

4th CIRCULAR

**International Conference
On**

Sustainable Water Resources Management under Changed Climate

13th-15th March, 2020



Organised by



**School of Water Resources Engineering,
Jadavpur University**
(Under RUSA-2.0 Funded, NRDMS, DST funded)

In Joint Collaboration with



**Women's' College Calcutta
(Department of Geography)**



NIT Durgapur
MG Avenue, Durgapur
(under TEQIP III fund)

Venue: Gandhi Bhawan Auditorium, Jadavpur University

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ABOUT THE CONFERENCE

India is facing one of its major and most serious water crisis. After two consecutive years of weak monsoons, 330 million people — a quarter of the country's population — are affected by a severe drought. With nearly 50 per cent of India grappling with drought-like conditions, the situation has been particularly grim this year in western and southern states that received below average rainfall. For economic efficiency and environmental sustainability, water must be treated and supplied according to usage. It is in this backdrop that 1st International Conference will be organized. The conference will see convergence of renowned experts and research scholars from various parts of India and abroad on water resources and pollution treatment. Researchers will deliberate and discuss on various water related issues. The conference will would provide an interactive platform for enormous brainstorming and sharing path breaking ideas for sustainable water resources management.

THEME

1. Water Scarcity Challenge Ahead

- **River Basin Management**
- **Water Conservation and Management**
- **Rain water harvesting**
- **Hydrological and Hydro geological investigation and modelling**
- **Consumptive Water Use in different Sector (Agriculture and Industry) etc.**
- **Geological and Hydro-Geological Investigation**

2. Surface and Ground Water Quality and Management

- **Groundwater Technology for Hazardous Contamination**
- **Groundwater Potential and Recharging**
- **Advanced Water Treatment and Technology**
- **Surface and Ground Water Interaction**
- **Surface and Ground Water Available Under Changed Climate**
- **Surface and Ground Water Quality**
- **Ground Water Treatment and Technology**

3. Extreme Climate Event-Drought, Flood and Cyclone

- **Drought and Flood Management**
- **Impact of Climatic Hazard on Water Resource**
- **Salinity Intrusion**

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- **Hydro- Dynamic Study on Coastal Hazards**

4. Water and Society

- **Water Conservation and Role of Women**
- **Water, Health and Livelihood Issue**
- **Community based Water Management**
- **Rainwater Harvesting**

5. Water and Ecosystem

- **Forest Hydrology**
- **Wetland Hydrology**
- **Water, Soil and Plant Relationship**
- **Sediment Transport and Mechanism**

6. Water Supply and Treatment

- **Rural and Urban Water Supply**
- **Safe Water Supply**
- **Advanced Water Treatment and Technology**
- **Water Safety and Security**
- **Reject Management**
- **Advance Nano Technology Application for Water Treatment**

7. Waste Water Treatment Technology

- **Waste Water Utilization**
- **Energy Harvesting through Wastewater**
- **Reuse and Recycling of Wastewater**
- **Advanced Waste Water Treatment**
- **Sludge Management**

8. Environment, Sustainability and Development

- **Ecological Flow**
- **Water Policy and Water Economic**
- **Sustainable Development**
- **Environmental Management**
- **Energy, Utilization and Environment**
- **Urban Water Sensing for Sustainable Development**

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ABOUT THE INSTITUTE

School of Water Resources Engineering Jadavpur University: A center for Water Resources Engineering started functioning as an interdisciplinary group in R & D activities in June, 1983 after the appointment of a Professor of water resources engineering. The center was associated with the Departments of Civil, Mechanical, Electrical and Chemical Engineering and Geological Sciences. The school has national and international links with renowned universities and research organizations.

Women's College Calcutta: Women's College Calcutta was founded on 2nd July 1937, by a group of devoted scholars under the guidance of Dr. D.L. De with a view to advancing the cause of higher education among women's. A number of subjects are taught both in graduate and postgraduate levels.

National Institute of Technology, Durgapur

NIT Durgapur is an academic institute of national importance. It was established in 1960 as Regional Engineering College at Durgapur and converted to NIT in 2002 under an act of the Parliament of India. It hosts several engineering, science and humanities disciplines. NIT Durgapur is partner Institute of BRICS Network University under the thematic area "Water Resources and Pollution Treatment".

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Convener

Dr. Malabika Biswas Roy

Assistant Professor, Department of Geography,
Women's College Calcutta

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Call for Papers

Participants are requested to send their abstract (250 words) based on original research latest by 20th February 2020 to the conference email (icswrm20@gmail.com). The abstract should be typed in Times New Roman (12 Font Size) with 1.5 Space with title of the paper, name of the author(s), affiliation, e-mail address besides the content. The corresponding author will be informed through e-mail about the acceptance of the abstract by February 14, 2020. All accepted papers will be published in the Abstract Proceedings of the Conference. Those communications considered of having enough quality may be further considered for publication in the edited volume in **Springer Publication**.

IMPORTANT DATES (EXTENDED)

Abstract submission extended:	20 th February 2020
Acceptance of abstract:	22 nd February 2020
Full paper submission extended:	7 th March 2020
Online Registration start:	15 th February 2020
Online Registration closed:	28 th February 2020

REGISTRATION FEE

International Delegates	300 USD
Participants from Industry	4700 INR (Including GST)
National Delegates	2500 INR (Including GST)
Research Scholars	1500 INR (Including GST)
Accompanying Person's/ Participants	1000 INR (Including GST)
Students (UG/PG)	800 INR (Including GST)

Registration fee (without Accommodation) includes conference kits, breakfast and lunch during the conference. Accompanying Person's registration includes breakfast and lunch during the Conference.

The registration fee can be paid online through RTGS/NEFT/Direct Transfer to the Bank Account or DD in favor of JADAVPUR UNIVERSITY, payable at Kolkata the details are:

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For Conference Inquiries

+91 8697745124, +918617200324, +91 9830499576

icswrm20@gmail.com

gourab87civil@yahoo.com

malabikabiswasroy@gmail.com

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Tentative Program

International Speakers

China – Speaker 1
Russia- Speaker -2
South Africa- Speaker -3
Brazil- Speaker-4
Bangladesh-Speaker-5

National Speakers

IISC, Bangalore
IIT KGP
School of Water Resources Engineering, JU
NIT Durgapur
Women’s College Calcutta
AIH & PH, GoI
IIT Roorkee
IIT Delhi
IEST Shibpur
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