

**2ndINTERNATIONAL WEBINAR
ON
NATURAL HAZARDS AND MANAGEMENT**

22-23 November, 2021



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**

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Prof. C.S. Dubey, Professor Emeritus, Faculty of Science, Sri Sri University, Cuttack, Odisha
Dr. A.K. Singh, NRDMS Division, DST, New Delhi, India

Conveners:

Prof. Vinod K. Singh, Coordinator, International Students Cell, Bundelkhand University, Jhansi, India
Dr. Ram Autar Singh, Principal, Govt. Degree College Gururabanj, Almora, Uttarakhand, India

Organising Secretary:

Piyush K. Singh, Department of Earth Sciences, IIT Roorkee, Roorkee, India

Scenario - Natural calamities including earthquakes, landslides, avalanches, floods, cyclones, droughts and volcanic eruptions have been affecting mankind since beginning of civilization. The landslides, the prominent natural disaster, account for considerable loss of life and cause damage to human settlements, civil structures, hydro projects, communication routes and agricultural & forest land in hilly terrains. In the geodynamically sensitive Himalaya, the landslides and mass movements are particularly common as the major thrust/fault zones are still active and prone to various natural hazards.

Pandemic and epidemic are also occurring time to time e.g., Flu Pandemic (1918), Asian Flu (1956-1958), the Bubonic Plague (1346-1353). Currently, the Covid-19 pandemic has overtaken the world affecting almost all the countries.

There is a need to fight against such disasters, find the solutions and make society aware of the consequences. This international webinar will bring together various teachers, geoscientists, technologists, engineers, environmentalists, geographers etc. in order to discuss various strategies for environmentally safe developmental activities and finally awareness to common mass about environmental degradation and sustainable development. The end product of the webinar may help policy makers, researchers and common people for mitigating natural disasters in the world. The outcome of the webinar will publish in book for geological, morphological and anthropogenic aspects of hazards, the latest and new techniques in the subject and disseminate the knowledge on hazard mitigation, management and monitoring to combat the threat.

Sub themes –

1. Mechanism, causes and triggers of natural disasters.
2. Mass wasting processes, deformation and tectonics.
3. Site investigation approach and remedial measures.

4. Remote sensing and GIS for natural disasters study.
5. Early warning and control systems for monitoring natural disasters.
6. Geotechnical issues and corrective measures.
7. Stabilization methodology and risk diminution measures.
8. Modeling, monitoring techniques and natural hazard management.
9. Natural disasters, environmental and social impact of natural disasters.
10. Natural disasters and social awareness.
11. Case studies of different natural disasters.
12. International relationship during pandemic.
13. Management of stress during natural disasters
14. History of major natural disasters

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 latest by 15th January, 2022. We aim the publication of full papers for the proceedings of the Webinar after peer review.

Email for submission of Manuscript – vinodksingh@bujhansi.ac.in and singhdr.ramautar@gmail.com

Presentation of papers - Presentations should be done online. Every participant will be given 10 minutes time for presentation and 5 minutes for discussion. List of the Key note speakers and Paper presenters will be circulated later.

List of some important speakers in International Webinar:

- 1) V. Shekov, A. Ivanov; Karelia, Russian Federation, on "Problems of fracture modelling in narrow underground workings when assessing their safety: case of Rogoselga iron mine"
- 2) A.A. Lebedev, I.A. Zueva, N.V. Sharov; IG KRC RAS, Petrozavodsk, Russia, on "Seismic effect of quarry blasting in Southeastern Fennoscandia"
- 3) Zhirov, D.V., Zhirova, A.M.; Geological Institute of the Kola Scientific Center, RAS, Apatity, Murmansk, Russia, on "The analysis of the Tectonics – Stress-Strain State – Seismicity in the 3D-model: case studies of Rock Bursts within of Khibiny Mines (Russia)"
- 4) Mokrushina O.D., Mokrushin A.V.; Geological Institute of the Kola Scientific Center, RAS, Apatity, Murmansk, Russia, on "The studies of hazardous exogenous geological processes, including hydrological monitoring in the Murmansk region (Russia)"
- 5) Prof. H.B. Srivastava, Vice Chancellor, Siddharth University, Kapilvastu, Siddharth Nagar, India
- 6) Prof. T.N. Singh, Director, IIT Patna, Bihar, India.
- 7) Prof. Dhruvsen Singh, Dept. of Geology, Lucknow University, Lucknow, U.P., India
- 8) Dr. Lokesh K. Sinha, Ex-Director, Defence Terrain Research Laboratory, DRDO, Delhi, India
- 9) Prof. Sandeep Singh, IIT Roorkee, Uttarakhand, India
- 10) Prof. R. Baskar, School of Sciences, IGNOU, Maidan Garhi, New Delhi, India
- 11) Prof. C.S. Dubey, Professor Emeritus, Faculty of Science Sri Sri University, Cuttack, Odisha
- 12) Dr. Sarada Prasad Pradhan, Department of Earth Sciences, IIT Roorkee, Roorkee, India.
- 13) Prof. Benidhar Deshmukh, School of Sciences, IGNOU, Maidan Garhi, New Delhi, India.
- 14) Dr. Shantanu Sarkar, Chief Scientist, CSIR- Central Building Research Institute, Roorkee, India.
- 15) Prof. Vaibhava Srivastava, Department of Geology, Banaras Hindu University, Varanasi, U.P., India.
- 16) Prof. Nageshwar Dubey, Department of Geology, Addis Ababa Science and Technology University, Ethiopia, NE Africa.
- 17) Dr. Vikram Gupta, Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand, India
- 18) Dr. Asha Lata Singh, Department of Botany, Banaras Hindu University, Varanasi, U.P., India
- 19) Dr. Rahul Verma, Geological Engineering Department, Botswana University, South Africa
- 20) Dr. Girish Chandra Kothiyari, Institute of Seismological Research, Raushan, Gandhinagar, Gujarat 382007
- 21) Dr. A. K. Biyani, O.R. Trust for Geosciences, 180/3, Rajpur Road, Dehradun, Uttarakhand, India
- 22) Mr. Rahul Negi, L.S.M. Govt. P.G. College, Pithoragarh, Uttarakhand, India

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