

Academic Qualification

- 07/2018** **PhD in Building Technology and Construction Management, Civil Engineering**
Indian Institute of Technology (IIT) Madras, Tamil Nadu, India.
Dissertation: *Influence of treatment methods on the performance of excavation soil as fine aggregate in mortar*
- 08/2013** **M.S. (By Research) in Structural and Geotechnical Engineering, Civil Engineering**
Vellore Institute of Technology (VIT) Vellore, Tamil Nadu, India
Thesis: *Experimental investigations on fly ash and bottom ash aggregates in lightweight concrete*
- 05/2007** **Bachelor of Engineering, Civil Engineering**
Anna University, Tamil Nadu, India.

Fellowships

- 09/2020 – 08/2022** Marie-Curie individual fellowship, European Union
- 08/2018 – till date** Post-doctoral research fellowship, University of Oulu, Finland
- 05/2018 – 07/2018** Pre-doctoral fellowship, Indian Institute of Technology Madras, India
- 01/2014 – 05/2018** MHRD fellowship from Indian Government
- 08/2009 – 02/2012** Institute fellowship, Vellore Institute of Technology, Vellore, India

Awards and distinctions

- 2018** **Institute Research Award**, for the quality and quantity of work done in doctoral thesis at IITMadras.
- 2017** **Best Paper Award** for the research paper based on PhD work in the “International Conference on Solid Waste Technology and Management (ICSW)” at Philadelphia, USA.
- 2007** Academic excellence **Gold Medal** for the best outgoing undergraduate student.
- 2004** **Young Scientist Award** for the research article on “Conservation of Marine Bio-sphere in Gulf of Mannar” in a state level competition organized by Oscar Foundation and Research, an NGO.
- 2003** Certificate of Merit for securing **District Third** in High School Public Exams.
- 2001** Certificate of Merit for securing **District First** in Secondary School Public Exams.

Professional History

- 08/2018 - till date** **Post-Doctoral Research Fellow**
University of Oulu, Finland
- 05/2018 – 07/2018** **Pre-Doctoral Research Fellow**
Building Technology Division, Indian Institute of Technology (IIT) Madras, India.
- 01/2014 - 05/2018** **Doctoral Researcher**
Building Technology Division, Indian Institute of Technology (IIT) Madras, India.
- 02/2012 - 01/2014** **Maternity Break**
- 08/2009 - 02/2012** **Graduate Researcher**
Department of Civil Engineering, VIT, India.

07/2007 - Assistant System Engineer
07/2009 TATA consultancy Ltd., Chennai, Tamil Nadu, India.

Selected Publications

Scopus ID: 56884764000

Orchid ID: 0000-0002-7731-2016

ResearchGate: Priyadharshini Perumal

Google Scholar: Priyadharshini Perumal

1. **Priyadharshini, P.**, Piekkari, K., Sreenivasan, H., Kinnunen, P., Illikainen, M. (2019). One-part geopolymers from mining residues – Effect of thermal treatment on three different tailings. *Minerals Engineering*, 144, 106026, Elsevier. [IF: 3.3]
2. **Priyadharshini, P.**, Ph, D., Ramamurthy, K., Ph, D., Asce, M., Robinson, R.G., Ph, D. (2019). “Influence of Temperature and Duration of Thermal Treatment on Properties of Excavated Soil as Fine Aggregate in Cement Mortar.” *Journal of Materials in Civil Engineering*, 31 (8): 04019137 – 10, ASCE. [IF: 1.98]
3. **Priyadharshini, P.**, Ramamurthy, K., & Robinson, R. G. (2018) “Performance of dry-sieved and stabilized soil as fine aggregate in cement mortar.” *Construction and Building Materials*, Elsevier. [IF: 3.5]
4. **Priyadharshini, P.**, Ramamurthy, K., Robinson, R. G. (2018) “Sustainable reuse of excavation soil in cementitious composites.” *Journal of Cleaner Production*, 176, 999 – 1011, Elsevier. [IF: 5.7]
5. **Priyadharshini, P.**, Ramamurthy, K., Robinson, R. G. (2017). “Excavated soil waste as fine aggregate in fly ash based geopolymer mortar.” *Applied Clay Science*, 146, 81–91, Elsevier. [IF: 3.1]

Reviewer in Journals

Materials , Minerals – MDPI Publications

Journal of Cleaner Production, Energy Ecology and Environment– Elsevier Publications

Waste and Biomass Valorization, Journal of the Institution of Engineers (India): Series A (Civil, Architectural, Environmental and Agricultural Engineering) – Springer Publications

Skillset Summary

Micro-Analytical Skills: Scanning Electron Microscopy (SEM), X-Ray diffraction spectroscopy (XRD), Infrared Spectroscopy (IR), Thermal analysis (TGA/DSC), Mercury Intrusion Porosimetry (MIP), Adiabatic calorimetry

Software Skills: Design Expert, Origin Pro, FORTRAN, STAAD.Pro, AutoCAD, Archi CAD, MS Office

Linguistic Skills: English, Tamil