



## International Conference

on

### “Ecosystem Restoration for Resilience and Sustainability: Living with nature”

(World Environment Day-Launch of UN decade for Ecosystem Restoration)

June 05-07, 2021



Organized by

**Indian Institute of Technology Indore**

Khandwa Road, Simrol,  
Madhya Pradesh 453552

[www.iiti.ac.in](http://www.iiti.ac.in)

and

**National Institute of Disaster  
Management (NIDM)**

Ministry of Home Affairs,  
4th Floor, 'A' Wing, NDCC Building,  
Jai Sing Road, New Delhi - 110001

[www.nidm.gov.in](http://www.nidm.gov.in)

## BACKGROUND

Ecosystems support all life on Earth. The healthier our ecosystems are, the healthier the planet - and its people. The UN Decade on Ecosystem Restoration is a rallying call for the protection and revival of ecosystems all around the world, for the benefit of people and nature. It aims to halt the degradation of ecosystem and restore them to achieve global goals. Only with healthy ecosystems can we enhance people's livelihoods, counteract climate change, and stop the collapse of biodiversity. Climate change is one of the biggest environmental threats faced by the world which can

potentially impact food production and security, sustained water supply, biodiversity of forests and other natural ecosystems, human health and settlements. Climate variability and change could result in increased number of extreme events which can cause profound damage to the human well-being. India, with more than 1.2 billion population, has been devastatingly affected by extreme climatic events in the past. For example, a drought event in 2016 affected 330 million people, accounting an economic loss of \$100 billion (ASSOCHAM Report 2016) in India. Extreme events such as droughts, heatwaves, heavy rain, and violent storms are now part of our daily news. Risk-aware development towards the United Nations 17 Sustainable Development Goals can significantly reduce societal risks associated with climate extremes. Disaster due to extreme climatic events have been reported across the globe causing huge loss of property and lives. It is expected that these losses and casualties may multiply in future. It is crucial that we understand the occurrence, distribution and mechanism of extreme events and their role in augmenting disaster risk should be understood.

Indian Institute of Technology Indore and National Institute of Disaster Management are jointly organizing the conference on "Ecosystem Restoration for Resilience and Sustainability: Living with nature" from 05-07 June, 2021 at Indian Institute of Technology Indore, Madhya Pradesh in Online mode.

## AIM

On the occasion of World Environment Day, the conference intends to provide platform to water resources and environmental professionals, academicians and young researchers to discuss and share the ideas. The conference mainly aims to provide an academic platform for academicians, scientists, engineers, researchers, professionals, practitioners and consultants to present and discuss their latest findings about water resource environment and climate change. Relevance of the proposed conference will be highlighted through a series of lectures delivered by prominent industry and academia experts. The conference is aimed at bringing together leading academic scientists, experts and research scholars to exchange and share quality research.

## OBJECTIVES

Key objectives of the conference are

- Understand and discuss different ecological restoration approaches.
- Understand and discuss the possible impacts of extreme climatic events in context of sustainable development.
- Understanding the role of biodiversity in our urban ecosystems.
- Interpret the current modeling practices and recent advancements in understanding extreme climatic events.
- Outline the potential strategies and actions that can mitigate the adverse impacts of extreme weather events or climate-related disasters

## TARGET GROUP

The main target group for this program are: Professionals/officials from government departments, training institutes of environment, forests, water, PWD, police, health, power, irrigation, rural, agriculture, climate etc, faculty members/research scholars/scientists from Universities/colleges, etc and representatives from NGOs also. National, state and local level disaster management professional including private sector and NGOs.

## Call for Papers

International Conference on Ecosystem Restoration for Resilience and Sustainability: Living with nature- 2021 invites ONLINE full-length original research contribution of professionals from academic institutions, Govt. Undertakings, Research Scholars and Student community across the globe. The abstract shall be submitted within 250 words along with Title, Author names, Affiliation, Address for correspondence, Emails of authors with four to five keywords on any one or more of the conference themes. Authors are expected to submit Abstract in soft copy by emailing to [hydclimiiti@gmail.com](mailto:hydclimiiti@gmail.com). Best paper award will be given in each technical session.

## ABOUT IIT INDORE

Indian Institute of Technology Indore located in Madhya Pradesh, known as IIT Indore or IITI, is a institute of national importance established by the Government of India in 2009. It is one of the eight new IITs, started by the Ministry of Human Resource Development (India), Government of India. The institution started functioning from 2009-10 in a temporary campus at Institute of Engineering and Technology of Devi Ahilyabai University under mentorship of IIT Bombay. Shri Arjun Singh, the Union HRD minister, laid the foundation of the permanent campus, spread over an area of around 501.42-acre (2.1 km<sup>2</sup>), on 17th February 2009 at Simrol, a location on Khandwa Road about 25 km from the city of Indore.

## ABOUT NIDM

National Institute of Disaster Management (NIDM), Ministry of Home Affairs, and Government of India is a premier institute and a Statutory Body (under Disaster Management Act 2005) for training, research, documentation, awareness and human resources and capacity development in the field of disaster mitigation and management in India and in the region.

The institute lays emphasis on multi-stakeholder interdisciplinary cross-sectoral approach for an effective and efficient proactive continuum disaster risk management based on participatory integrated multi-hazard-risk management concept.

## Important Dates

Last date of Abstract Submission: May 28, 2021

Acceptance Notification: May 28, 2021

Last date of Registration: May 30, 2021

Conference Dates: June 05-07, 2021

## REGISTRATION

- Participants who are interested to present their work during the conference may submit an abstract. After review, selected abstracts will be asked to submit full papers and will be published.
- The abstract should be related to the conference's area of focus.
- Registration Link: [Registration-Link](#)

## Payment

The online conference is open for everyone under the target group. Eligible participants have to pay registration fee of Rs. 500/- respectively per person.

Through online payment/bank transfer.

(Bank: Canara Bank; Branch: IIT Indore, Simrol campus; Account number: Registrar, IIT Indore, 1476101027440; IFS Code: CNRB0006223)

## Publication

Selected papers will be published in refereed journal and proceedings, if possible.

## CERTIFICATE

A Certificate will be awarded to each participant on the successful completion of the conference programme only after attending the full conference.

## AREA OF FOCUS

- Ecological Restoration
- Role of Biodiversity
- Water management technology
- Water quality and pollution
- Climate change and water resource
- Extreme events
- Climate change and water resources
- Hydrological modelling
- Agricultural and ecosystem resilience
- Disaster risk and management
- Sustainable policy making on disaster management

## CONFERENCE PATRONS:

**Prof. Neelesh Kumar Jain**

Director (Officiating)

Indian Institute of Technology Indore

**Major Gen. Manoj Kumar Bindal**

Executive Director, NIDM

## CONFERENCE CHAIRS

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## CONFERENCE COORDINATORS

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