

## Dr. Shamshad Alam



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

### Education

- PhD, Geotechnical Engineering, National Institute of Technology Rourkela, India, (2019).
- M. Tech, Geotechnical Engineering, National Institute of Technology Rourkela, India, (2014).
- B. Tech, Civil Engineering, Jamia Millia Islamia, New Delhi, India, (2010).

### Academic Experience

- Jazan University, College of Engineering, Civil Engineering Department, KSA, Assistant Professor, (January 2022 - Till now), Full time.
- Sharda University, Civil Engineering Department, India, Assistant Professor, (July, 2018 – January, 2020), full time.

### Non-academic Experience

- Desein Private Limited, Design Engineer, India, (October, 2010 – July, 2012), full time.

### Certifications or Professional Registrations

- Indian Geotechnical Society (IGS), India, Life Member

### Honors and Awards

- IGS - Young Geotechnical Engineer Biennial Award, 2019
- IGS - Young Geotechnical Engineer Biennial Award - 2020

### Recent Publications and Presentations

#### *Journal Papers*

- Landslide susceptibility assessment in the Himalayan range based along Kasauli – Parwanoo road corridor using weight of evidence, information value, and frequency ratio (2022), Abdullah H. Alsabhan, Kanwarpreet Singh, Abhishek Sharma, Shamshad Alam, Desh Deepak Pandey, Shamshad Alam S. Rahman, Anwar Khursheed, Faris M. Munshi, Journal of King Saud University – Science. <https://doi.org/10.1016/j.jksus.2021.101759>
- A comparative study between strength and durability of bentonite and natural gum stabilized sand (2021), Shamshad Alam, Assefa Weldu Gebremedhin, Hika Wachila Atomsa, Afzal Husain Khan, Geomechanics and Geoengineering. <https://doi.org/10.1080/17486025.2021.1961026>
- Strength and durability of self-curing concrete developed using calcium lignosulfonate (2021), Rayees Ali Khan, Chhavi Gupta, Shamshad Alam, Journal of King Saud University – Engineering Science (In Press). <https://doi.org/10.1016/j.jksues.2021.02.002>
- Application of advanced oxidation process followed by different treatment technologies for hospital wastewater treatment (2020), Khan, A. H., Khan, N. A., Ahmad, S., Dhingra, A., Singh, C. P., Khan, S.U., Mohammadi, A. A., Changani, F., Yousefi, M., Shamshad

Alam, Vambol, S., Vambol, V., Khursheed A., Ali, I., 2020, Journal of Cleaner Production (Elsevier), 269. <https://doi.org/10.1016/j.jclepro.2020.122411>

- Strength and durability characteristic of alkali activated GGBS stabilized red mud as geomaterial (2019), Shamshad Alam, Sarat Kumar Das, and B. Hanumantha Rao, Construction and Building Materials (Elsevier), 211, pp. 932-942. <https://doi.org/10.1016/j.conbuildmat.2019.03.261>
- Dispersion and sedimentation characteristic of red mud (2018), Shamshad Alam, Bijaya Kumar Das, and Sarat Kumar Das, Journal of Hazardous, Toxic and Radioactive Waste (ASCE), 22(4). [https://doi.org/10.1061/\(ASCE\)HZ.2153-5515.0000420](https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000420)
- Characterization of coarse fraction of red mud as a civil engineering construction materials (2017), Shamshad Alam, Sarat Kumar Das, and B. Hanumantha Rao, Journal of Cleaner Production (Elsevier), 168, pp. 679-691. <https://doi.org/10.1016/j.jclepro.2017.08.210>

#### **Conference Papers**

- Stabilization of red mud using low ash coal fly ash (2017), Shamshad Alam, Sarat Kumar Das, and B. Hanumantha Rao. In: Proceeding of Indian Geotechnical Conference, IIT Guwahati, India.
- Hydraulic characteristics of red mud (2017), Shamshad Alam, Sarat Kumar Das, and B. Hanumantha Rao. In: Proceeding of Indian Young Geotechnical Engineering Conference, NIT Trichy, India.

#### **Book Chapter**

- Sulfate Resistant Mortar Using Coarse Fraction of Red Mud as Fine Aggregate (2022), Anshumali Mishra, Bajaya K. Das, Shamshad Alam, Sarat Kumar Das, Advances in Sustainable Materials and Resilient Infrastructure, pp. 265-278. [https://doi.org/10.1007/978-981-16-9744-9\\_18](https://doi.org/10.1007/978-981-16-9744-9_18)
- Characterization and an overview of utilization and neutralization for efficient management of bauxite residue for sustainable environment (2021), Shamshad Alam, Surabhi Jain, Sarat Kumar Das, Building Materials for Sustainable and Ecological Environment , pp. 25-47. [https://doi.org/10.1007/978-981-16-1706-5\\_3](https://doi.org/10.1007/978-981-16-1706-5_3)
- Stabilization of dispersive soil using biopolymer Kajal Swain (2017), Mahashakti Mahamaya, Shamshad Alam, Sarat Kumar Das. Sustainable Civil Infrastructures, pp. 132-147. [https://doi.org/10.1007/978-3-319-61612-4\\_11](https://doi.org/10.1007/978-3-319-61612-4_11)

#### **Research Accounts**

- **Google Scholar :** [https://scholar.google.com/citations?hl=en&user=OSnEA6oAAAAJ&view\\_op=list\\_works](https://scholar.google.com/citations?hl=en&user=OSnEA6oAAAAJ&view_op=list_works)
- **Scopus :** <https://www.scopus.com/authid/detail.uri?authorId=57195628948>
- **Research Gate :** <https://www.researchgate.net/profile/Shamshad-Alam-9>