

# Dhanalakshmi Padmaraj

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## Summary

Strong research professional pursuing Ph.D. in Geotechnical and Geoenvironmental Engineering from Indian Institute of Technology, Madras. Conducts research on the durability of lime-soil composites by considering the inherent clay chemistry.

- Skilled in microstructure and physiochemical characterization of geomaterials
- Hands on experience in advanced characterization tools like TGA, XRD, TEM, SEM, MIP and AAS.
- Handles overall responsibility of organizing technical activities within geo-environmental lab at IIT Madras.

## Experience



### Teaching Assistant

Indian Institute of Technology, Madras

Jul 2017 - Present (3 years 6 months +)



### Teaching Assistant

National Institute of Technology Calicut

Jul 2015 - Jun 2017 (2 years)



### Summer Intern

Geostructurals (P) Ltd

Jun 2016 - Jul 2016 (2 months)



### Summer Intern

hi-lite Builders Pvt. Ltd

Jun 2014 - Jul 2014 (2 months)

## Education



### Indian Institute of Technology, Madras

Ph.D, Geotechnical and Geoenvironmental Engineering

2017 - 2022



### National Institute of Technology Calicut

Master of Technology (M.Tech.), Environmental Geotechnology

2015 - 2017

Topper of Civil Engineering Dept., M.Tech Batch (2015-2017).



### **Government Engineering College, Thrissur**

Bachelor of Technology (B.Tech.), Civil Engineering

2011 - 2015



### **Vedavyasa Vidyalayam, Malapparambu**

AISSCE, Physics. Chemistry. Maths .Biology

2009 - 2011



### **St. Alphonsa School, Thamarassery**

AISSE, High School/Secondary Certificate Programs

1997 - 2009

## **Licenses & Certifications**

 **Mechanics of Unsaturated Soils** - Global Initiative of Academic Networks (GIAN)



**EXCEL/VBA for Creative Problem Solving** - Coursera

M9XFZ2TRCPSL

## **Honors & Awards**



**Best Paper Award- Sixth Young Indian Geotechnical Engineers Conference -**

National Institute of Technology, Trichy & Indian Geotechnical Society Trichy Chapter.

Mar 2017



**0.1 % Certificate for AISSE Examination.** - Central Board of Secondary Education

May 2009



**Gold Medalist in M.Tech** - National Institute of Technology, Calicut

Sep 2017



**HTRA Ph.D Fellowship** - Ministry of Education, India

Jul 2017