


Curriculum Vitae

Er. Afzal Husain Khan	
Academic Rank Lecturer	
Education <ul style="list-style-type: none">• Mater of Technology, Environmental Engineering, AMU, Aligarh, India (2009-2011).• Bachelor of Engineering, Civil Engineering, AMU, Aligarh, India (2005-2009).	
Academic Experience <ul style="list-style-type: none">• Jazan University, College of Engineering, Civil Engineering Department, Saudi Arabia, Lecturer 2013-Now, full-time• Integral University, College of Engineering, Civil Engineering Department, India, Assistant Professor (2011-2013), full-time• Integral University, College of Engineering, Civil Engineering Department, India, Course Coordinator of Environmental Engineering section (2011-2013), full-time	
Non-academic Experience <ul style="list-style-type: none">• J. P. Groups, Trainee, Baglihar Hydro power Project, Jammu & Kashmir, India, 2007.	
Certifications or Professional Registrations <ul style="list-style-type: none">• Certifications of 3 day training program conducted by Bentley Institute for STAAD Pro Software, India, 2013.• Certifications of 1 day knowledge enrichment program on Primavera and STAAD Pro Software conducted by CADD center, India, 2012.• Certifications of STAAD Pro from Bentley Institute, 2013.	
Current Membership in Professional Organizations <ul style="list-style-type: none">• Life member of Institution of Engineers (Membership no. M-1670875)	
Honors and Awards <ul style="list-style-type: none">• Represented a model of Aquaduct in 5th Science Expo conducted by Regional science city, Under Ministry of Culture, Government of India, 2013.• Qualified Gate conducted by Ministry of Human Resources under Government of India, 2011.	
Recent Publications and Presentations <ol style="list-style-type: none">1. Energy generation and revenue potential from municipal solid waste using system dynamic approach. Chemosphere. 2022. https://doi.org/10.1016/j.chemosphere.2022.1343512. Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review. Environmental Research. 2022. https://doi.org/10.1016/j.envres.2021.112243.3. Current solid waste management strategies and energy recovery in developing countries - State of art review. Chemosphere. 2022. https://doi.org/10.1016/j.chemosphere.2021.1330884. Bioenergy: a foundation to environmental sustainability in a changing global climate scenario. Journal of King Saud University-Sciences. 2022. https://doi.org/10.1016/j.jksus.2021.1017345. New insights into the integrated application of Fenton-based oxidation processes for the treatment of pharmaceutical wastewater. Journal of Water Process Engineering. 2021.	

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6. An overview of greenhouse gases emissions in Hungary. **Journal of Cleaner Production**. 2021. <https://doi.org/10.1016/j.jclepro.2021.127865>

Research Accounts

- **Google Scholar:** <https://scholar.google.com/citations?hl=en&user=t8krwq0AAAAJ>
- **Research Gate:** <https://www.researchgate.net/profile/Afzal-Khan-18>
- **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=57212386085>

Service Activities

- Editorial board member of Journal- Frontiers in Environmental Chemistry, 2022.
- Editor Elsevier Book “The Pharmaceutical wastewater treatment- Innovative technologies and the adaptation of treatment systems”. Elsevier Inc., Under progress. Publication in 2023.
- Invited lecture on “Solid Waste Management: Challenges, opportunities and solutions” in FDP conducted by MAJU University, Rampur, India, 22/06/2020.
- Member of the Department Quality Committee of Accreditation Board for Engineering and Technology (ABET), October 2019.
- Member of the Department Committee of National Commission for Academic Accreditation and Assessment (NCAAA), 2014-18.
- Reviewer in Elsevier Journals such as Molecular Liquids, Chemosphere, Journal of King Saud University-Engineering Sciences, Ain Shams Engineering Journal, Alexandria Engineering Journal, Management of Environmental quality, MDPI Journals- Coatings Processes, Sustainability, Journal of Desalination and water treatment, Nature Journal-Scientific reports, IWA Publications-Water Science and Technology etc.
- Worked in NGO in Aligarh Muslim University, Campus with a vision of creating environmental awareness and care among students and masses (2009-2011).

Recent Development Activities

1. TEQIP-III Sponsored One week Online FDP on “Recent Advances in Civil Engineering” organized by Civil and Environmental Engineering Department, VJTI Mumbai, India, (02-07 June, 2020).
2. Online Faculty development program (FDP) on Green and intelligent buildings Conducted by Ministry of human resources, India. Online (14-18 April, 2020).
3. Workshop on “Advances in Water Resources Engineering and Development”, by Department of Civil Engineering, A.M.U., Aligarh, India (23 February, 2013).
4. Workshop on “Earthquake Related Disaster”, Centre for Disaster Management Studies, by Department of Civil Engineering, A.M.U., Aligarh, India (26 April, 2012).
5. International conference on Emerging Trends in Engineering and Technology 2012 organized by Teerthankar Mahaveer University, Moradabad, India (6-7 April, 2012).
6. National conference on Sustainable Development in India Perspectives, Issues and opportunities, by Al-Barkaat Management Studies, Aligarh, India. (12 March, 2011).
7. International conference on Emerging Technologies for Sustainable Environment, by Department of Civil Engineering A.M.U., Aligarh in collaboration with La Sierra University U.S.A. and Asia Pacific University Thailand. (29-30 October, 2010).
8. International conference on Emerging Technologies in Environmental Science and Engineering organized by Department of Civil Engineering A.M.U. Aligarh in collaboration with University of Toledo Ohio, U.S.A. (26-28 October, 2009).