



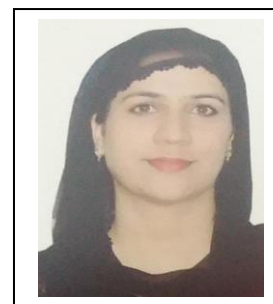
Dr. NAHIDA NISAR

Chinar Colony, Kanipora, Nowgam, Srinagar, 190015

 nahida_44phd15@nitsri.ac.in; nahidanaik99@gmail.com

 +919797743100

 0000-0002-1914-4069



EDUCATION

Ph. D

Specialization: Structural Engineering.

National Institute of Technology, Srinagar

2015-2022

M.Tech

Specialization: Structural Engineering.

Guru Nanak Dev Engineering College, Ludhiana

2012-2014

B.Tech

Specialization: Civil Engineering

Baba Ghulam Shah Badshah University, Rajouri

2008-2012

KEY SKILLS

- MS Office
- AutoCAD
- IBM SPSS Software
- OriginPro
- MATLAB
- Golden Software - SURFER
- SigmaPlot

PROJECTS

- **M.Tech**

Determination of critical moisture content for carbonation of Rice Husk Ash concrete

The aim was to determine the effect of humidity and different percentages of CO₂ on carbonation depth of concrete. In addition, the incorporation of Rice Husk Ash on carbonation of concrete was studied.

Ph. D.

Effect of coupled deterioration by freeze-thaw, carbonation and chlorides on reinforced concrete with green corrosion inhibitors

The study aims at evaluating the effect of coupled action of freeze-thaw, and chloride ion ingress on corrosion phenomena and consequently the service life of reinforced concrete. In addition, the inhibition efficiency of watermelon rind extract on Fe-415 steel in 1M hydrochloric acid and 0.5M trichloroacetic acid was studied by weight loss method, potentiodynamic polarization and linear polarization resistance measurements and scanning electron microscopy.

AREAS OF EXPERTISE

- Structural Engineering
- Advanced Concrete Technology
- Civil Engineering Materials and Testing

EXPERIENCE

- Currently working as Lecturer (Contractual) in Institute of Technology, *University of Kashmir Srinagar*, J&K, India.
- Worked as Assistant Professor in Islamic University of Science and Technology from March 2015 to August 2015.
- Worked as Teaching Assistant in Guru Nanak Dev Engineering College from June 2013 to June 2014.

LANGUAGES

- Read & write – English and Urdu
- Read – Kashmiri

ACTIVITIES

- **Training programmes:**
 1. Construction of Expressway Corridor (flyover) from Jehangir Chowk to Rambagh, Srinagar.
- **Conferences:**
 1. Proceedings of National Conference “GEPSID”, GNDEC Ludhiana – 2014.
 2. 13th session of J&K Science Congress, University of Kashmir - 2018.
- **Workshops:**
 1. International workshop on Reinforced Soil and Geotechnical Engineering, 2012, GNDEC, Ludhiana.

2. Introduction and Basics of Programming Skills using MATLAB and PYTHON, 2019, NIT Srinagar.
3. Flood Management with Focus on Jhelum Basin, 2019, NIT Srinagar.
4. Protecting IP rights of indigenous knowledge holders, 2024, Kashmir University.

- **Short-term courses:**

AICTE recognized short term course on E-governance in Technical Institutions through ICT conducted by Entrepreneurship Development and Industrial Coordination Department from 27-07-2015 to 31-07-2015 at IUST, Awantipora, Pulwama.

PUBLICATIONS

Research Papers

- Nisar, N. and Bhat, J. A. (2021), “**Effect of Rice Husk Ash on carbonation depth of concrete under different curing ages and humidity levels**”, Journal of Materials in Civil Engineering. 33(1): 1-5.
- Nisar, N. and Bhat, J.A. (2020), “**Experimental Investigation of Rice Husk Ash on compressive strength, carbonation and corrosion resistance of reinforced concrete**”, Australian Journal of Civil Engineering. 12(1): 1-9.
- Nisar, N. and Bhat, J.A. (2021), “**Effect of coupled deterioration mechanisms on corrosion of steel reinforcement: The role of chloride ion ingress, freeze-thaw cycles and green corrosion inhibitor**”, Journal of Bio and Tribo Corrosion. 7(129): 1-9.
- Nisar, N. and Bhat, J.A. (2020), “**Corrosion inhibition of Fe-415 steel by watermelon rind extract as a green corrosion inhibitor in 1M hydrochloric acid and 0.5M trichloroacetic acid**”, Journal of Corrosion Science and Engineering. 23(13): 28-39.

PERSONAL DETAILS

- Date of Birth : 01/03/1991
- Nationality : INDIAN

REFERENCES

1. **Prof. Javed Ahmad Bhat**
Professor (Civil Engineering)
National Institute of Technology, Srinagar.
Email: bhat_javed@nitsri.ac.in
Cell: +91 9419520381, 7006843636
2. **Assistant Prof. Asif H. Shah**
Assistant Professor (Civil Engineering)
Central University of Kashmir, Ganderbal
Email: asif.shah@cukashmir.ac.in
Cell: +91 8265999750