## SURFACE MODIFICATION AND ITS CHARACTERIZATION OF HIGHLY DISPERSED COBALT OXIDE NANOPARTICLES BY A ANIONIC SURFACTANT

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

#### MASTER OF SCIENCE IN CHEMISTRY

Submitted by

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# 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

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**April - 2021** 

**DECLARATION** 

I do hereby declare that this "SURFACE MODIFICATION AND ITS

CHARACTERIZATION OF HIGHLY DISPERSED COBALT OXIDE

NANOPARTICLES BY A ANIOIC SURFACTANT" 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.

J. christiya.

(J.Christiya)

Date: 15.04.2021

Place: Madurai

Signature of the candidate

### **BONAFIDE CERTIFICATE**

This is to certify that the thesis entitled "SURFACE MODIFICATION AND ITS CHARACTERIZATION OF HIGHLY DISPERSED COBALT OXIDE NANOPARTICLES BY A ANIOIC SURFACTANT" 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. J.CHRISTIYA(Reg,no.2019MSCC07) 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.

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