



Dr. Aftab Alam

Lecturer, Civil Engineering

CONTACT

- +91 8797527215
- ce33aftab@gmail.com
- Gopalganj, Bihar
- <https://www.researchgate.net/profile/Aftab-Alam-61>

EDUCATION

- Ph.D., National Institute of Technology Patna, India
(Ministry of Education, Government of India)
Dec 2019 - March 2024
- M.Tech, National Institute of Technology Patna, India (2017 – 2019)
Post Graduated in Civil Engineering,
Specialization in Environmental Engineering
with CGPA 8.44 (84.4%)
- B. Tech, Darbhanga College of Engineering Darbhanga, Bihar, India
(A. K. U. Patna) (2012 – 2016)
Graduated in Civil Engineering with CGPA 8.60 (79.87%)

SKILLS

- Microsoft Team
- Statistical analysis
- Arc-GIS Software
- SPSS Software
- Statistics Software
- Origin Software
- R-Studio
- Leadership
- Decision making
- Communication
- Multi-tasking

PROFILE

I completed my Ph.D. from the Department of Civil Engineering of the National Institute of Technology Patna, Bihar, India. I carried out my research in Groundwater quality evaluation and their associated human health risk assessment in south Bihar plains, and interested in groundwater pollution studies. I have actively participated in various conferences and training programmes, and I have published several research papers in various SCIE/SCI/SCOPUS journals. I would like to contribute my best to organisaiton. Currently, I am a Lecturer in the civil engineering section, at MANUU Polytechnic Darbhanga.

WORK EXPERIENCE

- MAULANA AZAD NATIONAL URDU UNIVERSIY, POLYTECHNIC DARBHNGA**
Lecturer (Civil Engineering) DEC 2024 - PRESENT
- UNIVERSITY POLYTECHNIC, JAMIA MILLIA ISLAMIA, NEW DELHI**
Guest Lecturer (Civil Engineering) SEP 2023 - DEC 2024
- GOVERNMENT POLYTECHNIC PATNA**
Guest Lecturer (Civil Engineering) SEP 2019 - DEC 2019

ACHIEVEMENTS

- Graduate Aptitude Test in Engineering (GATE) qualified 3 times in Civil Engineering.
- UGC-NET (2018) Qualified in Environmental Sciences
- Qualified BCECEB-2012
- Participated in 52nd Annual Convention 2020 of Indian Work Water Association at the National Institute of Technology Patna
- "A Hybrid Course on Water Quality- An Approach to Peoples Water Data" offered by IIT Madras and Tel Aviv University Israel.

MEMBERSHIPS

- Associate Member of The Institution of Engineers, India
- Life Member of Indian Water Work Association (IWWA)

Extra Activity

- Invited as a Guest Speaker in a webinar title "Recent Trends in Civil Engineering" by Government Engineering College Khagaria.
- Invited as a Guest Speaker in a webinar title "Global Career Opportunities for B. Tech Graduates" by B.P. Mandal College of Engineering, Madhepura.

PUBLICATION

Journal Paper

- Alam, A., Kumar, A., & Singh, A. (2024). A GIS approach for groundwater quality evaluation with entropy method and fluoride exposure with health risk assessment. *Environmental Geochemistry and Health*, 46(2), 47. (SCIE)
- Dheeraj, V.P., Alam, A. et al. (2025) Hydrogeochemical quality investigation of groundwater resource using multivariate statistical methods, water quality indices (WQIs), and health risk assessment in Korba Coalfield Region, India. *Stoch Environ Res Risk Assess* (2025). <https://doi.org/10.1007/s00477-024-02895-w> (SCIE)
- Alam et al., (2024) Assessing the Influence of Bandhwari Landfills on Groundwater Quality using Pollution index of groundwater (PIG) and Leachate pollution index (LPI) in Gurugram, India., *African journal of Biological Sciences*. 6(9) 2773-2783. (SCOPUS)
- Alam Aftab, Singh Anshuman, (2023) "Groundwater quality assessment using SPSS based on multivariate statistics and water quality index of Gaya, Bihar (India)" *Environmental Monitoring and Assessment*.. DOI : 10.1007/s10661-023-11294-7. (SCIE)
- Alam, A., & Singh, A. Groundwater quality evaluation using statistical approach and water quality index in Aurangabad, Bihar. *Rasayan Journal of Chemistry* 2022, 180-188. <http://doi.org/10.31788/RJC.2022.1558191> (Scopus)

Conference Paper

- Alam, A.; Kumar, S. Groundwater Quality Assessment and Evaluation of Scaling and Corrosiveness Potential of Drinking Water Samples. *Environ. Sci. Proc.* 2023, 25, 64. <https://doi.org/10.3390/ECWS-7-14316>
- Prasun, A.; Singh, A.; Kumar, P.; Alam, A.; Kumar, A. Removal of phenol from biomedical waste by adsorption process. *Engineering Proceedings* 2023. <https://doi.org/10.3390/ECP2023-14663>
- Kumar, A.; Alam, A.; Singh, A. SIMULATION OF 1-D SOLUTE TRANSPORT WITH EQUILIBRIUM-CONTROLLED NON-LINEAR SORPTION USING MT3DMS, in *Proceedings of the 2nd International Electronic Conference on Processes*, 17–31 May 2023, MDPI: Basel, Switzerland, doi:10.3390/ECP2023-14741
- Alam A, Barkatullah M, Kumar A. Water Quality Status of Different Ghats of River Ganga in Patna Urban Area. *Engineering Proceedings*. 2023; 56(1):85. <https://doi.org/10.3390/ASEC2023-15408>

COURSES

- Participated in One Week' short-term course on "Sustainable Solutions to Solid Waste Management (S3WM 2023)", National Institute of Technology Patna
- Gain Course "Emerging Concepts in Municipal Wastewater Treatment", National Institute of Technology Patna
- Gain Course "Advanced Wastewater Treatment with High Energy Efficiency and value added product recovery", National Institute of Technology Patna
- Participated in five days' short-term course on "Renewable Engineering and application (REA- 2018)", National Institute of Technology Patna
- Participated in one week online short-term course on "Recent Advances in Environmental Engineering towards Sustainability", National Institute of Technology Patna

WORKSHOP

- Two days training programme on "Advance Techniques of Bathymetry Survey for Reservoirs and Coastal Projects" organized by Central Water and Power Research Station, Pune.
- Two Week Workshop on "DataAnalysis through SPSS" organized by CDOE, Bharti Vidyapeeth, Maharashtra.
- One-day workshop on "How to publish Scholarly books and open access" jointly organized by NIT Patna and Taylor & Francis Group
- One-week short term training programme on "An introductory course on ecology and environmental studies" organized by National Institute of Technical Teachers Training and Research, Kolkata.
- One day Workshop on "Know- How of Publishing in Scopus-Indexed Journals" at Jamia Millia Islamia, New Delhi.

CONFERENCES/SEMINARS

- Presented in National Conference on Emerging Technology and its role in Sustainable Development. at MANUU Polytechnic Darbhanga.
- Presented in Seminar on GREENS, organized by Institution of Engineers (India) in Lucknow on 4th and 5th Feb 2025.
- Presented in 1st International Interdisciplinary Science congress on 9th Oct 2024 in JMI New Delhi
- Presented in International Conference on Climate Change, Disaster Management, and Environmental Sustainability, on February 21st and 22nd, 2024 in JMI New Delhi
- Presented in 52nd Annual Convention 2020 of Indian Work Water Association at the National Institute of Technology Patna

FACULY DEVELOPMENT PROGRAMME

- Five day ATAL training programme on “Advancements in Sustainable Energy Management and Environmental Protection at Maulana Azad National Urdu University, Polytechnic Hyderabad.
- The NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of UGC organized by MMTTC, JMI New Delhi from 20th may to 30th may 2024.
- Five day ATAL training programme on “Machine Learning with R Programming at NITTR, Kolkata.
- Five day ATAL training programme on “Advances in Pollution Control Technologies and Sustainable Development at MNIT Rajasthan.
- One-week short term training programme on “Smart Cities: Opportunities and challenges” organized by Department of Civil Engineering and Computer Science & Engineering at NIT Patna
- Five day online FDP on “Universal Human Values for Deeksharambh” organized by Department of Mechanical Engineering at NIT Patna

Dr. Aftab Alam