

**BLEND POLYMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL  
(PVA) AND NELUMBO NUCIFERA (LOTUS LEAF) WITH MAGNESIUM  
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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**FATIMA COLLEGE (AUTONOMOUS)**

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

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

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MADURAI – 625 018

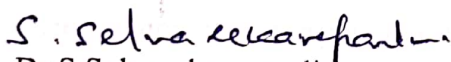
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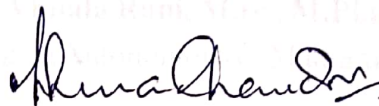
## BONAFIDE CERTIFICATE

### ACKNOWLEDGEMENT

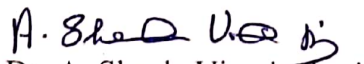
This is to certify that this project work entitled "CHARACTERIZATION OF POLYMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL AND NELUMBO NUCIFERA DOPED WITH MAGNESIUM NITRATE" submitted in partial fulfilment of the requirements for the Degree of Master of Science in Physics, is a bonafide record of the work done by **A.MONICA** under the guidance of **Dr. M. V. Leena Chandra**, M.Sc., M.Phil., Ph.D., The Research Centre of Physics, Fatima college (Autonomous), Madurai and **Dr. S. Selvasekarapandian**, Director, Materials Research Centre, Madurai branch, Madurai during 2020-2021.

  
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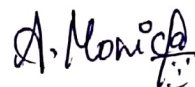


### DECLARATION

I hereby declare that the project entitled **CHARACTERIZATION OF POLMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL AND NELUMBO NUCIFERA DOPED WITH MAGNESIUM 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 in the Materials Research Centre, Madurai under the supervision of **Dr. M. V. Leena Chandra** M.Sc., M.Phil., Ph.D., The Research Centre of Physics, Fatima College(Autonomous), Madurai and **Dr.S.Selvasekarapandian**, Director, Materials Research Centre, Madurai branch, Madurai and has not formed the thesis for the award of any other degree.

Place: Madurai

Date: 30/03/2021



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