



# National Conference on Environmental Sustainability, Water Resource and Management (ESWRM - 2019)



Jointly organised by  
Department of Civil Engineering  
and

Department of Basic Science and Humanities  
**Narula Institute of Technology**  
(An Autonomous Institute under MAKAUT)  
81, Nilgunj Road, Agarpara, Kolkata-700109

8-9 November, 2019

Publication with ISBN No



Narula Institute of Technology is a leading autonomous Engineering & Management college, located at Agarpara in West Bengal, approved by AICTE and affiliated to MAKAUT formerly known as West Bengal University of Technology. The college offers NBA accredited degree programmes in engineering. The four year B.Tech course is imparted in the streams like CE, CSE, ECE, EE, IT, EIE & ME. The institute provides a brilliant platform for pursuing higher studies through PG courses like M. Tech (, CE- Structural engineering, CSE, ECE in Communication, EE- Power System), MBA and MCA. It has expanded to include diploma programs in CE, EE, and ETCE under the affiliation of West Bengal State Council of Technical Education. The institute is also accredited by National Assessment and Accreditation Council (NAAC). The college has also received ranking in NIRF (Rank Band 101-150 for consecutive three years), MHRD, Govt. of India.

## About the Department

**Department of Civil Engineering** is a professional core engineering discipline that deals with design, construction and maintenance of physical and naturally built environment. Without Civil engineers, we would not have a constant supply of clean water, roads or train to get the work in morning, or sustainable energy to help us save our planet. Civil engineering is traditionally broken into several sub-disciplines including structural engineering, geotechnical engineering, water resource engineering dealing with analysis of water potential, design of hydraulic structures and allocation of water for various sectorial uses, environmental engineering dealing with water treatment for safe water supply to urban and rural areas and waste water treatments for pollution hazards, transportation engineering and construction engineering. The department of civil engineering fulfills the requirements of equipping the students with all aspects of civil engineering mentioned above and face the real world with confidence.

**Department of Basic Science and Humanities** comprises of Chemistry & Environmental Science, Physics, Mathematics and English. The department is committed to achieve academic excellence in teaching and scholarly endeavours and is devoted to foster fundamental principles and understanding of science to enhance the students' basic knowledge of Engineering and Management. Its objective is to provide value based education to the budding technocrats and management professionals.

**Objective of the Conference:** Environmental sustainability, Global warming, Climate change and water scarcity are the most vulnerable points discussed in the last few decades. Sustainability of mankind is a serious problems faced by the present generation. This conference is specially designed to bring together an interdisciplinary team of researchers to share their information and research experience on recent trends on climate issues, environmental sustainability, water crisis and many more. There will be invited lectures by eminent resource persons from reputed University and Institutions, paper presentation, and interactive sessions. The faculties from different colleges, research scholars and students will be given opportunity to demonstrate their own works and get valuable suggestions from experts. It also aims to create a teaching-learning environment and encourage academicians, researchers and students to develop various competencies and enhance their self-efficacy in different techniques.

## Registration Fees

### ➤ Paper presenter

- Industry person: 1500/-
- Academician :1000/-
- Student: 500/-

Soft Copy of the Registration form needs to be filled up and sent to the conference mail id. A hard copy needs to be submitted at the Registration desk along with the registration fees (Cash only). Joint presenters need to register separately.

## Contact person-

**Convenor-** Abhishek Hazra (Ph.- 8420344614)

**Secretary-** Shiladitya Mondal (Ph.- 8584091931)

Contact E-mail: [abhishek.hazra@nit.ac.in](mailto:abhishek.hazra@nit.ac.in)

## Proposed Keynote speaker:

Prof. Chiranjib Bhattacharjee, Pro-VC, JU

Dr. Kalyan Rudra, Chairman, West Bengal Pollution Control Board

Prof. Asit Kumar Mitra, Former Prof. Dept. of Chem. Engg, Past President - IICHE

Emeritus Prof., HIT

## Publication

All accepted extended abstracts will be published electronically with ISBN Number.

## Important Dates

<b>Abstract Submission deadline</b>	<b>30.10.2019</b>
<b>Last date of notification of acceptance of extended abstract</b>	<b>03.11.2019</b>
<b>Registration deadline</b>	<b>07.11. 2019</b>

**Chief Patron:**

- Sardar Taranjit Singh (MD, JIS Group)

**Patrons:**

- Prof.(Dr.) S.M.Chatterjee, Chairman,BOG
- Padma Shri Prof. (Dr.) Ajoy Kumar Ray, Director, JIS Institute of Advanced Studies & Research, Former-Director (IEST, Shibpur)
- Prof. (Dr.)Asit Guha (Advisor, J IS Group)
- Mr. U. S. Mukherjee (Deputy Director, JIS Group)
- Mr.Simarpreet Singh (Director, JIS Group)
- Mr. Harzot Singh (Director, JIS Group)
- Mr. Amanjot Singh (Director, JIS Group)
- Mrs.Manpreet Kaur (CEO, JIS Group)
- Ms.Jaspreet Kaur (Trustee Member, JIS Group)

**Conference Chair:**

- Prof.(Dr.) M.R.Kanjilal (Principal, NiT, Agarpara)

**Advisory Committee:**

- Prof. P.K. Banerjee, Advisor, JIS Group
- Prof. J.K. Das, Advisor NiT, Agarpara
- Prof. S.C.Konar, Dean, R&D, NiT.

**Organising Committee:**

**Prog. Coordinators**

- Prof. (Dr.) Biman Mukherjee, HOD,CE
- Dr. Sumit Nandi, HOD, BS&HU

**Members**

- Ms. Nidhi Singh, Registrar
- Convener: Abhishek Hazra, CE
- Secretary: Shiladitya Mondal, CE
- Treasurer: Dr. Dhananjay Tripathi, BS&HU
- Arya Banerjee, CE
- Abhipriya Halder, CE
- Anasuya Mondal, CE
- Arpita Mondal, CE
- Rajkumar Banerjee, CE
- Dr. Ashimanta Sengupta, CE
- Dr. Soume Pyne, CE
- Dr. Nikhilesh Sil, BS&HU
- Dr. Sarbani Ganuly, BS& HU
- Dr. Rupa Bhattacharyya, BS&HU
- Dr. Susmita Karan, BS& HU
- Ms. Debopriya Dey, BS & HU
- Subhankar Dey, CE
- Sabir Ali, CE, TA
- Rajat Saha, CE, TA
- Narayan Maji, CE, TA
- Mr. Debashis Ghosh, Accounts, NIT
- Mr. Ratan Das, Site Supervisor, NIT

**National Conference**

on

**Environmental Sustainability, Water Resource and Management**

**(ESWRM-2019)**

**November 8-9, 2019**

**Jointly Organised by**

**Department of Civil Engineering and**

**Department of Basic Science and Humanities**

**Narula Institute of Technology**

**REGISTRATION DETAILS**

Name .....

Organization.....

Designation.....

Address for Communication: .....

Sex: Male / Female.....

Mailing Address:  
.....  
.....  
.....

Title of presentation: .....

Registration fee.....

Contact No.....

E-mail id.....

Date:

Place:  
.....

Signature

**Call for Abstract**

Extended abstracts (450-500words) are invited for presentation on any areas on below mention themes. The abstract should be sent electronically by e-mail only to the conference E-mail Id.- [eswrm2019.conf@gmail.com](mailto:eswrm2019.conf@gmail.com)

The authors are requested to send the pdf file along with the .doc/.docx files. Original contributions are solicited for the presentation. The number of authors in the extended abstract should not be more than three.

**Conference Theme**

The national conference ESWRM-2019 is oriented to includes and not limited to the following themes -

- **Water treatment – Principles and process including design consideration**
- **Industrial waste water – Treatment and management**
- **Solid waste management**
- **Cost effective methods for removal of heavy metals**
- **Rain water harvesting**
- **Water resources, utilization and conservations**
- **Sources of air pollutants and their abatement**
- **Global warming and its effect**
- **Sustainable materials/fuels for better environment**

**Past conferences/SDP/Workshop organised by CE and BS & HU, NiT**

- 5-week Technical Training Programme of junior Engineers of West Bengal Govt. Under ISGPP II sponsored by World Bank (2017, 2018 and 2019-on going)
- FDP on Environmental Impact and behaviour of structures and uses of different software on 9<sup>th</sup> to 13<sup>th</sup> January 2017 at NiT.
- National Conference on Modern Trends in Physics, 10-11, March, 2017 (NCMTTP 2017)
- National Conference on ELT for Management and Technology: Recent trends, 27-28 February, 2017 (NCEMT 2017)
- National Seminar on Application of Mathematics in Technology and Management, 8-9 September, 2016 (NSAMTM, 2016)
- FDP on Modern Trends in Teaching and Research Methodology, 18-22 July, 2016
- National Conference on Science, Technology and Communication Skills (NCSTCS 2K18), 21st April, 2018