



Pausali Pradhan

MS Research Scholar, Environmental Engineering, IIT Madras

ppausali@gmail.com

+91 8480342535

ppausali.wordpress.com

linkedin.com/in/pausali-pradhan-9b8827187

Hosting a strong belief in the path of learning, I focus on pursuing an undertaken task in my sphere of interest with sheer determination to get an enhanced experience of knowledge and a fruitful technical exposure.

EDUCATION

MS Research, Environmental Engineering - Present
Indian Institute of Technology, Madras

B-Tech in Civil Engineering - 2020
National Institute of Technology, Rourkela
CGPA : 9.41/10

Schooling (10th - 2014) and Intermediate (Science - 2016)
D.A.V Public School, Unit-8, Bhubaneswar
*CGPA : 10/10 - 10th board ;
Percentage 96.4 - intermediate*

INDUSTRIAL EXPERIENCE

GRADUATE ENGINEER TRAINEE at TATA Projects Ltd.(Marine Execution Department, Mumbai Trans Harbour Link project) - 11/2020 - 10/2021

RESEARCH EXPERIENCE

Enzymatic Stabilization of Red-mud using TerraZyme
NIT Rourkela, India
08/2019 - 05/2020

Tasks

- The experimental work involved improving the geo-technical properties of red mud by using optimum dosage of TerraZyme.

Modification of Thermal Properties of Bentonite using sand and carbon materials
York University, Toronto, Canada
05/2019 - 07/2019

Tasks

- Aiming at improving the heat dissipation of bentonite when used for sealing underground nuclear repositories, the thermal properties of compacted bentonite samples were measured and the variation of the properties in samples modified with sand and carbon fibers were studied.

The use of bio-enzymes in soil stabilization.
IIT Bhubaneswar, India
12/2019

Tasks

- The research encircled determination of Unconfined Compressive Strength of kaolinic clay samples modified with bioenzymes.

Effect of carbon dioxide on compressibility of pore-fluid in soil
IIT Kharagpur, India
05/2018 - 06/2018

Tasks

- The research work involved studying the effect of pH, salt and bio-polymer concentration on pore-fluid compressibility due to carbon dioxide evolved by bacterial population hosted in sand matrix.

TECHNICAL KNOW-HOW

AutoCAD

STAADPro

Revit

MS Word

MS Excel

MS Powerpoint

Grapher 11

BIM Fundamentals

ACHIEVEMENTS

MITACS Summer Research Scholarship (2019)

Indian Academy of Sciences (IAS) Research Fellowship. (2018)

Academic Excellence for AISSCE Zonal Ranking- Third. (2016)

Rajya Puraskar Awardee (Odisha state, Bharat Scouts and Guides) (2014)

EXTRA-CURRICULAR ACTIVITIES

D361- Official Magazine of NIT Rourkela
Content Head

Hourglass, Official Public Speaking Club of NIT Rourkela
Public Speaker

Toastmasters International, NIT Rourkela Chapter
Vice-President (Education), Vice-President (Public Relations)

NITR IMUNC -2018
Under Secretary General (Content)

Student Counselling Programme, NIT-Rourkela
Mentor

INTERESTS

Public Speaking

Anchoring

Blogging

Poetry

Reading

Management

Traveling