

**Office of PRO-Media Coordinator  
Jamia Millia Islamia**

March 3, 2021

Press Release

**JMI organises Online International Conference on “Challenges of Disasters: Vulnerability, Adaptation and Resilience”**

The Centre for Disaster Management, Department of Geography, Jamia Millia Islamia(JMI) organised an International Conference (online) on “Challenges of Disasters: Vulnerability, Adaptation and Resilience” in collaboration with National Institute of Disaster Management, New Delhi and Regional Remote Sensing Centre (North), New Delhi during 02-03 March, 2021.

Prof. M. Ishtiyaque, Officiating Vice Chancellor, JMI inaugurated the conference on 2nd March. In his inaugural address he focused on the havoc created by disasters impacting social, economic and ecological spheres and stressed on the need to focus on mitigation and adaptation to disasters through disaster risk management, cooperation between government and citizens and sane policy.

Prof. Taruna Bansal conducted the inaugural session and the welcome address was delivered by Prof. M.A. Siddiqui, Coordinator, Centre for Disaster Management who gave a peek into the Centre of Disaster Management, its functioning and achievements, placements and internships of students.

Prof. Haroon Sajjad, Organizing Secretary introduced the theme of the conference. A total of 167 abstracts were received from countries like the USA, the UK, Iran, Bangladesh, Sri Lanka etc. and from all across India.

The Guest of Honor, Major General M.K. Bindal, Executive Director, NIDM delivered an enlightening address on the vulnerability posed by disasters and referred to the SENDAI Framework and the 10 Point Agenda by Prime Minister Shri. Narendra Modi Ji for paying heed to disaster management at the local level.

Prof. Abha Lakshmi Singh, AMU, the other Guest of Honor chose to speak on the disasters associated with the mountains which she termed “Call of the Mountains”. She focused on the disasters in Uttarakhand, the 2013 Himalayan Tsunami and the recent catastrophe in February, 2021 and said that disasters are chain reaction events.

Prof. David Alexander, University College London, U.K. was the Chief Guest and delivered the keynote address on “Disaster Risk Reduction and the Impact of COVID-19” wherein he discussed the challenges and threats posed by COVID-19 and called it the “mother of all cascading events/disasters”. Various COVID-19 associated sub-topics were discussed right from the transmission of the disease till the vaccination strategies. It reflected as to how COVID-19

did not just break the regular system of working but also revealed an already broken system and thereby, highlighted the aggravating gaps between the rich and the poor.

Prof. Mary Tahir, Convener delivered the Vote of Thanks and acknowledged the time and efforts invested by all for the success of the conference. The organizers thanked (in absentia) the Vice-Chancellor, JMI, Prof. Najma Akhter for giving them the opportunity to conduct this international conference. They duly acknowledged her help and guidance in making this conference a successful one.

Special lectures were organised as one of the technical sessions in the International Conference. Proceedings of the session was conducted by Prof. Haroon Sajjad, Organizing Secretary of the conference.

The session was chaired by Dr. S.D. Attri, Additional Director General, IMD. Prof. Surya Parkash, NIDM, delivered a lecture on “Community based disaster risk reduction and resilience”. He focused on how the community can play an active role in managing disasters. He emphasized the role of local governance, use of techniques and creation of community level awareness.

The second lecture was delivered by Dr. Md. Nazrul Islam, Jahangir University, Dhaka, Bangladesh on “Modeling on Toxic Algae Bloom Mechanisms in Aquatic Ecosystem and Silent Disasters of Water Crisis in Asian Countries”. He stressed on the need to be aware regarding a “silent disaster”- algae bloom as it is emerging as one of the lethal events. He also presented case studies which provided a practical outlook of the issue.

Dr. Alexander Follmann, University of Cologne, Germany delivered a lecture on “Challenges and risks of urban river fronts – the case of Yamuna in Delhi” wherein he stressed on the vulnerability that the Yamuna floodplains faced specifically due to anthropogenic activities. He showed the stark difference in the level of pollution between the entrance and exit of the Yamuna in the national capital. This problem occurs mainly as the Nazafgarh drain along with 20 more drains pollute the river, coupled with high density areas and development projects along the river. Moreover, most of east Delhi lies on the Yamuna floodplains. He concludes by urging people and authorities not to carry out any further construction in the floodplains.

Prof. Haroon Sajjad, Organizing Secretary concluded the session by giving his warmest thanks and gratitude to the chair and speakers.

Six lectures were delivered in the Special Lecture Session-II. The session was chaired by Dr. Bhoop Singh, Scientist-G, DST (Retd.) and coordinated by Prof. Masood Ahsan Siddiqui. Dr. Bayes Ahmed, Institute for Disaster Risk Reduction, University College London, UK delivered a talk on “Human-induced Climate Change: a Threat to Achieving the UN Sustainable Development Goals”. He discussed the SDGs in the light of disasters and vulnerability and gave the example of Bangladesh as it is reeling under the pressures of numerous disasters. He urges the need to have a holistic approach to combat disasters. The second lecture was delivered by Dr. Hashem Dadasphoor, TMU, Iran on “Land Use and Mitigation of Vulnerabilities Caused by Natural Disasters”. He defined various concepts of land use and vulnerability and identified the

vulnerability implications. Prof. Chandan Ghosh, NIDM, India, spoke on “Safe and Sustainable Living in the Hill Areas – Aftermath of Chamoli Events of the 7<sup>th</sup> Feb. 2021” highlighting the plight of the mountains with reference to the recent catastrophe which hit the Himalayan district in February. He cites examples from Germany, Nepal and other countries to portray disaster mitigation and preparedness in different parts of the world. He emphasized the need to invest in research and development. Dr. Apurba K Bera put forth a lecture on Disasters of Indian Desert-Satellite Based Warning of Locust Infestation and Dust Storm” wherein he underlined the ruckus created by locusts in the Thar Desert and how satellite-based warning system can aid in minimizing this issue. He also focused on how dust storms can be detected and monitored using satellite based warning systems. Prof. Shahab Fazal, AMU delivered a lecture on “Sustainability of Resources in an Era of Climate Change” wherein he emphasized on -resources, sustainability and climate change and suggested that these concepts are interrelated. He concludes by stating that the impacts of land resource has a chain reaction and affects food security, livelihood and ecological balance in an adverse manner.

**Ahmad Azeem**

PRO-Media Coordinator



Celebrating 100 Glorious Years of Enlightenment, Empowerment and Nation Building

**Centre for Disaster Management**  
**Department of Geography**  
 Faculty of Natural Sciences  
 Jamia Millia Islamia, New Delhi  
 NAAC Accredited Grade "A"

**100**  
 Years  
 of  
 Independence

Cordially welcomes you to the

# INAUGURAL SESSION

of the two days International Conference (online)

**Patron**  
**Prof. Najma Akhtar**  
 Vice-Chancellor

**Challenges of Disasters:**  
**Vulnerability, Adaptation and Resilience**

in collaboration with

**Prof. M. Ishtiyaque**  
 Offg. Vice-Chancellor  
 will inaugurate the conference.

NIDM New Delhi & RRSC (North) New Delhi

**11:30 a.m. | March 02, 2021**

**Keynote Speaker & Chief Guest**

**Guest of Honour**      **Chief Guest**      **Guest of Honour**

**Maj. Gen. M. K. Bindal**  
 Executive Director, NIDM  
 Ministry of Home Affairs, Govt. of India

**Prof. David Alexander**  
 Institute for Risk and Disaster Reduction,  
 University College London (UCL), U.K.

**Prof. Abha Lakshmi Singh**  
 UGC-BRS Fellow  
 Former Professor, AMU, Aligarh, India

**Prof. Mary Tahir (Head) Convener**  
**Prof. Atiqur Rahman Co-Convener**

**Prof. Haroon Sajjad Organizing Secretary**  
**Dr. Lubna Siddiqui Co-organizing Secretary**  
**Prof. Masood Ahsan Siddiqui Coordinator (CDM)**

Dr. Taruna Bansal ...

Professor David E...

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Haroon Sajjad

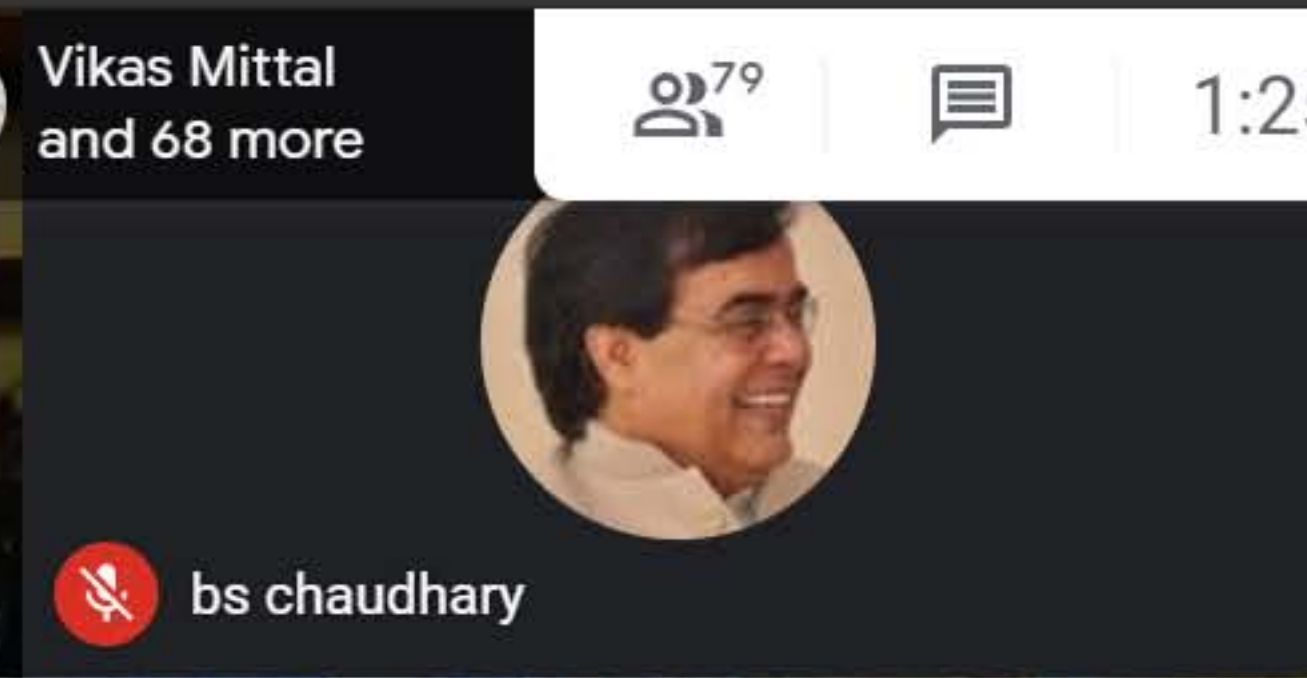
Dr. Lubna Siddiqu...

Parvez Hayat IPS

Suresh C Rai

Asif Ali





Vikas Mittal and 68 more

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Meeting details ^



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Present now



INSTITUTE FOR RISK AND DISASTER REDUCTION

**IRDR**

UCI

# DISASTER RISK REDUCTION AND THE IMPACT OF COVID-19

Prof. David Alexander

Grid of participant video thumbnails:

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- Professor D...
- Dr. Taruna B...
- Parvez Haya...
- Dr. Lubna Si...
- Abha Laksh...
- NAWAL SIN...
- Suresh C Rai
- Dr. Rajnish R...
- Hibjur Raha...
- SHAH FAHAD
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- Manoj K Bin...
- Ishtiaq Ahm...
- Tahir naseem

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Alexander Follmann is presenting




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  Alexander Follmann

ICDMJMI-2021: Special Lect... ^



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 Alexander Follmann is presenting





Dr. Md. Nazrul Islam is presenting

ICDMJMI 2021 Webinar Prof. Dr. Nazrul Islam [Compatibility Mode] - PowerPoint (Product Activation Failed)

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Clipboard Slides Font Paragraph Drawing Editing

**Modeling on Toxic Algae Bloom Mechanisms in Aquatic Ecosystem and Water Crisis: Silent Disaster in Asian Countries**

Jahangirnagar University  
Prof. Dr. Md. Nazrul Islam  
Ph.D. (University of Tokyo, Japan) (MEXT Fellow)  
JST Postdoctoral Research Fellow (University of Tokyo)  
NFP (Nuffic) Fellow for M.Sc. ESA Credits Wageningen UR (Netherlands)  
Professor  
Department of Geography and Environment  
Jahangirnagar University, Savar, Dhaka-Bangladesh  
E-mail: nazrul\_geo@juniv.edu

Springer  
Executive Editor-in-Chief  
Modeling Earth Systems and Environment

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Dr. Md. Nazrul Islam

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People (39) Chat

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- meenakshi arjun
- Mirza Razi Imam Baig
- Mohammad Arif
- Mohammad Sohail
- Mohd Rihan
- navneet kaur

ICDMJMI-2021: Special Lect...

Raise hand Turn on captions Dr. Md. Nazrul Islam is presenting



A Alexander Follmann is presenting

I Imran Ali and 33 more

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# Challenges and Risks of Urban Riverfronts – the case of the Yamuna in Delhi



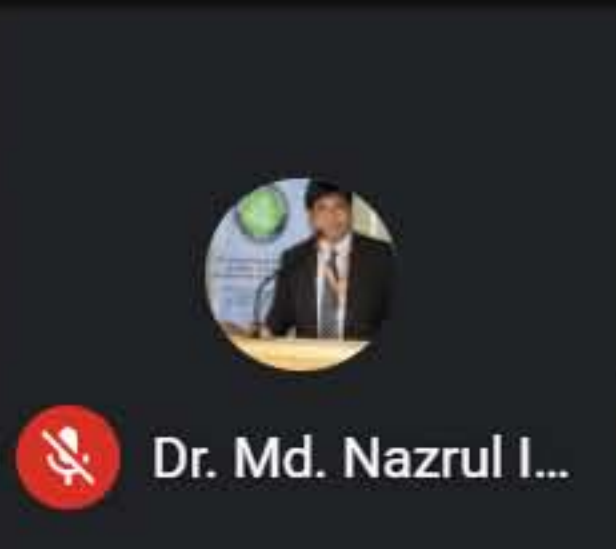
**Dr Alexander Follmann**  
Institute of Geography  
University of Cologne  
a.follmann@uni-koeln.de



Challenges and Risks of Urban Riverfronts – the case of the Yamuna in Delhi  
*Challenges of Disasters: Vulnerability, Adaptation and Resilience*  
Delhi, 2<sup>nd</sup> March 2021



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Dr. Md. Nazrul I...



Haroon Sajjad



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Yatendra Sharma



Hamidullah Mir



Md Hibjur Raha...



MD MASROOR

ICDMJMI-2021: Special Lect...



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Alexander Follmann is presenting





Bayes Ahmed is presenting



Prof. Haroon Sajjad (D/o Geogra... and 12 more



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INSTITUTE FOR RISK AND DISASTER REDUCTION

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# Human-Induced Climate Change: A Threat to Achieving the UN Sustainable Development Goals

## International Conference on "Challenges of Disasters: Vulnerability, Adaptation and Resilience"

Faculty of Natural Sciences  
Jamia Millia Islamia, New Delhi, India

Presented by:  
**Dr Bayes Ahmed**  
Lecturer  
Institute for Risk and Disaster Reduction  
University College London (UCL), UK



3<sup>rd</sup> March 2021



Chandan Ghosh



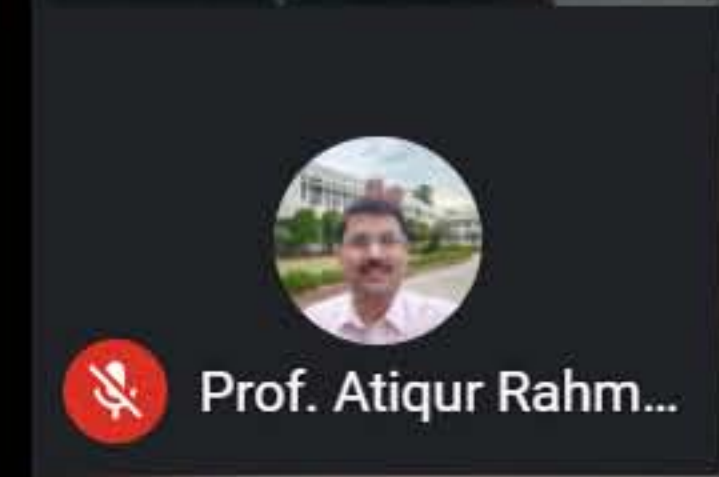
Prof. Masood Ah...



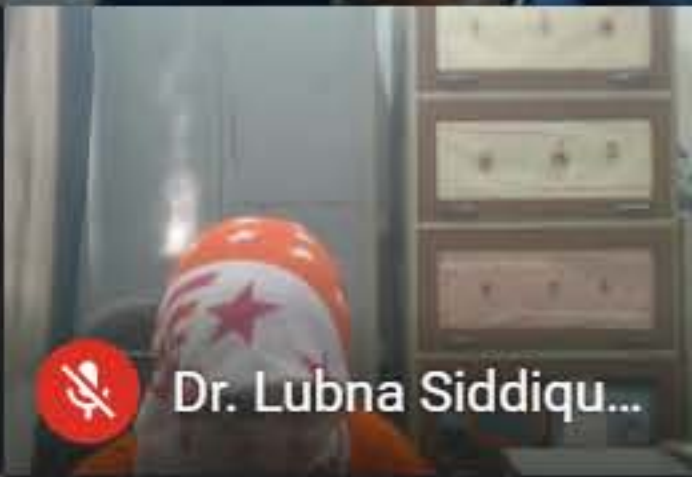
Haroon Sajjad



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Prof. Atiqur Rahm...



Dr. Lubna Siddiqu...



Bayes Ahmed



Leonid Sorokin

Meeting details ^



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Chandan Ghosh is presenting



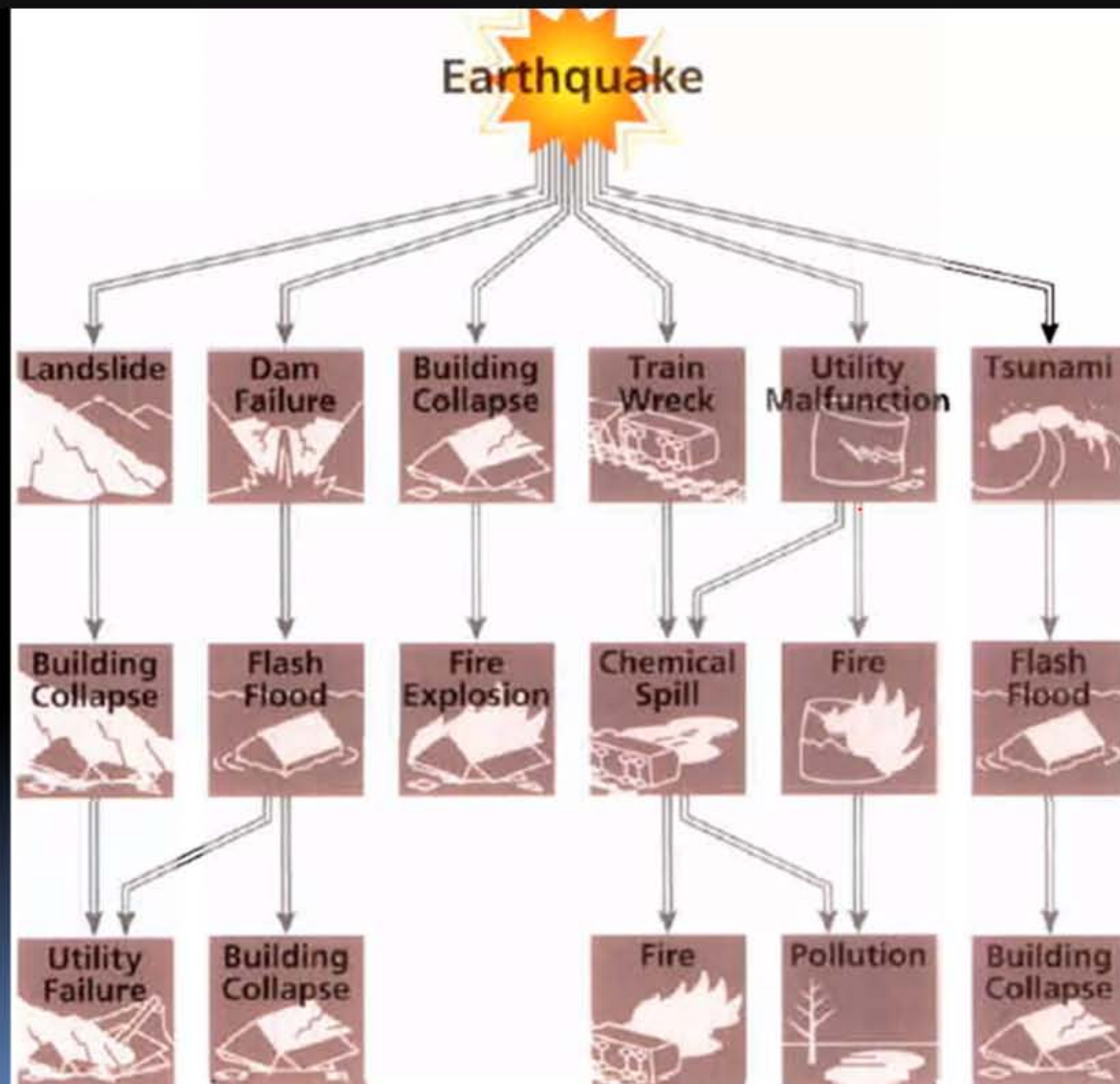
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Chandan Ghosh



Prof. Masood Ah...



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Haroon Sajjad



Dr. Lubna Siddiqui...



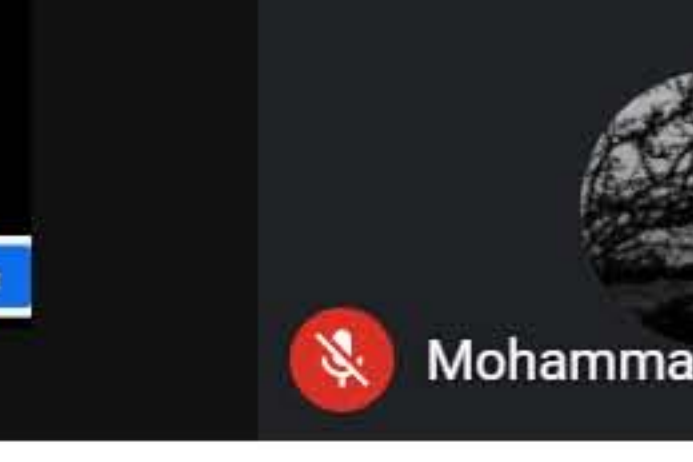
Bayes Ahmed



Vijaya Kumari



Yatendra Sharma



Mohammad Sohail

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Meeting details ^



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Chandan Ghosh is presenting







Apurba Kumar Bera is presenting



Shahab Fazal and 29 more



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# Disasters of Indian Desert - Satellite based Warning of Locust Infestation and Dust Storm

Dr. A. K. Bera  
RRSC (West), NRSC/ISRO, Jodhpur  
Email : abera70@gmail.com



Prof. Masood Ahs...



Apurba Kumar Be...



Chandan Ghosh



Meheebub Sahana



SUDIP DEY



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Apurba Kumar Bera is presenting

