

8th International Conference on Water and Flood Management



29-31 March 2021
Dhaka, Bangladesh



Organized by

Institute of Water and Flood Management (IWFM),
Bangladesh University of Engineering and Technology (BUET)

In partnership with

Bangladesh Water Development Board (BWDB)
Local Government Engineering Department (LGED)
Center for Environmental and Geographic Information Services (CEGIS)
Institute of Water Modelling (IWM)
Japan International Cooperation Agency (JICA)
International Union for the Conservation of Nature (IUCN)
WaterAid

BACKGROUND AND PURPOSE

The International Conference on Water and Flood Management has been organized by the Institute of Water and Flood Management (IWFM) of Bangladesh University of Engineering and Technology (BUET) biennially since 2007. ICWFM 2021 is the 8th event. Water management in general and flood management, in particular, is an interdisciplinary field that needs integrated knowledge from multidisciplinary fields, including hydrology, hydraulics, morphology, atmospheric science, climate, environmental pollution, ecosystem, agriculture, disaster, vulnerability, risk, gender, livelihood, and poverty. With changing physical and socioeconomic risks due to changes in climate and anthropogenic interventions, integrated approaches to analyzing these processes and their interactions, along with integrating nature-based solutions, are gaining traction. This conference aims to act as a common platform for bringing together the recent development in the above fields.

The 8th ICWFM will be held in a situation when the whole world is struggling to recover from the COVID-19 pandemic. The world has seen a new dimension of water and flood management during this condition. Although the natural system remained indifferent to this pandemic, the human system responded differently during disasters compared to its normal response. People were reluctant to move, and evacuation became difficult. In this context, the 8th ICWFM expects to generate some new insight into water and flood management.

There will be many 'new' in this event of ICWFM. The platform of this 8th event of ICWFM will be new. For the first time since its inception, the entire conference will be held in an online platform. It is expected that this new platform will bring a wider community of its kind together to express and exchange their findings and thoughts. For the first time, the conference will be completely free for the students. It is expected that this will attract many new emerging scientists to share their findings on a global platform.

Unlike the previous events, the 8th ICWFM does not have a central theme. Rather abstracts are invited from multidisciplinary fields with the expectation that at the end of the day, new insight will emerge that will shed light on the interdisciplinary nature of water and flood management. With this expectation, abstracts are invited from the following themes:

THEMES

Floods and Drainage

- Hydro-meteorological forecasting and warning
- Flood damage mitigation and resilience
- Urban flooding and storm-water management
- Waterlogging and drainage management
- Integrated approaches to flood management
- Nature-based solutions in water and flood risk management

Rivers, Coasts and Estuaries

- River dynamics and restoration
- Hydro-morphology and bank erosion
- Coastal and estuarine processes
- Coastal sedimentation risk

- Estuarine processes and impacts of storm surge and tidal flooding
- Eco-hydrological considerations
- Nature-based solutions to coastal risks

Water Infrastructure and Development

- Sustainable environment and infrastructure development
- Climate-resilient infrastructure
- Landscape modification and flow regime changes
- Shore protection, port structure and navigation
- Hazard/ disaster resilient infrastructure
- Integrating grey, green and blue: nature-based solutions

Hydrometeorological Hazards and Risk

- Reduction of vulnerability to episodic natural hazards.
- Managing disaster amid COVID-19 pandemic
- Resilience against water-related hazards
- Transformative adaptation for climate change
- Incorporating climate change into national policy and planning
- Trends in extreme climatic events

Water and Livelihood Security

- Water security risks
- Water conservation, water use efficiency and productivity
- Agricultural water management
- Sustainable fisheries and water management
- Safe water and sanitation
- Water entrepreneurship
- Gender in water management practices
- Participatory and adaptive approaches to water management
- Sustainable livelihoods and livelihood security

Ecosystems and Environment

- Ecosystem services and functions
- Contamination of freshwater resources
- Water pollution and ecosystem degradation
- Management of aquatic habitats
- Sustainable use of floodplain and coastal resources
- Water-Energy Nexus for sustainable development

Transboundary Water Governance

- International water laws, treaties, and water rights
- Transboundary conflicts and opportunities for cooperation in water and flood management
- Hydro-diplomacy and policy impact
- Institutional integration for transboundary water management

PANEL SESSIONS

“Panel Sessions” are planned on emerging and interesting topics. The panel sessions should be on the research work done by the organization and relevant to the topics mentioned in the flyer. The work can be presented by a representative of the organization or relevant researchers. The panel proposal must be submitted to the Conference Secretariat by 31st December 2020. Interested participants are requested to contact the Conference Secretariat for further information.

EVENT DATES

The conference will be held during 29-31 March 2021 in Dhaka, Bangladesh through an online platform. Detailed instructions will be announced in the ICWFM-2021 Website
https://iwfm.buet.ac.bd/site/iwfm_conf/icwfm2021

OFFICIAL LANGUAGE

The official language of the conference is English.

ABSTRACT SUBMISSION AND PUBLICATION

Abstracts (maximum 300 words) on the conference topics are being invited from the interested authors. The abstract should be submitted through the online system by 30th November 2020. The detailed procedure of the abstract submission is available on the Conference website. An individual can be the lead author of a maximum of two papers. Notification of acceptance of abstracts will be sent by 21st December 2020. Pre-conference proceedings will be e-published based on the accepted abstracts of the registered authors. Post-conference proceedings of selected invited papers (in the form of full papers) would be published as post-conference proceedings. The organizing committee is currently in touch with internationally renowned publishers regarding publishing the post-conference volume. A paper must be presented to be considered for selection for the post-conference proceedings. A panel of experts will make the selection based on the merits of abstract and presentation. It is noted here that the Post-conference proceedings from the ICWFM-2019 was published by Springer International. Please visit
<https://www.springer.com/gp/book/9783030477851>

IMPORTANT DATES

23 September 2020 Abstract submission opens
30 November 2020 Deadline for abstract submission
21 December 2020 Notification of abstract acceptance
31 December 2020 Deadline for panel session proposal submission
05 January 2021 Registration begins
31 January 2021 Deadline for conference registration

REGISTRATION FEES FOR AUTHORS AND PARTICIPANTS

Local authors and participants (student)	BDT 0
Foreign countries - authors and participants (student)	USD 0
Local authors & participants (non-student)	BDT 2000
Foreign countries - authors & participants (non-student)	USD 100

Bangladeshi citizens having full-time affiliations (as students/employees) abroad will not qualify as local participants.

METHODS OF REGISTRATION AND PAYMENT

Authors of accepted abstracts and interested participants will be able to do registration and make payment using the online platform hosted at ICWFM-2021 website. Registered authors and participants will be notified through email.

Besides, authors and participants can make payments via direct bank transfer in favour of ICWFM-IWFM, Current Account No. 4404033011231, Sonali Bank, BUET Branch, Dhaka 1000, Bangladesh (Swift Code: BSON BDDH LOD/Routing Number: 200270522), fill in the registration form available on the conference website and send all the documents to conference secretariat through email by the specified date.

Please follow detailed instructions provided at the ICWFM-2021 website to complete the registration process.

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CONFERENCE UPDATES

All forms and updated information on the conference will be posted on the conference website. Please contact the Conference Secretariat for all other correspondence and information.

CONFERENCE SECRETARIAT

ICWFM-2021

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