



National Conference
on
WATER RESOURCE MANAGEMENT
ACHIEVEMENTS & CHALLENGES - 2014
(22nd March, 2014)

Organised by



**Department of Civil
Engineering**
**Jamia Millia Islamia, New
Delhi**
(Central University)

In association with

Jamia Millia Islamia

Jamia Millia Islamia was founded in 1920 during the Khilafat Non-Cooperation Movement in response to Mahatma Gandhi's call to boycott British educational institutions. Jamia reflects the original concern of its founders, which was to encourage the indigenous roots of education. Since its inception, Jamia has been continuously growing, refurbishing its methods and branching out from time to time to meet emerging needs of the society. It seeks to foster national and cosmopolitan perspective in its academic programmes well as in co-curricular activities. Jamia strives to disseminate knowledge in science and technology and provides instructional, research and extension facilities in various branches of learning. In recognition of its services to the nation, Jamia Millia Islamia was declared as Central University by an act of Parliament in 1988. The University is situated in south Delhi and is about 19 km from Indra Gandhi International airport, 12 km from the railway station and 16 km from inter state bus terminal.

Department of Civil Engineering

The Department of Civil Engineering at Faculty of Engineering and Technology was established in 1985 with a view to imparting quality education and technical skills in students. It has a rich tradition of excellence in teaching, research, and service. The department offers degrees in B.Tech., M.Tech., doctoral programmes. M.Tech.

programme is offered in Earthquake Engineering and Environmental Science & Engineering. The department maintains state-of-the-art laboratories equipped with modern testing equipments and others facilities. The department actively promotes and organises from time to time special workshops as well as faculty development programmes for academicians and industrialists. Department has state-of-art Computer Aided Design laboratory to solve complex computational problems.

Background and Objectives

Water is vital for life, pivotal for human development and necessary to keep our environment healthy. It is a fundamental resource necessary for human well-being and ecosystem functioning. There is a fixed amount of water on the planet and with increasing population, economic development and changing lifestyles that has imposed considerable pressure on the world's limited water resources leading to increased competition for water and creating situations of potential conflict. Thus the sustainable management of water is a key issue in future societal development.

The concept of Water Resource Management (WRM) has gained wide acceptance as a successful way to tackle these challenges. The aim is to promote economic and social development by addressing and balancing diverse water use interests, while simultaneously safeguarding water resources. However, current water management practices are far from fulfilling these objectives for different reasons. In some cases,

adequate management structures and techniques are not available while in other cases existing management approaches fail in properly addressing the key problems.

The conference focuses in providing an opportunity for academicians, researchers, scientists, practitioners, water managers and professionals from economy, administration, international agencies, private institutions and consulting establishments to come together to express their opinions and interests. The conference is aimed to achieve the following objectives:

- To promote and facilitate the interchange of ideas within the techno-scientific community involved in water resource sector.
- To provide an opportunity for decision makers, experts, and scientists to share their expertise in order to find integrative and comprehensive solutions for water resource problems.
- To highlight the ongoing scientific and operational water resource management activities in pursuit of sustainable development of water resources.
- To accord recognition to outstanding workers in water resources sector through suitable awards.

Conference Themes

The themes of the conference include the latest trends in developments and innovations in water resources, hydraulics of flow, hydrology, irrigation

and agricultural advancements, remote sensing and GIS applications and environmental engineering. Papers are invited from research personals, consultants, professional engineers and students on the following themes:

- **Innovations in Water Resources and Hydrology**
- **Climate Change Impacts on Water Resource System**
- **Water Conservation in Agricultural, Industrial and Municipal Sectors**
- **Environmental Management & Impact Assessment**
- **Remote Sensing & GIS Applications in Water Resource Management & Development**
- **Water Harvesting and Ground Water Hydrology**
- **Hydraulic Structures and Instrumentation**
- **Hydropower/ Hydro-energy Development**
- **Fluid Dynamics & Hydraulic Machines**
- **Fluvial hydraulics**

Submission of Abstracts and Full Papers

The Organising Committee invites perspective authors to contribute to the conference to submit an abstract of about 400 words by an e-mail at: **wrm-a&c2014@jmi.ac.in**. The title of the paper, name(s), affiliation(s), address(es) and contact information of the author(s) should be indicated on the top of the abstract. The theme should be mentioned on the top right corner. The Conference Steering Committee will select abstracts for:

- Oral presentations (12 min + 3 min of discussion) in technical sessions.
- Poster presentations (posters will be on display during all conference days).

The paper formatting instructions will be sent to the individual corresponding authors as soon as their abstract is accepted for submission of a full length paper.

Important dates

The conference registration fee includes conference proceedings, registration kit, welcome reception (ice breaker), lunches and tea/coffee breaks.

Last date for submission of abstract:	10th January, 2014
Notification of accepted abstract:	18th January, 2014
Last date for submission of full paper:	5th February, 2014
Intimation of acceptance of full length paper:	12th February, 2014
Final paper submission:	25th February, 2014

The conference will be held at Civil Engineering Department, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi during 4th to 6th April 2014.

Registration Fees

CONTRIBUTING AUTHORS:

3000 INR

DELEGATES (Govt. Org./R & D/ Academic Inst.)

4000 INR

DELEGATES (Private Inst.)

5000 INR

STUDENTS:

2000

INR

Payments

All payments shall be made by D.D. / Cheque (add Rs. 100 for outstation cheques) drawn in favour of **Registrar, Jamia Millia Islamia, payable at New Delhi.**



WRM-A&C 2014

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