

**CHARACTERIZATION OF POLYMER ELECTROLYTE BASED ON
POLYVINYL ALCOHOL (PVA) AND LOTUS LEAF POWDER DOPED
WITH SODIUM CHLORIDE**

A dissertation 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

S.SHEEBA JESIN MERCY (Reg.No.2019MSCP21)

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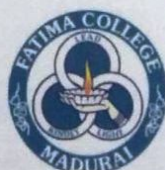
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FATIMA COLLEGE (AUTONOMOUS)

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

(74th Rank in India Ranking 2020 (NIRF) by MHRD)

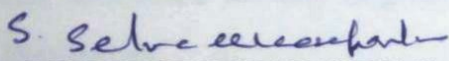
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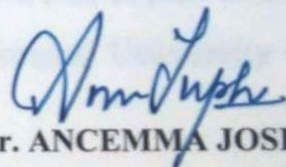
MARCH 2021

BONAFIDE CERTIFICATE

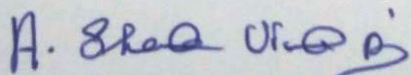
This is to certify that this project work entitled "**CHARACTERIZATION OF POLYMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL (PVA) AND LOTUS LEAF POWDER DOPED WITH SODIUM CHLORIDE**" submitted in partial fulfilment of the requirements for the Degree of Master of Science in Physics, is a bonafide record of the work done by **S.SHEEBA JESIN MERCY** under the guidance of **Dr. ANCEMMA JOSEPH** Assistant Professor, Research centre of physics, Fatima College,(Autonomous), Madurai and **Dr.S.SELVASEKARAPANDIAN**, Director, Materials Research center (Madurai branch) Madurai during 2020-2021.


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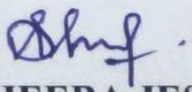

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DECLARATION

I hereby declare that the project report entitled “**CHARACTERIZATION OF PROTON CONDUCTING POLYMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL AND LOTUS LEAF POWDER DOPED WITH AMMONIUM NITRATE**” 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 under the supervision of **Dr. S. ELVASEKARAPANDIAN**, The Director, Materials Research Center, Madurai and **Dr. ANCEMMA JOSEPH**, Associate professor, Research Center of Physics, Fatima college(Autonomous), Madurai. I also hereby declare that this work, in part or full, has not been submitted for any degree or diploma of Madurai Kamaraj University or any other Institution.

Place: Madurai
Date: 27.03.2021


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