



**आपूर्ति जल और अपशिष्ट जल के प्रबंधन एवं आधारभूत संरचना के प्रति सतत और समग्र
दृष्टिकोण पर राष्ट्रीय संगोष्ठ**

(हाइब्रिड मोड)

(तृतीया तिथि, फाल्गुन मास, कृष्ण पक्ष, विक्रम संवत् २०८१)



National Conference On

**Sustainable and Holistic Approach Towards Supply and Waste Management of
Water and Infrastructure**

(Hybrid Mode)

(Feb, 15, 2025, Prayagraj, Uttar Pradesh)

Organizers

Swadeshi Science Movement of India

(www.swadeshisciences.org)

Indian Water Works Association, Prayagraj

(www.iwwa.info)

Motilal Nehru National Institute of Technology Allahabad

(<https://www.mnnit.ac.in>)

Call for Papers

The conference on ***Sustainable and Holistic Approach Towards Supply and Waste Management of Water and Infrastructure*** aims to bring together experts, researchers, industry professionals, and policymakers to discuss and share knowledge on the critical issues surrounding water supply, wastewater management, and infrastructure sustainability. In the face of growing urbanization, climate change, and resource depletion, there is an urgent need for a sustainable and integrated approach to water supply and waste management. The conference will focus on innovative solutions, technologies, and best practices that ensure efficient water use, minimize waste, and support the development of resilient infrastructure systems. **The abstracts are to be submitted in Hindi and English (Bilingual) languages, however the full papers can be submitted either in Hindi or English.** We invite contributions in the following areas:

Water Supply Management

- Sustainable water sourcing and distribution
- Innovative water conservation methods
- Decentralized and alternative water supply solutions
- Smart water metering and management systems
- Climate-resilient water supply strategies

Wastewater and Waste Management

- Treatment technologies for industrial and municipal wastewater
- Circular economy practices in water and waste management
- Integrated wastewater management systems
- Wastewater reuse and resource recovery
- Addressing pollution and contamination in water bodies

Infrastructure Sustainability

- Green infrastructure for water management
- Resilient infrastructure design and planning
- Life-cycle assessment and sustainability of water-related infrastructure
- Innovations in water storage and distribution networks
- Smart cities and water management technologies

Policy, Governance, and Education

- Water governance and policy frameworks
- Community engagement in water and waste management
- Education and public awareness on sustainable water use
- Economic and financial models for sustainable water infrastructure

Technology and Innovation

- Role of digitalization and IoT in water and waste management
- Artificial intelligence and machine learning in water systems
- Remote sensing and data analytics for water quality monitoring
- Blockchain for water and waste management transparency

Civil Engineering for Sustainable Infrastructure

- Innovative civil engineering materials
- Geotechnical engineering and water resource engineering
- Innovation in Environmental Engineering

Submit the bilingual abstract (Hindi and English) and full paper (in any one language, Hindi or English) on the Email ID: ssmind1980@gmail.com

Details of Registration Fees

| Category | Registration Fee |
|---|------------------|
| Students/SSMD Members/ IWWA Members/ IE Members | 500/- INR |
| Academicians/Faculty Members | 1000/- INR |
| Professionals from Industries | 1500/- INR |
| Life Membership subscription of SSM'D* (Optional) | 2000/- INR |

*For new members, registration fee will be waived

*The registration will be considered completed on receiving the registration form on the link:

Registration form: <https://forms.gle/MiYiGEdCEXbLKUKm9>

Important Dates/Deadlines

| | |
|-------------------------------------|---------------------------------|
| Submission of abstracts (Bilingual) | 15 th January, 2025 |
| Submission of full papers | 5 th February, 2025 |
| Last date of registration | 10 th February, 2025 |

Sponsorships

The sponsors from the industry/ institutions are invited to sponsor this conference. The rates for the different sponsorship schemes are as follows:

| Category | Registration Fee |
|----------------------|------------------|
| Platinum Sponsorship | 100000/- INR |
| Diamond Sponsorship | 75000/- INR |
| Gold Sponsorship | 50000/- INR |
| Silver Sponsorship | 25000/- INR |

Individual donations are also welcome for the promotion of Indian Knowledge System.

Mode of Payment

Registration fee includes the provision for the delegate to receive the publication & complimentary materials of the conference, Food, etc. All kinds of payments may also be made as DD/Local cheque in favor of Swadeshi Science Movement of India, Delhi. Online payment can be done in any of the following bank account:

Account Name: **Swadeshi Science Movement of India**

Account No.: 10964472430

IFSC Code: SBIN0001282

Bank Name: State Bank of India

Branch Name: East Patel Nagar, New Delhi-110008

Name of Account: **IWWA**

Account No: 77660200000061

Name of bank: Bank ok Baroda

Branch: MNNIT, ALLAHABAD

IFS code: BARB0VJMNR

Puruskars/Awards

Continuing with our tradition to organize a public function on this occasion, different awards will be bestowed for the tenth time eg. Swadeshi Vigyan Puraskar will be given to those Nationalistic persons/institutions who have contributed significantly in SET, Social and Skill Education of the nation. Arya Bhatt Puraskar will be given to the selected Science writers/Journalists who have had the distinction of reaching out to the common man through their scientific skill at the popular level. The selection committee will also decide "on the spot" for the Arya Bhatt Samman to be bestowed to those 5 innovators/tribals/artisans/ craftsmen/farmers who present the best paper/product demo. in the conference.

About SSMD

Swadeshi Science Movement of India (SSMD) is a registered Society under societies regulation Act XXI of 1860, No S-28690. Swadeshi Science Movement (SSM) also called Vigyan Bharti is a premier non-profit organisation devoted to disseminate the scientific advancement, founded by Professor K. I. Vasu and his associates from IISc, Bengaluru on 7th November, 1982, the birthday of Sir C. V. Raman. The foundation principle is for the development of Swadeshi Vigyan, integrating traditional and modern sciences catering to national needs and society. Later in 1990,

at Bengaluru, some scientists, technologists and social workers met and decided to launch the Swadeshi Science Movement and afterwards in 1991, at the Nagpur meeting it was renamed as Vijnana Bharati. The objectives of Vijnana Bharati was to spearhead the Movement for Swadeshi Sciences and technologies such as Ayurveda, Siddha, Meditation, Organic Agriculture, Vastuvidya, Forestry, Astronomy, Environment, Engineering etc. with the involvement of R&D personnel and Institutions for development of indigenous technology and thereby uphold the identity and dignity of Bharatiya Science in the comity of nations. Now, Vijnana Bharati has units in 22 states in India. The aims and objects for which the society is established are as follows:

- To adopt and utilize science and technology as effective instruments for achieving the material welfare of mankind at the same time, opposing any attempt to the exploitation of masses through science and technology.
- To adopt and develop Indian language as media of Science and Technology at all levels, especially in taking science and technology to the masses.
- To spare the incomparable contributions of ancient India for laying the foundation of modern sciences and thus to establish that modern science is not all a western product.
- To establish the interface between science and humanism in all facets -physical, mental and spiritual.
- To organize and conduct meetings, lectures, courses, science research seminars and other activities of interest to the members in their quest for social development and harmony through science and technology.
- To disseminate Science and Technology to the members and the general public through publications of periodicals, reports, books on science and technology (both ancient and modern) etc.
- To establish, regulate and maintain supporting centers at regional, district, tahsil, panchyat /city and other appropriate levels and science forums at Schools, Colleges, Universities, Polytechnic Colleges and similar institutions.

About IWWA

The Indian Water Works Association is a voluntary organization of Professionals concerned with WATER. The Association founded in 1968 (and registered under the Societies Registration Act of 1961) with headquarter in Mumbai and 35 IWWA centres in the Country, presently has membership of 12,000 plus. The Objective of IWWA is to stimulate and promote the development of the Science, Economics, Environment, Ecology and Social Sciences in managing the Water. It provides a common platform for the persons and organizations working in this sector to exchange views, share ideas, disseminate information and knowledge about new and appropriate technologies. IWWA is now in its fifties and have accumulated good experience in the promotion and transfer of knowledge in Water and Waste Water management Science & Technology and handling the related issues. It serves to promote programs to accelerate and enhance sustainable growth of Water and Waste Water systems in INDIA.

About MNNIT Allahabad

Motilal Nehru National Institute of Technology Allahabad, Prayagraj (MNNIT) is an Institute with total commitment to quality and excellence in academic pursuits. It was established as one of the seventeen Regional Engineering Colleges of India in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh, and was an associated college of University of Allahabad, which is the third oldest university in India.

For a short duration of two years (2000-2002), the Institute was affiliated to U.P. Technical University. With over 45 years of experience and achievements in the field of technical education, having traversed a long way, on June 26, 2002 MNREC was transformed into National Institute of Technology and Deemed University fully funded by Government of India. With the enactment of National Institutes of Technology Act-2007(29 to 2007), the Institute has been granted the status of institution of national importance w.e.f. 15.08.2007. The Institute now offers nine B.Tech., nineteen M.Tech. Degree Programmes (including part-time), MCA, MBA, M.Sc. (Mathematics and Scientific Computing) and Master of Social work (M.S.W.) programmes and also registers candidates for the Ph.D. degree. The Institute has been recognized by the Government of India as one of the centres for the Quality Improvement Programme for M.Tech. and Ph.D.

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