CHARACTERIZATION OF POLYMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL (PVA) AND LOTUS LEAF POWDER DOPED WITH AMMONUM NITRATE

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

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

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

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MADURAI - 625 018

MARCH 2021

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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 AMMONIUM NITRATE "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 N.SWEATHA 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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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 AMMONUIM 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. Ancemma joseph, Associate Madurai professor, Research of Physics, Fatima college(Autonomous), Center Dr.S.Selvasekarapandian, Materials Research center, Madurai branch, 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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