



International Perspectives on Water & Environment

JANUARY 8 - 10, 2025 | BHOPAL, INDIA



CALL FOR ABSTRACTS: www.ipwe-bhopal.org/

Building Sustainable and Resilient Water Infrastructure and Adapting to Climate Change

The Environmental & Water Resources Institute of the American Society of Civil Engineers (ASCE-EWRI) in partnership with the Madhya Pradesh State Water Resources Department (MPWRD) are pleased to convene the 12th IPWE Conference in Bhopal, India.

ASCE-EWRI and MPWRD invites you to submit an abstract to the IPWE 2025 Conference.

Explore a broad spectrum of water infrastructure themes pertinent to nations at various stages of development. EWRI-ASCE and a tradition of successful International Perspectives on Water and Environment (IPWE) Conferences invites global engineers and scientists to Bhopal, India focusing on sustainable and resilient water infrastructure.



IMPORTANT DATES

Abstract Submission: June 24, 2024

Technical Paper (Optional): October 14, 2024

Author Registration Deadline: October 14, 2024

Early Registration Ends: November 25, 2024



DISCOVER BHOPAL, INDIA

Discover Bhopal, the heart of India, renowned for its rich heritage, stunning architecture, and serene lakes. As one of the greenest cities in the country, Bhopal's scenic landscape and cultural backdrop create the perfect setting for this conference. Explore majestic tiger reserves and discover ancient temples, all within a short drive from Bhopal.

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IPWE 2025 SESSION THEMES/TOPICS

Climate change and sustainable infrastructure:

- Aligning water and wastewater management with circular economies and climate shift priorities
- Climate change, sustainability, resiliency, and food security
- Ecological and human exposure: risks assessment and mitigation
- Life cycle analysis based environmental sustainability assessment and the circular economy

Flood risk management and nature-based solutions:

- Flood risk mitigation in the context of climate change
- Glacial and landslide lake flood management
- Nature-based solutions for stormwater management
- Sediment transport and morphodynamics
- Urban flooding and smart city planning

Smart and sustainable practices for irrigation, energy, and water management:

- Artificial intelligence and machine learning applications in water resources and environmental engineering
- Energy harvesting for water systems
- Experimental hydraulics and hydrodynamic modeling
- Groundwater management for agricultural resilience
- Hydraulics of pumped storage hydropower
- Hydroinformatics for water resources management
- Irrigation practices and piped irrigation networks
- Proximal and remote sensing methods in agricultural water management
- Smart water systems and sensors

Water and wastewater infrastructure:

- Decentralized wastewater treatment
- Urban water – modeling, management, and conservation
- Water and wastewater treatment and reuse: Emerging biological, and bioelectrochemical processes
- Water desalination
- Water infrastructure rehabilitation and replacement

Water quality and treatment:

- Environmental chemistry: analysis, monitoring, and modeling
- Flow and transport of contaminants in the subsurface
- Micropollutants (DBPs, PPCP, PFAS, dyes) and ecotoxicity: Reducing ecological and health risk in water and soil environments
- Physicochemical treatment and resource recovery for clean environment

REASONS TO ATTEND

- Network with your colleagues and leaders in the water resources and environmental areas
- Earn Professional Development Hours (PDHs) in technical sessions and workshops
- Learn about the latest trends and innovations in the area of water resources and environmental engineering
- Showcase your organization and pursue opportunities at an international gathering

CONFERENCE CHAIRS

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Las Vegas Valley Water District

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