

**ANovel TURN-OFF FLUORESCENCE SENSOR PROBE FOR Cu (II) RECOGNITION
Via STATIC QUENCHING USING SCHIFF BASE DERIVED FROM L-TRYPTOPHAN
AND NITROBENZALDEHYDE**

*A project report submitted for
partial fulfilment of the requirement for the award of degree of*

MASTER OF SCIENCE IN CHEMISTRY

Submitted by

**Ms. A. SUMITHRA DEVI
[Reg. No. 2019MSCC26]**



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 External guidance of

Dr. A. JEEVIKA



Department of Chemistry

Thiagarajar College

Madurai – 625 009.

APRIL -2021



Thiagarajar College, Madurai-9

(An Autonomous Institution affiliated of the Madurai Kamaraj University)

Re-Accredited with 'A⁺⁺' Grade by NAAC, Ranked 22nd in NIRF

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15-04-2021

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CERTIFICATE

This is to certify that the M.Sc project work entitled **"A NOVEL TURN-OFF FLUORESCENCE SENSOR PROBE FOR CU (II) RECOGNITION USING SCHIFF BASE DERIVED FROM L-TRYPTOPHAN AND NITROBENZALDEHYDE"** submitted by **Ms. A. SUMITHRA DEVI (Reg. No. 2019MSCC26)**, for the partial fulfillment of the award of **MASTER OF SCIENCE** in **CHEMISTRY** is a record of project work done under my supervision during the period of 21st January 2021 till 15th April 2021. Further, it is also certified that the dissertation has not been reproduced elsewhere for partial fulfillment of degree or diploma.

[Dr. A. Jeevika]

CERTIFICATE

This is to certify that the project report “A NOVEL TURN-OFF FLUORESCENCE SENSOR PROBE FOR CU (II) RECOGNITION USING SCHIFF BASE DERIVED FROM L-TRYPTOPHAN AND NITROBENZALDEHYDE” was carried out by **Ms. A. SUMITHRA DEVI (Reg. No. 2019MSCC26)**, under the guidance of **Dr. R. Sarika** and submitted to Department of Chemistry, **FATIMA COLLEGE (AUTONOMOUS), MADURAI**, in a partial fulfillment of the requirements for the award of the Degree of **MASTER OF SCIENCE** in Chemistry, during the academic year 2019-2021.



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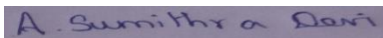
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DECLARATION

I hereby declare that this project work entitled “**A NOVEL TURN-OFF FLUORESCENCE SENSOR PROBE FOR Cu (II) RECOGNITION Via STATIC QUENCHING USING SCHIFF BASE DERIVED FROM L-TRYPTOHAN AND NITROBENZALGEHYDE**” has been originally carried out by me in PG Chemistry department laboratory during the academic year 2019-2020, under the guidance of **Dr. A. Jeevika** Assistant Professor of Chemistry, Thiagarajar College, Madurai -09, and this work or any part of this has not been submitted elsewhere for any other degree.

Place: Madurai



Signature of the Candidate

Date: 15/04/2021

(A. SUMITHRA DEVI)