

# INTERNATIONAL WEBINAR ON NATURAL HAZARDS AND MANAGEMENT 19-20 November, 2020

Organized by



**Department of Geology  
Bundelkhand University,  
Jhansi, U.P., India**



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



**Government Degree College  
Gururabanj,  
Almora, Uttarakhand, India**

## Patrons, Keynote Speakers and Organisers



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



**Prof. J.V. Vaishampayan,**  
Vice Chancellor,  
Bundelkhand University,  
Jhansi, India



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



**Prof. Kumkum Rautela**  
Director, Higher  
Education, Uttarakhand,  
India



**Prof. T.N. Singh**  
Vice-Chancellor  
MGKV University,  
Varanasi, India



**Prof. H.B. Srivastava**  
Department of  
Geology, B.H.U.,  
Varanasi, India



**Dr. Lokesh K. Sinha**  
DRDO, Delhi, India



**Prof. Dhruv Sen Singh**  
India



**Dr. A.K. Singh**  
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India



**Prof. V.A. Shekov**  
Russia



**Prof. Svetlana  
Nikolaeva,** Russia



**Prof. D.V. Jhroev**  
Russia



**Prof. M.B. Zobkov**  
Russia



**Prof. B.S. Kotlia**  
India



**Dr. Rahul Verma,** South  
Africa



**Dr. Shantanu Sarkar,**  
India



**Dr. Ashlata Singh**  
India



**Prof. A.A. Lebedev**  
Russia



**Prof. O.D. Mokrushina**  
Russia



**Prof. N. Sherov**  
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**Dr. A. K. Chaturvedi**  
India



**Dr. A. K. Biyani**  
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Ethiopia



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**Prof. Suresh C. Bhatt**  
India



**Dr. Benidhar  
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India



**Dr. R. A. Singh**  
Convener (Webinar),  
India



**Prof. Vinod K. Singh**  
Organising Secretary  
(Webinar), India



**Dr. Abhimanyu Singh**  
Co-organising Secretary  
(Webinar), India



**Piyush K. Singh**  
Co-organising Secretary  
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## **IMPORTANT LINKS**

**REGISTRATION FORM LINK:** <https://forms.gle/NPKLz1QVDW263dxc7>

**WHATSAAP LINK:** <https://chat.whatsapp.com/EeHN6VyyJ0w7FHkXmH8XYr>

**TELEGRAM LINK:** <https://t.me/Intwebnd20>

**YOUTUBE CHANNEL:**

[https://www.youtube.com/channel/UCrHFbWERfYDk2W\\_5SXSXHcg](https://www.youtube.com/channel/UCrHFbWERfYDk2W_5SXSXHcg)

**GOOGLE MEET LINK:** <https://meet.google.com/udr-xntb-tsn>

**CALL FOR MANUSCRIPTS:** Interested contributors are requested to submit their full length papers of about 10 pages (including figures & tables) through e-mail latest by 15<sup>th</sup> December, 2020. We aim the publication of full papers for the proceedings of the Webinar by Elsevier/Springer Publication Division after peer review by the subject experts.

**EMAIL FOR SUBMISSION OF MANUSCRIPT –** [intwebnd20@gmail.com](mailto:intwebnd20@gmail.com)

## **TIME SCHEDULE**

<b>Day – 1: 19 November 2020</b>			
<b>Inaugural Session</b>			
<b>S. No.</b>	<b>Indian Standard Time</b>	<b>Name and address</b>	<b>Topic</b>
1	12:00 – 12:20	<b>Prof. J.V. Vaishampayan,</b> Vice Chancellor, Bundelkhand University, Jhansi, India	Inaugural address to participants
2	12:20 – 12:30	<b>Dr. Sergei Svetov,</b> Director, Institute of Geology, Karelian Research Centre, RAS, Petrozavodsk, Russia	Highlights on MOU between Bundelkhand University, Jhansi, India and Institute of Geology, KRC, RAS, Petrozavodsk Russia
3	12:30 – 12:50	<b>Prof. T.N. Singh,</b> Vice Chancellor, Mahatma Gandhi Kashi Vidyapith, Varanasi, U.P., India	Instrumentation and Monitoring of Vulnerable Slopes
4	12:50 – 13:00	<b>Prof. Dhruv Sen Singh,</b> Department of Geology, Lucknow University, U.P., India	Natural Calamity and Management
5	13:00 – 13:05	<b>Dr. R.A. Singh</b> Principal, Government Degree College Gururabanj, Almora, Uttarakhand, India	Vote of thanks & Brief outline about the Scientific session of the Webinar

<b>Day – 1: 19 November 2020</b>			
<b>Scientific Session</b>			
6	13:05 – 13:20	<b>Prof. V.A. Shekov,</b> Institute of Geology, Karelian Research Centre, RAS, Russia	Natural risks and monitoring systems on the example of the mining-industrial heritage objects of Karelia, Russia
7	13:20 – 13:35	<b>Prof. N.V. Sharov &amp; A.A. Lebedev</b> Institute of Geology, Karelian Research Centre, RAS, Russia	Seismic Activity in Southeast Fennoscandia: Monitoring and Hazards
8	13:35 – 13:45	<b>Dr. A.K. Singh,</b> Scientist 'E', NRDMS Division, DST, New Delhi, India	Disaster Risk Reduction
9	13:45 – 13:55	<b>Dr. Subhash C. Singh</b> Retd. Regional Director, Central Ground water Board, Bhopal	Advanced geophysical techniques for groundwater contamination studies
10	13:55 – 14:05	<b>Dr. Asha Lata Singh,</b> Department of Botany, Banaras Hindu University, Varanasi, India	Arsenic poisoning in ground water: A natural threat to human health
11	14:05 – 14:15	<b>Prof. M.B. Zobkov,</b> Northern Water Problems Institute Karelian Research Centre, Russian Academy of Sciences, Russia	Contamination of Lake Onego sediments with microplastics: first evidence and comparison with the Baltic Sea
12	14:15 – 14:25	<b>Dr. Shantanu Sarkar</b> Chief Scientist, CSIR- Central Building Research Institute, Roorkee, India	Landslide Hazard Assessment: Recent Trends and Practices in Indian Himalaya
13	14:25 – 14:35	<b>Dr. Shyam Babu Patel,</b> Joint Registrar, Banaras Hindu University, Varanasi, India	The Diminishing Natural Treasure: Threat to the living beings.
14	14:35 – 14:45	<b>Dr. A. K. Biyani,</b> O.R. Trust for Geosciences, 180/3, Rajpur Road, Dehradun, Uttarakhand, India	Himalayan Fragility: Myth vs Reality – We should Understand the Rocks
15	14:45 – 14:55	<b>Dr. Rahul Verma,</b> Geological Engineering Department, Botswana University, South Africa	Kinematic analysis of critical road section along the Lengpui Airport road, Mizoram
16	14:55 – 15:05	<b>Dr. Omkar Verma,</b> IGNOU, New Delhi	Landslide Investigation along the Rajouri – Kotranka road, Jammu Province, Jammu and Kashmir
<b>END OF SESSION</b>			
<b>Day – 2 : 20 November 2020</b>			
<b>Scientific Session</b>			
17	12:00 – 12:15	<b>Prof. Ashok K. Singh</b> Department of Physics, University of Lucknow, Lucknow-226007, India	Are we heading towards another grand solar minimum- threat to climate?
18	12:15 – 12:25	<b>Prof. S.C. Bhatt</b> Department of Geology, Bundelkhand University, Jhansi, India	Natural Hazards and Management: with special reference to Bundelkhand region, U.P., India
19	12:25 – 12:35	<b>Dr. B.S. Kotlia,</b> Department of Geology, Kumaun University, Nainital, Uttarakhand, India	Calamitous Demise of Indus Civilization due to Extreme Climate Change
20	12:35 – 12:45	<b>Prof. Vaibhava Srivastava</b> Department of Geology, Banaras Hindu University, Varanasi, U.P., India	Active Tectonics and Dams: Indian Perspectives

21	12:45 – 12:55	<b>Prof. Benidhar Deshmukh</b> School of Sciences, IGNOU, Maidan Garhi, New Delhi, India	Issues in use of remote sensing in coastal disaster studies
22	13:00 – 13:15	<b>Prof. O.D. Mokrushina,</b> Geological Institute Kola Research Centre, RAS, Russia	Monitoring of hazardous exogenous geological processes in the Murmansk region (Northern Russia)
23	13:15 – 13:30	<b>Prof. D.V. Zhirov,</b> Geological Institute Kola Research Centre, RAS, Russia	Microseismicity and seismo-dynamics during underground mining in the Khibiny (Northern Russia)
24	13:30 – 13:40	<b>Prof. S. B. Nikolaeva,</b> Geological Institute Kola Research Centre, RAS, Russia	New challenges in assessing the seismic safety of the North-East Fennoscandian Shield: Environmental Aspects
25	13:40 – 13:50	<b>Dr. Sarada Prasad Pradhan,</b> Department of Earth Sciences, IIT Roorkee, Roorkee, India	Landslide
26	13:50 – 14:00	<b>Dr Kanchan Singh/Dr MP Singh</b> Geography, Govt. Degree College Thatyur, Tehri Garhwal, Uttarakhand	A historical account of Landslide activities in Naini Lake Basin, Kumaun Lesser Himalays, Uttarakhand, India
27	14:00 – 14:10	<b>Dr. Vikram Gupta,</b> Wadia Institute of Himalayan Geology, Dehradun, Uttarakhand, India	
28	14:10 – 14:20	<b>Prof. Nageshwar Dubey,</b> Department of Geology, Addis Ababa Science and Technology University, Ethiopia, NE Africa	
29	14:20 – 14:25	<b>Dr. Akhilesh Kumar Singh</b> Department of Physics, Pt.D.D. U. Govt. Girls P.G. College Rajajipuram, Lucknow, UP, India	Nanotechnology and it's applications in reducing natural disasters
30	14:25 – 15:00	<b>Student Session</b> Presentation will be given by Graduate, Post Graduate and Research Scholars	
<b>Valedictory Session</b>			
31	15:00	Dr. Lokesh K. Sinha, Director, Defence Terrain Research Laboratory, DRDO, Delhi, India	
32	15:10	Dr. A.K. Chaturvedi, LSM Govt. P.G. College, Pithoragarh, Uttarakhand, India	
33	15:20	Prof. H.B. Shrivastava, Banaras Hindu University, Varanasi, India	
34	15:30	Dr. Kum Kum Rautela, Director, Higher Education, Uttarakhand, India	
35	15:40	Vote of Thanks <b>Prof. Vinod K. Singh, Bundelkhand University, Jhansi, India</b>	

**Convener:**

Dr. R. A. Singh  
Principal, Govt. Degree College Gururabanj,  
Almora, Uttarakhand (INDIA)  
Mobile: +91-7408807750; +91-9412985991  
Email: intwebnd20@gmail.com

**Organizing Secretary:**

Professor Vinod K. Singh  
Department of Geology, Bundelkhand  
University Jhansi, U.P. (INDIA)  
Mobile: +91-8787250071; +91-9415258237  
Email: vinodksingh@bujhansi.ac.in