

# CHARACTERIZATION OF BIO-CLAY

A project work Submitted to

**FATIMA COLLEGE (AUTONOMOUS)**

(Affiliated to **MADURAI KAMARAJ UNIVERSITY**, Madurai)

To partial fulfillment of the requirements for the award of the degree

**MASTER OF SCIENCE IN PHYSICS**

Submitted by

**R. DEEPIKA (Reg.No.2019MSCPO4)**

External Guide

Internal Guide

**Dr. S. RAJENDRAN**

Head and Coordinator,  
Division of Rural Biotechnology,  
Department of Botany  
Saraswathi Narayanan College,  
Madurai -625022

**Dr. G. JENITA RANI**

Assistant Professor,  
Research Centre of physics,  
Fatima College,  
Madurai- 625001



**FATIMA COLLEGE (AUTONOMOUS)**

(RE-ACCREDITED WITH 'A' GRADE BY NAAC)

(74<sup>th</sup> Rank in India Ranking 2020 (NIRF) by MHRD)

Mary Land

MADURAI – 625 018

**MARCH 2021**



## **BONAFIDE CERTIFICATE**


This is certify that this project work entitled **“CHARACTERIZATION OF BIO-CLAY”** submitted in partial fulfillment of the requirements for the Degree of Master of Science in Physics, is a bonafide record of the work done by **R. DEEPIKA** under the guidance of **Dr. JENITA RANI M.Sc., M. Phil., Ph. D.** Assistant Professor, Research Centre of Physics, Fatima College (Autonomous), Madurai and **Dr. S. RAJENDRAN**, Associate Professor, **Division of Rural biotechnology**, Department of Botany, Saraswathi Narayanan College, Madurai during 2020-2021.

  
**Dr. S. Rajendran**

Associate Professor,  
Division of Rural biotechnology  
Department of Botany,  
Saraswathi Narayanan College,  
Madurai.

  
**Dr. Jenita Rani**

Assistant Professor,  
Research Center of Physics,  
Fatima College,  
Madurai.

  
**Dr. A. SHEELA VIMALA RANI**  
Head, Research Centre of physics,  
Fatima College,  
Madurai



## DECLARATION

I hereby declare that the project report entitled **"CHARACTERIZATION OF BIO-CLAY"** submitted by me to Fatima College (Autonomous), Madurai-625018 for the award of the Degree of Master of Science in Physics is the record of original project work carried out in the Division of Rural biotechnology, Saraswathi Narayanan College, Madurai under the supervision of **Dr. Jenita Rani M.Sc., M.Phil., Ph.D.** Assistant professor, Research Centre of Physics, Fatima College (Autonomous), Madurai and **Dr. S. Rajendran**, Associate Professor, Division of Rural biotechnology, Department of Botany, Saraswathi Narayanan College, Madurai and has not formed the basis for the award of any other degree.



**R. DEEPIKA**

Place: Madurai

Date: 30.03.2021

Reg.no:2019MSCP04

