the Kola Scientific Center, RAS, Apatity, Russia	The hazardous exogenous geological processes in the Murmansk region (NW Russia)
24	13:15 – 13:30 (10:45 –11:00)	Prof. D.V. Zhironov and A.M. Zhironova Geological Institute of the Kola Scientific Center, RAS, Apatity, Murmansk, Russia	Stress-Strain State – Seismicity in the 3D-model

25	13:30 – 13:45 (11:00 -11:15)	Prof. Sandeep Singh Department of Earth Sciences, IIT Roorkee, Roorkee, India	Natural Hazards
26	13:45 – 14:00 (11:15 –11:30)	Prof. Vaibhava Srivastava Department of Geology, Banaras Hindu University, Varanasi, India	Mass movements
27	14:00 – 14:15 (11:30 –11:45)	Prof. Nageshwar Dubey Department of Geology, Addis Ababa Science and Technology University, Ethiopia, NE Africa	Vertical discontinuities of thick successions in triggering the landslides of Blue Nile valley of Ethiopia
28	14:15 – 14:25 (11:45 –11:55)	Dr. Harshita Joshi Department of Geology, LSMGPG College Pithoragarh, Uttarakhand, India	Landslide studies in National Highway-125, Pithoragarh District, Uttarakhand, India
29	14:25 – 14:35 (11:55 –12:05)	Dr. Droupti Yadav School of Science C.S.J.M. University, Kanpur, India	Role of Society for Environmental Hazards and Disaster Management
30	14:35 – 14:45 (12:05 –12:15)	Dr. Girish Chandra Kothiyari University of Petroleum and Energy Studies, Dehradun, India	Assessment of active deformation in the surrounding regions of the 7th to 12th AD monuments in the Western Himalaya: A seismotectonic approach using PSInSAR
31	14:45 – 14:53 (12:15 –12:23)	Dr. Mohit Kumar Puniya Scientist-C, National Geotechnical Facility, Survey of India, Dehradun, India	Geological investigation and mitigation of Josiyara Barrage seepage problem, Maneri Bhali Stage -2 (480MW), Uttarkashi- Uttarakhand
32	14:53 – 15:01 (12:23 –12:31)	Anil Kumar Chaurasiya Remote Sensing Application Centre Lucknow, Department of Science and Technology, Government of Uttar Pradesh	Delineation of artificial recharge Structure and management for water scarcity problems in the plateau region of Uttar Pradesh using remote sensing, GIS, and Geophysical technique
33	15:01 – 15:09 (12:55 –13:05)	Ravi Shankar Dubey Research Scholar, Department of Earth Sciences, IIT Roorkee	Evaluation of Aquifer Protective Capacity and Soil Corrosivity using Electrical Resistivity Method in Hard rock regions of Mauranipur, Uttar Pradesh, India
34	15:09 – 15:18 (12:55 –13:05)	Deepak Pant LSM Government P.G.College Pithoragarh, 262502, Uttarakhand	Deformation and tectonics of the Photoksar region, Zanskar Tethys Himalaya, India
35	15:18 – 15:30 (12:55 –13:05)	Dr. Rahul Verma and others Botswana International University of Science and Technology, Botswana, South Africa	i) Numerical modelling of rock mass behavior ii) Determination of Factor of safety in Opencast Mines iii) Evolution of Shear Strength Value from discontinuity analysis
Day – 2: 23 November 2022 Valedictory Session			
36	15:30 (13:00)	Prof. H.B. Srivastava Vice Chancellor, Siddharth University, Kapilvastu, Siddarth Nagar, India	
37	15:40 (13:10)	Concluding remarks, Vote of Thanks and End of Webinar Prof. Vinod K. Singh , Coordinator, International Students Cell, Bundelkhand University, Jhansi, India	

Conveners:

Prof. Vinod K. Singh

Coordinator, International Students Cell,
Bundelkhand University, Jhansi, India,
Mobile: +91-8787250071; +91-9415258237 (WhatsApp)
vinodsingh@bujhansi.ac.in

Prof. Ram Autar Singh

Principal, Govt. Degree College Gururabanj,
Almora, Uttarakhand (INDIA)
Mobile: +91-7408807750; +91-9412985991
singhdr.ramautar@gmail.com