

MOHIT RAJA SRIVASTAVA

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EDUCATION

Masters of Science (MS)

June 2021

Oregon State University

Wood Science and Civil Engineering (Structures)

Bachelors of Technology (B. Tech)

August 2015 – May 2019

Sharda University, Civil Engineering (Hons)

Lateral Entry, GPA 8.729

WORK EXPERIENCE

Graduate Research Assistant, Oregon State University.

September 2019- Present

- Investigating interface shear properties of a composite floor system consisting of mass plywood panels and reinforced concrete.

Summer Intern, Maharashtra Metro Rail Corporation Limited

June – July 2018

- Worked on construction of open and pill foundation, pier, pier cap, and segment, segment launching and stressing.

Secretary for ASCE SEI Student Chapter

October 2019- Present

- Organizing field trip, speaker meeting, and coordinating with different student chapter

RESEARCH EXPERIENCE

Bachelors Dissertation

Greenhouse Gas Emission from Institutional Area: A Case Study of Sharda University.

- Identifying major sources of GHG & Estimation of CO₂ emission/student/day

Honors Projects

- Development of algorithm for Crops Identification using satellite imagery
- Urban Heat Island Analysis of National Capital Region, Delhi Using the Land Surface Temperature as derived from Landsat TM Data
- Effect of potassium carbonate as chemical admixture on the hydration of Portland Cement
- Comparing the compressive strength of concrete by CTM and Rebound Hammer

Voluntary Experience

Dye-sensitized solar cell using TiO₂ aerogel electrode and Solid Polymer-Ionic liquid electrolyte

PUBLICATION

Satyaprakash, Saini S., **Srivastava M.R.**, Anjum F. Replacement of water with used engine coolant and its effect on the mechanical properties of hardened concrete, Materials Today: Proceedings, 2020, ISSN 2214-7853

Srivastava M.R., Rajoria N.K. Effect of Potassium Carbonate on the Hydration of Cement. Poster presented at: 2nd International Conference on Science and Engineering of Materials; 2018 Jan 6-8; Greater Noida, India

Satyaprakash, Saini S., **Srivastava M.R.**, Anjum F. Hardened concrete properties with replacement of water with used Engine Coolant. Poster presented at 3rd International Conference on Science and Engineering of Materials; 2019

TECHNICAL SKILLS

AutoCAD, Revit, ArcGIS, ERDAS Imagine, QGIS, Python, and SAP

LinkedIn: [linkedin.com/in/mohit-raja-srivastava/](https://www.linkedin.com/in/mohit-raja-srivastava/)

Authorized to work in U.S.