



Dr. Sabreena Mohammad

Driven and ambitious researcher (Civil Engineering) actively engaged in the in-depth study of Geotechnical Engineering - (Ground improvement/Geosynthetic engineering).

A passionate and articulate professional, adept at fostering effective communication and demonstrating exceptional leadership abilities.

EXPERIENCE

Assistant professor (Contractual) – Institute of Technology

📍 Zakura Campus, University of Kashmir (Current)

Assistant professor (Guest) – Department of Civil Engineering

National Institute of Technology Srinagar

📍 Hazratbal, Srinagar, J&K, India (2024)

Courses: Geotechnical Engineering, Engineering Mechanics, Engineering Drawing, Geotechnical Engineering Lab.

EDUCATION

Geotechnical Engineering | Ph.D.

National Institute of Technology Srinagar

📅 2017-2024 📍 Hazratbal, Srinagar, J&K, India

- **Conducted extensive laboratory soil testing**, resulting in completing a comprehensive geotechnical research project- Experimental study to evaluate the behavior of ordinary and encased stone column-treated marginal soil. Completed coursework in geotechnical principles and practices, gaining a thorough understanding of ground improvement, foundation engineering, slope stability, and soil mechanics
- **Assisted undergraduate and master's research projects**

Geotechnical Engineering | M. Tech.

Sharda University (CGPA - 9.25)

📅 2015-2017 📍 Greater Noida, UP, India

Civil Engineering | B. Tech.

Islamic University of Science and Technology (CGPA - 8.99)

📅 2011-2015 📍 Awantipora, J&K, India

PUBLICATIONS

Comparative Performance Evaluation of Ordinary and Encased Granular Columns Subjected to Lateral Shear

Transportation Infrastructure Geotechnology, 2023- Springer

📅 05/2023 <https://link.springer.com/article/10.1007/s40515-023-00310-5>

Strength behaviour of granular column-reinforced soft soil subjected to lateral shear loading

Indian Geotechnical Journal, 2022 - Springer

📅 08/2022 <https://link.springer.com/article/10.1007/s40098-022-00652-w>

Geotechnical characterization of dredged material and effect of lime stabilization on its strength characteristics

Applied Mechanics and Materials, Trans Tech Publications, Switzerland

📅 02/2018 <https://www.scientific.net/AMM.877.289>

Effect of random inclusion of jute fibers on strength characteristics of lime treated expansive soil

International Journal of Innovative Research in Science and Engineering, 2017

📅 04/2017 ISSN [O]2454-9665, ISSN [P] 2455-0663

Analysis of Geo-Engineering Characteristics of Lime Treated Marginal Soil Reinforced with Jute Fibre

Test Engineering and Management, 2020

📅 04/2020 ISSN: 0193-4120

CONFERENCE PAPERS

Geo-engineering characteristics of lime treated dredged sediments from Dal lake Srinagar

International Journal of Advance Research in Science and Engineering, 2018

📅 03/2018

ISSN: 2319-8354

Fibre reinforcement of sandy soils

International Journal of Advance Research in Science and Engineering, 2017

📅 04/2017

ISSN [0]2319-8354, ISSN [P] 2319-8346

Behavior of soft soil reinforced with ordinary and encased granular columns

Indian Geotechnical Conference 2023

📅 12/2023

Encased Granular Column as an Advancement over Ordinary Granular Column-A Brief Review

Indian Geotechnical Conference 2020

📅 12/2020

Geotechnical characterization of dredged material and effect of lime stabilization on its strength characteristics

International Conference on Recent Advance in Materials, Mechanical and Civil Engineering ICRAMMCE-2017

📅 06/2017

AWARDS

GATE-2021

NCBGATE Dept. of Higher Edu MoE

📅 05/2021

Best Paper Award Date: 2017-04-12

International conference on emerging trends in engineering, technology, science and management

📅 04/2017

First position in Masters of Technology in Civil Engineering Sharda University

📅 2017

Dean's list of meritorious students

Sharda University

📅 2016

REFERENCES

Prof. B. A. Mir

Professor, National Institute of Technology, Srinagar

p7mir@nitsri.net

Dr. Falaq Zahoor

Assistant Professor, National Institute of Technology, Srinagar

falaqzahoor@gmail.com

**PERSONAL
DETAILS**

Address for correspondence : Wahidpora Ganderbal J&K, India
Languages Known : English, Hindi, Kashmiri and Urdu
Email Id : Sabreenamuhammad7@gmail.com

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Dr. Sabreena Mohammad