

**BLEND POLYMER ELECTROLYTE BASED ON POLYVINYL  
ALCOHOL (PVA) AND NELUMBO NUCIFERA (LOTUS LEAF  
POWDER) WITH SODIUM PERCHLORATE**

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

**B.HARISHMA (Reg.No.2019MSCP07)**

External Guide

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Internal Guide

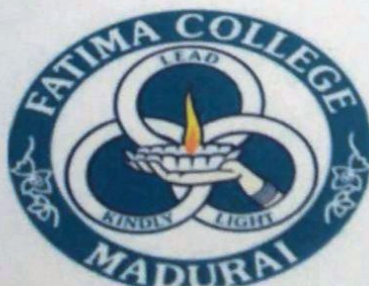
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**FATIMA COLLEGE (AUTONOMOUS)**

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

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

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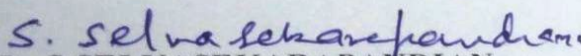
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**MARCH-2021**

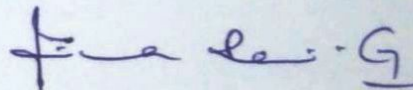


## BONAFIDE CERTIFICATE

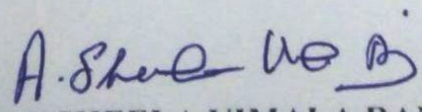
This is to certify that this project work entitled **“BLEND POLYMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL (PVA) AND NELUMBO NUCIFERA (LOTUS LEAF POWDER) WITH SODIUM PERCHLORATE** “submitted in partial fulfilment of the requirements for the Degree of Master of Science in Physics, is a bonafide record of the work done by **B. HARISHMA** under the guidance of **DR.G.JENITA RANI**, Assistant Professor, Research center of physics, Fatima College,(Autonomous), Madurai and **DR.S.SELVASEKARAPANDIYAN**, Director materials Research center(Madurai branch) Madurai during 2020-2021.

  
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## DECLARATION

### ACKNOWLEDGEMENT

I hereby declare that the project report entitled “ **BLEND POLYMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL (PVA) AND NELUMBO NUCIFERA (LOTUS LEAF POWDER) WITH SODIUM PERCHLORATE**” 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.G.JENITA RANI**, Assistant Professor, Research center of physics, Fatima College,(Autonomous), Madurai and **DR.S.SELVASEKARAPANDIAN**, Director materials Research center(Madurai branch) Madurai and has not submitted for any degree or diploma of Madurai Kamaraj University or any Institution.

B. Harishma

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(Reg.no.2019MSCP07)

Place: Madurai

Date: 27-08-2021