

# *Curriculum vitae*

## **Dr. Naved Ahsan**

### **Professor**

Department of Civil Engineering  
Faculty of Engineering and Technology  
Jamia Millia Islamia  
New Delhi, INDIA

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### **Areas of Interest**

- Water quality modeling
- Environmental Impact Assessment and Auditing
- Water / Wastewater Treatment
- Solid Wastes Management
- Water Harvesting and Groundwater Recharge
- Applications of Remote Sensing and Geographic Information Systems (GIS)

### **EDUCATION**

Degree	Discipline	Year	Institute
<b>Ph.D.</b>	Civil Engineering (Specialization: Environmental Engineering)	2005	IIT, Delhi
<b>M.Tech.</b>	Environmental Science & Engineering	1999	IIT, Delhi
<b>B.E.</b>	Civil Engineering	1996	JMI, New Delhi
<b>Diploma</b>	Civil Engineering	1992	JMI, New Delhi

## **POSITIONS HELD**

July 2013 - till date	: <b><i>Professor</i></b> Department of Civil Engineering Faculty of Engineering and Technology Jamia Millia Islamia (Central University) Jamia Nagar, New Delhi 110025, INDIA
July 2010 – July 2013	: <b><i>Associate Professor</i></b> Department of Civil Engineering Faculty of Engineering and Technology Jamia Millia Islamia, New Delhi, INDIA
July 2007 – July 2010	: <b><i>Reader</i></b> Department of Civil Engineering Faculty of Engineering and Technology Jamia Millia Islamia, New Delhi, INDIA
March 2006 – July 2007	: <b><i>Lecturer (Senior Scale)</i></b> Department of Civil Engineering Faculty of Engineering and Technology Jamia Millia Islamia, New Delhi, INDIA
March 2002 – March 2006	: <b><i>Lecturer</i></b> Department of Civil Engineering Faculty of Engineering and Technology Jamia Millia Islamia, New Delhi, INDIA

## **COURSES TAUGHT**

### **Theory Courses**

<b>Post-Graduate Level:</b>	Surface Water Quality Modeling; Environmental Impact Assessment and Auditing; Surface Water Quality Modeling Solid Wastes Management; Water Treatment; Wastewater Treatment
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**Under-Graduate Level:** Water Supply and Treatment;  
Geoinformatics;  
Public Health Engineering;  
Environmental Pollution and Control;  
Elements of Environmental Engineering;  
Engineering Economics;  
Surveying;  
Numerical Analysis and Computer Programming

### **Laboratory Courses**

**Post-Graduate Level:** Environmental Engineering

**Under-Graduate Level:** Water Supply and Treatment;  
Public Health Engineering;  
Elements of Civil Engineering;  
Geoinformatics;  
Surveying;  
Numerical Analysis and Computer Programming

### **COURSE DEVELOPMENT**

Developed the curriculum for various courses including the following:

- Environmental Impact Assessment and Auditing (for PG students)
- Surface Water Quality Modeling (for PG students)
- Treatment Process – I: Water Treatment Processes (for PG students)
- Treatment Process – II: Wastewater Treatment Processes (for PG students)
- Geoinformatics (for UG students)
- Environmental Engineering – I: Water Supply and Treatment (for UG students)

In addition, involved in revision of course structure of B.Tech. (Civil Engineering) and M.Tech. (Environmental Sc. And Engineering) and also in the revision of syllabi of various courses of these programmes.

## **MEMBERSHIP OF PROFESSIONAL BODIES**

<b>Founder Member</b>	Indian Society of Environmental Management (ISEM), New Delhi
<b>Member</b>	Intergraph Geospatial Users Community, Hunstville, Alabama, USA
<b>Member</b>	Indian Society of Remote Sensing, Dehradun
<b>Treasurer</b>	Indian Society of Remote Sensing, Dehradun (Delhi Chapter), (2004 – 2006)
<b>Member</b>	Indian Society for Technical Education (ISTE), New Delhi
<b>Member</b>	International Association of Computer Science and Information Technology (IACSIT), Singapore

## **ADMINISTRATIVE RESPONSIBILITIES**

- **Professor Incharge, Office of the Controller of Examinations, JMI (2024-2024):** As the head of this administrative unit of the University, responsible for conducting all activities related to the admission and examinations of the University. These include extremely confidential activities related to admission process such as setting of question papers for entrance tests, conducting national level entrance tests, declaration of entrance test results; conduct of semester examinations and declaration of results for all the programs of the University, as well as conduct of online proctored examinations of different programs under distance / online education mode and declaration of their results.
- **Professor Incharge, Building & Construction Department, JMI (2020-2021):** As the head of this administrative unit of the University, responsible for the overall working of the Building & Construction Department including planning, tendering, construction and maintenance of building and road projects.

- **Programme Coordinator, M.Tech. (Environmental Sc & Engineering), 2019-2022:** Responsibilities include coordination for smooth teaching and evaluation of students, preparation of teaching load, time-table, schedule of mid-semester and end-semester examinations, allotment of elective courses / projects / seminars.
- **Conducting entrance tests for admission (2004 – 2014):** Responsible for assistance in conduct of entrance tests for admission to various Undergraduate and Postgraduate courses of the Faculty of Engineering & Technology including the following:
  - Bachelor of Technology (B.Tech.), Diploma Engineering – Regular, M.Tech. (Environmental Sc. And Engineering), M.Tech. (Earthquake Engineering), M.Tech. (Electrical Power System Management), M.Sc. (Electronics), Bachelor of Engineering (Civil / Electrical / Mechanical/ Computer / Electronics), Diploma Engineering - Evening

Responsibilities included overall supervision in submission of admission forms, issuing admit card to candidates, coordination in paper setting, evaluation of answer-sheets / OMR, coordination during interviews for admission, preparation of result of entrance tests, supervision in verification of documents of selected candidates, preparing response to numerous RTI queries related to admission etc. etc.

- **Member of Various Committees in JMI:** Have been member of various committees in the University including that related to purchases, inventory of stores, evaluation of various proposals, course development, admissions interview committees etc.
- **Member of academic and technical committees at other Institutions:** Have been expert member of different committees of various Universities/ Institutions/ Organizations including Union Public Service Commission (UPSC), Jammu and Kashmir Public Service Commission (JKPSC), Uttarakhand Public Service Commission (UKPSC), Defense Research and Development Organization (DRDO), Tata Consultancy Services (TCS), Aligarh Muslim University, Delhi Technological University, Aliah University, Galgotia University, Indira Gandhi National Open University (IGNOU), Netaji Subhash University of Technology (NSUT) etc.
- **Superintendent / Assistant Superintendent of Entrance Tests:** Conducted various entrance tests of various courses of the University including both at the In-campus Test Centres as well as Outstation Test Centers e.g. at Srinagar, Amritsar, Patna.
- **Assistant Superintendent of University Examinations:** Have been responsible, in various years, for conducting Annual Examinations of various Undergraduate and

Postgraduate courses. Also worked as Assistant Superintendent of Examination UG and PG courses for Private candidates.

- **Academic Exchange:** Visited the University of Applied Sciences, Erfurt, Germany (2007) as part of the Academic Exchange program.
- **Faculty Incharge for conduct of Board of Studies and other Departmental Meetings:** Conducted meetings of the Board of Studies and other Departmental meetings. Also, prepared minutes for the same (2013 – 2016)
- **Faculty Incharge, Laboratories:** worked as the Laboratory Incharge for Surveying Laboratory (2002 – 2007). Procured many equipments and developed several experiments.

### **SPECIAL LECTURES / INVITED TALKS (Partial List)**

- Lecture on “Evolution of Environmental Policies and Legislation in India” delivered in the Refresher Course in Environmental Science / Education organized by UGC Human Resource Centre, JMI 12 October 2020.
- Lecture on “Sustainable Environmental Management” delivered in the Webinar on Sustainable Smart Cities organized by M.A. Jauhar University on 08 June 2020.
- Lecture on “Quality of water & its sources, intake and conveyance” delivered in the Training Program for Assistant Engineers of Haryana Public Health Engineering Department, on 26<sup>th</sup> February 2013.
- Lecture on “Treatment of Water for public distribution systems” delivered in the Training Program for Assistant Engineers of Haryana Public Health Engineering Department, on 26<sup>th</sup> February 2013.
- Lecture on “Basic Concepts of Digital Image Processing” delivered at Maharishi Dayanand University Rohtak, Haryana, under the NRDMS Summer Training Programme, on 31<sup>st</sup> May 2012.
- Lecture on “Advanced Techniques for Digital Image Processing of Remotely Sensed Data” delivered at Maharishi Dayanand University Rohtak, Haryana, under the NRDMS Summer Training Programme, on 31<sup>st</sup> May 2012.
- Lecture on “Overview of Digital Image Processing” delivered at Department of Geography, Jamia Millia Islamia, New Delhi under the NRDMS Summer Training Programme, on 25<sup>th</sup> May 2012.

- Lecture on “Applications of Digital Image Processing” delivered at Department of Geography, Jamia Millia Islamia, New Delhi under the NRDMS Summer Training Programme, on 26<sup>th</sup> May 2012.
- Lecture on “Environmental Impact Assessment Methodologies” delivered in Short-term course under QIP scheme of AICTE organized by University Polytechnic, Jamia Millia Islamia, New Delhi, 2008.
- Lecture on “Risk Assessment – Basic Approach” delivered in a Training Program on Environmental Management Systems – ISO 14000 organized by the Indian Society of Environmental Management, New Delhi on 16<sup>th</sup> May 2004.

### **Ph.D. SUPERVISION**

- Hari Pal Singh, Development of a Framework for Sustainable Irrigation and Water Supply System in a Region of Himachal Pradesh
- M.S. Rao, GIS and Remote Sensing Based Approach for Sustainable Water Resources Management
- Mansoorul Haq Khan, Groundwater Contamination Modeling and Risk Assessment in Major Industrial Areas of NCR Delhi.
- Saad Asghar Moeeni, Simulation of Spatial Variability of Groundwater behavior under diverged levels of pumping & discharge
- Sourbh Dhiman, Study on Anaerobic Ceramic Membrane Bioreactor Treating Low Strength Wastewater

### **MASTER’S (M.Tech.) DISSERTATIONS SUPERVISION (partial list)**

- Abdul Rehman 2021, Analysis of The Integration of Renewable Energy (PV System) in an Institutional Building
- Fizza Beg 2021, Water Quality Analysis of River Yamuna using QUAL2k

- Samreen Fatima 2020, Review existing practices in INDIA for assessing impacts of distilleries wastewater
- Sanchay Gupta 2020, Review of Existing Practices in EIA for Assessing Water Pollution Impacts by Sugar Industry
- Hina Fatima 2019, Review existing practices in INDIA for Municipal Solid Wastes Impact Assessment
- Sidra Amjad 2019, Wasterwater Management in an Electroplating Industry
- Saba Khursheed 2018, ANN based evaluation of longitudinal dispersion coefficient of streams using different algorithms.
- Ayush Kumar 2017, Performance Assessment of a 74 MLD Sewage Treatment Plant.
- Khan Mohd Adil 2017, Water Quality Modeling of a small river reach
- Saddam Husain 2016, Water Quality Assessment of Agra Canal in Delhi Stretch.
- Shehzad Ahmad 2016, Water Quality Modeling for Yamuna River within Delhi Strech Using QUAL2K Model.
- Aparupa Shenoy 2015, Design of an Efficient Effluent Treatment and Disposal System for a Textile Industry.
- Dakshayani TR 2015, Estimation of Longitudinal Dispersion Coefficient for Natural Streams.
- Pandey, Anoop, 2014, Evaluation and Optimization of Wastewater Treatment System.
- Shaligram, Bendale Deepak, 2013, Validation of Qual-2K Model for a segment of Yamuna River
- Chaudary, Hitesh Kumar, 2010, Prediction of Longitudinal Dispersion Coefficient for Natural Streams
- Jafrudeen, 2010, Development of Zero Discharge System for a Hospital
- Siddegowda S, 2010, Minimization of Emissions from Diesel Engine Vehicles with use of Biodiesel Blends
- Bajpai, Kamlesh Chand, 2009, Performance Assessment of a Rainwater Harvesting System in a Residential Area.
- Jamal, Qaisar, 2008, A study on pollutants dispersion in natural rivers



- Pathak, Anil Kumar, 2008, Environmental Impact Assessment for Airport Project – A critical appraisal of the current Approach
- Rahman, Zeyaur, 2007, A Study on Road Traffic Noise Pollution in Urban Area
- Verma, Trilok Chand, 2006, Environmental Evaluation of Coal and Gas Based Power Plants
- Badola, Indu Prakash, 2005, Development of Environmental Management System for Petrol Pumps and Service Stations in Delhi
- Kumar, Surender, 2005, Environmental Management System at National Power Training Institute, New Delhi – Case Study

## **CONFERENCES / SEMINARS ORGANIZED**

### **International Conferences**

- International Conference on Smart Cities: Opportunities and Challenges, March 14 – 16, 2019, as Organizing Secretary.
- International Conference on Water and Wastewater: Perspectives of Developing Countries (WAPDEC); December 10 – 12 2002 as member of the Organizing Committee.
- International Conference on Environmental Challenges for the New Millennium (ECNM'99); November 25 – 27, 1999; as member of the Organizing Committee.

### **National Conference**

- National Conference on *Remote Sensing and GIS for Environmental Management*, August 10, 2010, as Member of the Organizing Committee.
- National Conference on *Geotechnical and Structural Aspects of Earthquake Engineering* (GSEE'07); August 4 – 5, 2007; as Joint Secretary.

### **Workshops**

- Training Workshop on Environmental Management Systems – ISO 14000 (May 15 – 16, 2004) as member of the Organizing Committee.

- One day Workshop on New Techniques and Technologies for Solid and Hazardous Wastes Management (08<sup>th</sup> March 2003) as member of the Organizing Committee.
- One day Workshop on *Solid and Hazardous Waste Management* (25<sup>th</sup> April 1999) as member of the Organizing Committee.

## **CONFERENCES / SEMINARS ATTENDED (partial list)**

### **International Conferences**

- International Conference on Building Utilities, December 1 -3 2016, organized by Jamia Millia Islamia, New Delhi, India.
- International Conference on Recent Advances in Science & Engineering (ICRASE 2012) organized by Association of Scholars and Professionals, (ASP), India, 30-31 October 2012, Hyderabad, India
- International Conference on Environment (ICENV 08). Universiti Sains Malaysia. December 15-17, 2008. Penang, Malaysia.
- World Congress on Science, Engineering and Technology, October 29-31, 2008. World Academy of Science, Engineering and Technology (WASET), Venice, Italy.
- International Conference on Environmental Science and Technology, August 6 – 9, 2007. American Academy of Sciences, Houston, Texas, USA.
- International Conference on Water and Wastewater: Perspectives of Developing Countries (WAPDEC); December 10 – 12 2002, organized by the Department of Civil Engineering, IIT Delhi in collaboration with the IWA, UK.
- International Conference on Environmental Challenges for the New Millennium (ECNM'99); November 25 – 27, 1999 organized by the Department of Civil Engineering, JMI, New Delhi in collaboration with the Indian Society of Environmental Management (ISEM), New Delhi.

### **National Conferences**

- National Conference on Emerging Trends and Developments in Civil Engineering (NCETDCE-2017), November 11 – 12, 2017, organized by Malaviya National Institute of Technology Jaipur.

- National Conference on “Green Buildings in India: Present Practices and Future Prospects” organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi August 27, 2015.
- National Conference on Water Resources Management: Achievements and Challenges (WRM-AC 2014), Department of Civil Engineering, Jamia Millia Islamia, August March 22, 2014, New Delhi, India.
- National Conference on Remote Sensing and GIS for Environmental Management, Department of Civil Engineering, Jamia Millia Islamia, August 10, 2010, New Delhi, India.
- India R&D Conference on Geospatial Technologies for Utilities and Infrastructure, 20 – 21 November 2009, organized by National Spatial Data Infrastructure (NSDI) and Federation of Indian Chambers of Commerce and Industry (FICCI), New Delhi, India.
- National Conference on Geotechnical and Structural Aspects of Earthquake Engineering (GSEE'07). August 4 – 5, 2007. New Delhi, India.
- National Conference on Environmental Pollution and Health: Problems and Solutions April 19-20, 2007. organized by IDC Foundation at India International Centre, New Delhi, India.
- Conference on Urban Storm Water Drainage System: Challenges and Solutions, January 20-21, 2007, The Institution of Engineers (India) – DelhiState Centre, New Delhi.
- National Conference on Applications of Remote Sensing and GIS in Resource Management, February 25-26, 2006, BIET, Jhansi, India.
- National Symposium on Advances in Remote Sensing Technology, December 11-13, 2001, Space Application Centre, Ahmedabad.
- Seminar on Science and Technology –21st Century Challenges (ST200), 1998, organized by the Department of Civil Engineering, JMI, New Delhi.

## Workshops

- Workshop on Innovative technologies for the remediation and reuse of wastewater from molasses distilleries, 15 April 2009 organized by TERI, New Delhi.
- Workshop on Environmental Impact Assessment of Hydropower Projects, 10th January 2008 organized by the National Hydro Power Corporation at New Delhi.
- Workshop on Pollution Control Strategies for Delhi, September 29, 2001, Jamia Millia Islamia, New Delhi.

- Workshop on Environmental Management Systems – ISO 14000 (May 15 – 16, 2004) as member of the Organizing Committee.
- Workshop on New Techniques and Technologies for Solid and Hazardous Wastes Management (08th March 2003) as member of the Organizing Committee.
- Workshop on Solid and Hazardous Waste Management (25th April 1999) organized by the Department of Civil Engineering, JMI, New Delhi in collaboration with the Indian Society of Environmental Management (ISEM), New Delhi.

### **TRAINING PROGRAMS ATTENDED (partial list)**

- NEP 2020 Orientation and Sensitization Programme under the Malviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC) organized by MMTC, JMI from 26<sup>th</sup> December 2023 to 04<sup>th</sup> January 2024.
- Professional Development Programme on “e-Content Development for MOOCS and Online Teaching” organized by UGC Human Resource Development Centre, JMI, New Delhi 27<sup>th</sup> to 28<sup>th</sup> May 2020.
- An e-Learning Course on “Green Productivity and the Environmental Management System (ISO14001)” through video-conferencing, 14-17 Sep 2009, organized by National Productivity Council, N Delhi and Asian Productivity Council, Tokyo, Japan.
- UGC (University Grants Commission) Sponsored Orientation Programme, 23rd Nov. to 21st Dec. 2004 (Four Weeks), organized by the Academic Staff College, Jamia Millia Islamia, New Delhi.
- Training Program on AutoCAD, 23 August 2004 to 03 September 2004 (Two Weeks), Department of Mechanical Engineering, Jamia Millia Islamia, New Delhi, India.
- Short term course on Mathematical Modelling: Concepts and Approaches, 23-27 June 2003 (One Week), Dept of Civil Engineering, IIT Delhi, New Delhi, India.
- Short term course on GIS and Remote Sensing Applications in Water Resources, 1-5 December 2003 (One Week), Department of Civil Engineering, Indian Institute of Technology Guwahati, Assam, India.
- GIS Training Program on Introduction to ArcGIS, 8-12 April 2002 (One Week), ESRI India, New Delhi, India.
- Training Program on Introductory GIS using ArcView and ArcInfo, 21-28 July 2001 (One Week), Spatial Decisions, New Delhi, India.

## **CONSULTANCY AND RESEARCH PROJECTS**

Completed various consultancy and research projects at different capacity levels. A **partial list** is as under:

- Environmental Impact Assessment of International Hotels Complex, New Delhi. (*Delhi Development Authority, New Delhi*)
- Environmental Modeling of Delhi – New Delhi reach of River Yamuna (*rites India Ltd., New Delhi*)
- Third Party Quality Assessment for various organizations (Uttar Pradesh Jal Nigam)
- Checking and vetting of design of various sewage / effluent treatment plants, sewerage systems for various organizations.
- Design and Development of Rainwater Harvesting System at IIT Delhi (*Ministry of Human Resources Development, Government of India, New Delhi*)
- Development of Statistics in Environmental Sector - Municipal Solid Waste (*Department of Statistics, Ministry of Planning & Programme Implementation, Government of India*)
- Monitoring of Environmental Indicators for Delhi-Gurgaon Expressway Project (*Jaypee DSC Ventures Ltd., New Delhi*)
- Qualitative and Quantitative Evaluation of Groundwater Resources in Ayadnagar Ghaziabad, U.P. (*Rajiv Gandhi National Drinking Water Mission, Govt. of India*)
- Geophysical Investigations and Evaluation of Groundwater Resources in Vasant Kunj, New Delhi. (*Delhi Development Authority, New Delhi*)
- Geotechnical Investigations of a large number of sites at different locations in New Delhi and National Capital Region. (*Various government and private agencies*)
- Topographical Surveys of various sites in and around New Delhi. (*Various government and private agencies*)
- Preparation of Reports for Adequacy of Performance of Effluent Treatment Plants as per the requirements of State Pollution Boards/Committees (*Various government and private agencies*)

## **PUBLICATIONS**

### **BOOKS / MONOGRAPHS**

- Khan I.H. and **Ahsan N.** (2003) “Textbook of Solid Wastes Management” CBS Publishers, New Delhi. (ISBN9788123909448)
- Devi R. and **Ahsan N.** (eds.) (2003) “Water and Wastewater: Perspectives of Developing Countries” a publication of International Water Association (IWA), United Kingdom (UK).
- Abbas SM, **Ahsan N**, Khan RA (eds.) (2007) Proceedings of the National Conference on “Geotechnical and Structural Aspects of Earthquake Engineering” organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi.
- **Ahsan N.** (2011) “Digital Image Processing” a Self Learning Material (SLM) prepared for students of Postgraduate Diploma in Geoinformatics (Distance Mode).

### **e-Content and Video Lectures**

- ePG Pathshala Module on “Image Rectifications (Geometric and Radiometric)” for the Paper “Remote Sensing and GIS”
- ePG Pathshala Module on “Image Enhancement” for the Paper “Remote Sensing and GIS”
- ePG Pathshala Module on “Image Transformation” for the Paper “Remote Sensing and GIS”
- Video lectures on “Theory and Design of Disinfection” (Part – I and Part – II) for SWAYAM course on “Pollutants and Water Supply” - 2020

### **Self Learning Material (SLM) Editing**

- Edited the contents of following units of the “Collection of Solid Wastes (Block 1)” for the Certificate Course on “Solid Wastes Treatment Techniques” of Indira Gandhi National Open University (IGNOU)
  - Unit 1 - Wastes collection systems, equipments & vehicles
  - Unit 2 - Planning and scheduling for wastes collection
  - Unit 3 - Cost accounting and fee collection systems from wastes generators

## RESEARCH PAPERS

- Jasir Mushtaq; Nadeem Gulzar Shahmir; Abdul Qayoom Dar; Naved Ahsan; Tawfeeq Ahmad Wani; Zeyneb Kilic (2024) "Comparative Analysis of Municipal Solid Waste Management between Low and High-Altitude Cities: a comprehensive global review" Environmental Science and Pollution Research (communicated)
- Nibedita Verma, Geeta Singh, Naved Ahsan (2024) "Water quality modeling-based assessment for the scope of wastewater treatment of the urban reach of River Yamuna at Delhi, India", Environment Monitoring Assessment 196:155 <https://doi.org/10.1007/s10661-024-12315-9>
- Nibedita Verma, Geeta Singh, Naved Ahsan (2023) "Water quality management by enhancing assimilation capacity with flow augmentation: a case study for the Yamuna River, Delhi", Water Science & Technology Vol 88 No 7, 1821 doi: 10.2166/wst.2023.302
- Nibedita Verma, Geeta Singh, Naved Ahsan (2023) "Assessment of Spatiotemporal Variations in Water Quality of the Urban River Reach, Yamuna, Delhi", Water, Air, & Soil Pollution 234:571 DOI 10.1007/s11270-023-06569-1
- Sourbh Dhiman, Malini Balakrishnan, Vincenzo Naddeo, Naved Ahsan (2023) "Performance of Anaerobic Membrane Bioreactor (AnMBR) with Sugarcane Bagasse Ash-based Ceramic Membrane treating Simulated Low-strength Municipal Wastewater: Effect of Operation Conditions", Water Air Soil Pollution 234:141 <https://doi.org/10.1007/s11270-023-06173-3>
- Sourbh Dhiman, Rupali Singh, Malini Balakrishnan, Naved Ahsan (2023) "Upcycling of used ceramic membrane as media in upflow biological reactor treating low strength wastewater", Materials Today: Proceedings <https://doi.org/10.1016/j.matpr.2023.11.117>
- Sourbh Dhiman, S Yadav, Malini Balakrishnan, Naved Ahsan (2023) "Fouling behaviour of industrial waste-based ceramic membrane in anaerobic membrane bioreactor treating low strength wastewater", International Journal of Environmental Science and Technology <https://doi.org/10.1007/s13762-023-05070-w>
- Sourbh Dhiman, Malini Balakrishnan, Vincenzo Naddeo, Naved Ahsan (2021) "Anaerobic membrane bioreactor (AnMBR) equipped with waste based ceramic membranes: Relation with life cycle cost (LCC)", Water-Energy-Nexus in the Ecological Transition, Advances in Science, Technology & Innovation, [https://doi.org/10.1007/978-3-031-00808-5\\_56](https://doi.org/10.1007/978-3-031-00808-5_56)

- Jasir Mushtaq, Abdul Qayoom Dar and Naved Ahsan (2020) "Spatial-temporal variations and forecasting analysis of municipal solid waste in the mountainous city of north-western Himalayas" SN Applied Sciences, Springer Nature Journal, 2:1161 <https://doi.org/10.1007/s42452-020-2975-x>
- Jasir Mushtaq, Abdul Qayoom Dar and Naved Ahsan (2020) "Geospatial mapping and SWOT analysis of municipal solid waste management: A case study of Srinagar city" Solid State Technology, Volume: 63 Issue, 5 pp 207 - 221.
- Saad Moeeni, Naved Ahsan, Mohammad Sharif and Aftab Alam (2020) Estimation of Long Term Recharge and Discharge for Effective River Basin Management" Water and Energy International Vol 63 No 10 pp 70 – 74.
- Jasir Mushtaq, Abdul Qayoom Dar and Naved Ahsan (2020) "Physio-chemical characterization of municipal solid waste and its management in high-altitude urban areas of North-Western Himalayas" Waste Disposal & Sustainable Energy, Springer, Vol. 2, 15 – 160, <https://doi.org/10.1007/s42768-020-00040-1>
- Sourbh Dhiman and Naved Ahsan (2019) "Forward Osmosis (FO) - Exploring Niche in Various Applications: A Review" International Conference on SMART CITIES: Opportunities & Challenges. March 14-16, 2019, organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi.
- Nehal Ahmad, Saif Said, Naved Ahsan (2019) "Land Use Change Detection of Yamuna River Flood Plain Using Geospatial Technique" International Journal on Recent Technology and Engineering (IJRTE), Vol 8 No 1S4, pp 30 – 38 ISSN 2277-3878.
- N Ahmad, S. Said and Naved Ahsan, (2019) "Land use Mapping of Yamuna River Flood Plain in Delhi using K-mean and Spectral Angle Image Classification Algorithms", Water and Energy International, CBIP, 62(5), 63-68.
- Jasir Mushtaq, Abdul Qayoom Dar and Naved Ahsan (2019) "Characterization of Municipal Solid Waste in High-Altitude Urban Areas of Western Himalayas: A paradigm to smart city" International Conference on SMART CITIES: Opportunities & Challenges. March 14-16, 2019, organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi.
- Aparupa Shenoy and Naved Ahsan (2019) "Sustainable Design of Textile Industry Effluent Treatment Plant with Constructed Wetland" International Conference on SMART CITIES: Opportunities & Challenges. March 14-16, 2019, organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi.



- Nehal Ahmad, Naved Ahsan, Saif Said (2018) "Assessment of Changes in Morphological Characteristics of River Yamuna (Wazirabad- Okhla) in Delhi Using Remote Sensing Data" iManager's Journal on Future Engineering & Technology, Vol. 14, No. 2, pp 55 – 65.
- Mansoorul Haq Khan, Naved Ahsan, Mohammad Shakeel (2018) "Impact of Urbanization On Ground Water Table in Parts of NCT of Delhi" International Seminar on Water Pollution and Health. 2018, organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi.
- Kumar Ayush & Naved Ahsan. (2017) "Performance Assessment of 74 MLD Sewage Treatment Plant at Ghaziabad" Proceedings of National Conference on Emerging Trends and Developments in Civil Engineering (NCETDCE-2017), November 11 – 12, 2017, organized by Malaviya National Institute of Technology Jaipur.
- Naved Ahsan. (2016) "A Perspective on Socio-Technical Issues in Integrated Management of Urban Storm Water" Proceedings of International Conference on Building Utilities, December 1 -3 2016, organized by Jamia Millia Islamia, New Delhi, India.
- Naved Ahsan. and Muddassir SM (2015) "Green Buildings: Issues and Challenges for Architects and Civil Engineers In India" Proceedings of National Conference on "Green Buildings in India: Present Practices and Future Prospects" organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi August 27, 2015.
- Rao MS, Hassan Q & Naved Ahsan, (2015) "Customized Optimal Saline Resistant Cropping Policy: A Case Study", International Journal of Research in Engineering & Technology ISSN: 2347-4599 Vol. 3, Issue 5, May 2015, 1-8.
- Dakshayani T.R and Naved Ahsan, (2015) "A 4 Layer 4-4-2-1 ANN Model for Estimation of dispersion Co-Efficient In Natural Streams", Proceedings of International Conference on Sustainable Energy and Built Environment, organized by School of Mechanical and Building Sciences, VIT University in Association with American Society of Civil Engineers (ASCE) page 601-606.
- Shenoy A and Naved Ahsan, (2015) "Waste Water Pollution form Textile Industry and its Control Measures, 7th International Conference On Emerging Technologies in Civil Engineering, Architecture and Environmental Engineering for Global Sustainability(CEAEGS- 2015) held at Jawaharlal Nehru University, New Delhi, on 4th and 5th April, 2015.
- Naved Ahsan (2014). "Estimation of Coefficient of Dispersion in a River Reach Using Remotely Sensed Data", Proceedings of the National Conference on Water Resources Management: Achievements and Challenges (WRM-AC 2014) organized

by Department of Civil Engineering, Jamia Millia Islamia, New Delhi March 22, 2014, pp 224 – 232

- Singh H.P, Hassan Q, and Naved Ahsan. Sharma M.R, (2014). “Operation & Management Of Lift Irrigation Project Using Scada In A Hilly Region Of Himachal Pradesh– A Case Study”, Proceedings of the National Conference on Water Resources Management: Achievements and Challenges (WRM-AC 2014) organized by Department of Civil Engineering, Jamia Millia Islamia, New Delhi March 22, 2014, pp 84 – 91.
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