

## Dr. Tarique Ahmad



**Academic Rank**  
**Assistant Professor**

### Education

- PhD, Environmental Engineering, Jamia Millia Islamia, New Delhi, India (2018).
- M. Tech, Environmental Engineering, Aligarh Muslim University Aligarh, India, (2012).
- B. Tech, Civil Engineering, Aligarh Muslim University, Aligarh, India, (2010).

### Academic Experience

- Jazan University, College of Engineering, Civil Engineering Department, KSA, Assistant Professor, (September 2022 - Till now), Full time.
- Maulana Mukhtar Ahmad Nadvi Technical Campus, Malegaon, Civil Engineering Department, India, Assistant Professor, (October, 2021 – August, 2022), Full time.
- Aligarh Muslim University, Civil Engineering Department, India, Assistant Professor, (February, 2018 – March, 2021), Full time.

### Non-academic Experience

- Rites Limited, Engineer, India, (March, 2012- June 2012), Part time.

### Certifications or Professional Registrations

- International Society for Development and Sustainability (ISDS), Japan, Lifetime Fellow Member

### Honors and Awards

- Excellent Paper Award – 5<sup>th</sup> IconSWM, India, 2015.
- Research Associate Fellowship – Council of Scientific and Industrial Research, India, 2019.

### Recent Publications and Presentations

#### *Journal Papers*

- Tarique Ahmad, Kafeel Ahmad, Mehtab Alam, (2021). Simultaneous modelling of coagulant recovery and reuse by response surface methodology, Journal of Environmental Management, 285 112139.  
<https://doi.org/10.1016/j.jenvman.2021.112139>
- Tarique Ahmad, Kafeel Ahmad, Mehtab Alam, (2018). Investigating calcined filter backwash solids as supplementary cementitious material for recycling in construction practices Construction and Building Materials, 175, 664-671.  
<https://doi.org/10.1016/j.conbuildmat.2018.04.227>
- Tarique Ahmad, Kafeel Ahmad, Mehtab Alam, (2018). Characterization and constructive utilization of sludge produced in clari-flocculation unit of water treatment

plant. *Materials Research Express*, 5(3).

<https://doi.org/10.1088/2053-1591/aab23a>

- Alok Suman, Tarique Ahmad, Kafeel Ahmad, (2018). Dairy wastewater treatment using water treatment sludge as coagulant-A novel treatment approach. *Environment Development and Sustainability*, 20, 1615-1625.  
<https://doi.org/10.1007/s10668-017-9956-2>
- Tarique Ahmad, Kafeel Ahmad, Mehtab Alam, (2017). Sludge quantification at water treatment plant and its management scenario. *Environmental Monitoring and Assessment*, 189: 453. <https://doi.org/10.1007/s10661-017-6166-1>
- T. Ahmad, K. Ahmad, M. Alam, (2016). Sustainable management of water treatment sludge through 3 'R' concept. *Journal of Cleaner Production*, 124, 1-13.  
<http://dx.doi.org/10.1016/j.jclepro.2016.02.073>
- Tarique Ahmad, Kafeel Ahmad, Abdul Ahad, Mehtab Alam, (2016). Characterization of water treatment sludge and its reuse as coagulant *Journal of Environmental Management*. 182, 606-611. <http://dx.doi.org/10.1016/j.jenvman.2016.08.010>
- Nadeem Khalil, Tarique Ahmad, (2016). Quality Assessment of Full-Scale Municipal Wastewater Treatment Plant Consisting UASB Reactors and Polishing Ponds during its Start-up Phase in India. *Current World Environment*, 11(1), 47-55.  
<http://dx.doi.org/10.12944/CWE.11.1.06>
- T. Ahmad, K. Ahmad, M. Alam, (2016). Characterization of Water Treatment Plant's Sludge and its Safe Disposal Options. *Procedia Environmental Sciences*, 35, 950–955.  
<https://doi.org/10.1016/j.proenv.2016.07.088>

#### ***Conference Papers***

- Tarique Ahmad, Abdul Ahad, Kafeel Ahmad, (2019). Regeneration of Alum from Water Treatment Sludge and its Utilization in Purification of Surface Water. Young Scientists' Conference, India International Science Festival, India.
- Saad Moeeni, Tarique Ahmad, Abdul Rehman, (2019). Impact of Coal Mining and Related Industries on Damodar River Water Quality. In *Proceeding: National Conference on Water Resources Management (WRM2019)*, Aligarh Muslim University, India.
- Tarique Ahmad, Abdul Ahad, Kafeel Ahmad, (2018). Utilization of regenerated coagulant from water treatment sludge in purification of surface water. In *Proceeding: International Conference on Sustainable Solutions in Industrial Pollution, Water and Wastewater Treatment*, Aligarh Muslim University, India.
- Tarique Ahmad, Kafeel Ahmad, Mehtab Alam, (2016). Sustainable water treatment with proper sludge management. *National seminar on Environmental Pollution: Join the Race to Make the World a Better Place*, University of Kashmir, India.

#### ***Patents***

- A method for recovery of coagulants from water treatment system (WTS) and reuse of the recovered coagulants for water treatment (2021). Intellectual Property Rights, Australia. Grant No. 2021106024
- Calcined spent filter backwash water solids blended Portland pozzolana cement

(2017). Intellectual Property Rights, India. Grant No. 375981

#### **Research Accounts**

- **Google Scholar :** [https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&user=oSmwxqgAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&user=oSmwxqgAAAJ)
- **Scopus :** <https://www.scopus.com/authid/detail.uri?authorId=57190669288>
- **Research Gate :** <https://www.researchgate.net/profile/Tarique-Ahmad>