

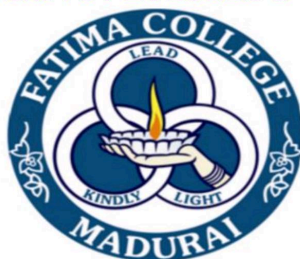
**CATIONIC SURFACTANT ASSISTED SYNTHESIS, PHYSIOCHEMICAL
CHARACTERIZATION OF ZINC OXIDE NANOPARTICLES
AND ITS ANTIBACTERIAL ACTIVITY**

*A project report submitted for partial fulfillment of the
requirements for the degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

K. SUREKA
(REG.NO: 2019MSCC27)



FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with 'A' Grade by NAAC (3rd Cycle)

College with potential for Excellence (2004-2019)

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

DEPARTMENT OF CHEMISTRY

**Mary Land,
Madurai - 625 018.**

Under the guidance of

Dr. J. JEYASUNDARI

Assistant professor, PG & Research Department of chemistry,



N.M.S.S. VELLAICHAMY NADAR COLLEGE

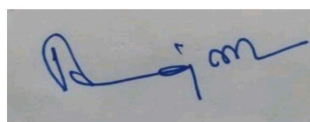
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April - 2021

BONAFIDE CERTIFICATE

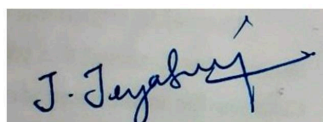
This is to certify that the thesis entitled "**CATIONIC SURFACTANT ASSISTED SYNTHESIS, PHYSIOCHEMICAL CHARACTERIZATION OF ZINCOXIDE NANOPARTICLES AND ITS ANTIBACTERIAL ACTIVITY**" submitted to Fatima college, Madurai-625018 in partial fulfillment for the degree of Master of Science in Chemistry is a bonafide record of research work carried out by **Ms. K.SUREKA (Reg.no: 2019MSCC27)** under the guidance of Dr. J.JEYASUNDARI, Assistant professor, PG & Research Department of chemistry, N.M.S.S. Vellaichamy Nadar college, Madurai-625019 in the academic year 2020-2021.



INTERNAL GUIDE

Dr. A. Rajeswari M.Sc.,M.Phil.,Ph.D

Assistant professor,
Department of Chemistry,
Fatima College,
Madurai-625018.



EXTERNAL GUIDE

Dr. J. Jeyasundari M.Sc.,M.Phil.,Ph.D

Assistant professor,
PG & Research Department of Chemistry,
N.M.S.S.V.N. College,
Madurai-625019.



HEAD OF THE DEPARTMENT

Dr. B. Medona M.Sc., Ph.D

Head & Associate professor,
Department of Chemistry,
Fatima College,
Madurai-625018.

EXTERNAL EXAMINER

DECLARATION

I do hereby declare that this "**CATIONIC SURFACTANT ASSISTED SYNTHESIS, PHYSIOCHEMICAL CHARACTERIZATION OF ZINCOXIDE NANOPARTICLES AND ITS ANTIBACTERIAL ACTIVITY**" presented in this report has been carried out by me under the supervision of Dr. A. RAJESWARI, Assistant professor, Department of chemistry, Fatima college (autonomous), Madurai. The work presented here is in original and not formed the award of any other degree /Diploma /fellowship or other similar title to any candidate of any university.

Place: Madurai.

Date: 15.04.2021

Signature of the candidate



K. SUREKA (Reg. No.: 2019MSCC27)