

NAME : SR. ARUL MARY J  
 POSITION : ASSISTANT PROFESSOR  
 FACULTY OF : CHEMISTRY  
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**LANGUAGES PROFICIENCY**

READ : ENGLISH & TAMIL  
 WRITE : ENGLISH & TAMIL  
 SPEAK : ENGLISH & TAMIL

**1. QUALIFICATION**

S. No.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	CHEMISTRY	FATIMA COLLEGE, MADURAI	2004
2.	PG	CHEMISTRY	LADY DOAK COLLEGE, MADURAI	2008
3.	M.PHIL.	CHEMISTRY	LADY DOAK COLLEGE, MADURAI	2009
4.	PH.D.	CHEMISTRY	LOYOLA COLLEGE, MADRAS UNIVERSITY	2015

**2. TEACHING EXPERIENCE**

S. No.	INSTITUTION	FROM – TO (PERIOD)
1.	FATIMA COLLEGE (AUTONOMOUS), MADURAI	2009 - 2011
2.	LOYOLA COLLEGE, CHENNAI	2011 - 2012

**3. POSITION HELD IN FATIMA**

S. No.	NAME OF THE POSITION	DURATION
1.	VICE-PRINCIPAL, SHIFT-II	2018 - TILL DATE

**4. NATIONAL/INTERNATIONAL/STATE/REGIONAL ETC..... SEMINAR, WORKSHOP, CONFERENCE, SYMPOSIUM ETC.....**

S. No.	PROGRAMME & THEME	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
1.	THIRD NATIONAL CONFERENCE ON ADVANCE IN CHEMISTRY (NCAC – 2015)	EASWARI ENGINEERING COLLEGE, CHENNAI	18.02.2015	PRESENTED	INFLUENCE OF ZnO CODOPING ON THE STRUCTURAL, OPTICAL AND ANTIBACTERIAL PROPERTIES OF $(Zn_{1-2x}Ce_xFe_x)O$ NANOPARTICLES.
2.	3 <sup>RD</sup> INTERNATIONAL CONFERENCE ON NANOSCIENCE AND NANO TECHNOLOGY - ICONN 2015	SRM UNIVERSITY, CHENNAI,	FEB. 04 - 06, 2015	PRESENTED	INVESTIGATIONS OF OPTICAL, STRUCTURAL, AND MAGNETIC PROPERTIES OF Ce–Mn DUAL-DOPED ZnO
3.	NATIONAL CONFERENCE ON ADVANCED MATERIALS AND ITS APPLICATIONS (NCAMA - 2015)	HINDUSTAN UNIVERSITY, CHENNAI,	JAN. 29 - 30, 2015	PRESENTED	A SIMPLE METHOD OF SYNTHESIS AND CHARACTERIZATION OF CERIUM–COBALT CO-DOPED ZINC OXIDE FOR ANTIBACTERIAL STUDIES

4.	NATIONAL CONFERENCE ON RECENT ADVANCES IN NANOSCIENCES RANSS'14	AUXILIUM COLLEGE, VELLORE	Nov. 21 -22, 2014	PRESENTED	STRUCTURAL, MORPHOLOGICAL, OPTICAL AND MAGNETIC PROPERTIES OF CERIUM AND NICKEL DOPED ZnO NANO STRUCTURES PREPARED BY A MICROWAVE COMBUSTION METHOD
5.	INNOVATIONS ON CHEMISTRY-HEALTH AND ENERGY (I CHEM-HE 2014)	KARUNYA UNIVERSITY, COIMBATORE,	FEB. 06 - 08, 2014	PRESENTED	INFLUENCE OF Ce-Cu CO-DOPING ON THE STRUCTURAL, OPTICAL AND MAGNETIC PROPERTIES OF ZnO NANOCRYSTALS PREPARED BY A MICROWAVE COMBUSTION METHOD.
6.	NATIONAL CONFERENCE ON ENERGY, ENVIRONMENTAL AND CLIMATE CHANGE. (NCEEC-2013)	PRESIDENCY COLLEGE, CHENNAI	JULY 18 & 19, 2013	PARTICIPATED	--

## 5. ARTICLES PUBLISHED IN JOURNALS/MAGAZINES/BOOKS

S. No.	JOURNAL/BOOK/MAGAZINE NAME	TITLE OF THE ARTICLE	MONTH / YEAR	VOL. No.	ISSUE No.	PAGE No.	ISSN	PUBLISHER
1.	SUPERLATTICES AND MICROSTRUCTURES	SIMPLE MICROWAVE ASSISTED SOLUTION COMBUSTION SYNTHESIS OF CERIUM AND NICKEL DOPED ZnO NANOSTRUCTURES: EFFECTS ON STRUCTURAL, MORPHOLOGICAL, OPTICAL, AND MAGNETIC PROPERTIES	DEC-2014	76	-	174-185	0749-6036	ELSEVIER
2.	PHYSICA B	INVESTIGATION OF STRUCTURAL, SURFACE MORPHOLOGICAL, OPTICAL PROPERTIES AND FIRST-PRINCIPLES STUDY ON ELECTRONIC AND MAGNETIC PROPERTIES OF (Ce, Fe) CO-DOPED ZnO	JAN-2015	456	-	344-354	0921-4526	ELSEVIER, NORTH-HOLLAND
3.	PHYSICA E	EFFECT OF Ce AND Cu CO-DOPING ON THE STRUCTURAL, MORPHOLOGICAL, AND OPTICAL PROPERTIES OF ZnO NANOCRYSTALS AND FIRST PRINCIPLE INVESTIGATION OF THEIR STABILITY AND MAGNETIC PROPERTIES.	FEB-2015	66	-	209-220	1386-9477	ELSEVIER NORTH-HOLLAND
4.	JOURNAL OF MOLECULAR STRUCTURE	EXPERIMENTAL AND DFT STUDIES OF STRUCTURE, OPTICAL AND MAGNETIC PROPERTIES OF $(\text{Zn}_{1-2x}\text{Ce}_x\text{Co}_x)\text{O}$ NANOPOWDERS	MAR-2015	1084	-	155-164	0022-2860	ELSEVIER
5.	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	EXPERIMENTAL AND FIRST-PRINCIPLES DFT STUDIES OF ELECTRONIC, OPTICAL AND MAGNETIC PROPERTIES OF Ce-Mn CO-DOPED ZnO NANOSTRUCTURES	JUNE 2015	34	-	27-38	1369-8001	ELSEVIER
6.	TRANSACTION OF NONFERROUS METALS SOCIETY OF CHINA	STRUCTURE AND MAGNETIC PROPERTIES OF Cu-Ni ALLOY NANOPARTICLES PREPARED BY RAPID MICROWAVE COMBUSTION METHOD	MAY-2014	24	-	1467-1473	1369-8001	ELSEVIER
7.	JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	STRUCTURAL, OPTICAL AND MAGNETIC PROPERTIES OF $\text{Fe}_3\text{O}_4$ NANOPARTICLES PREPARED BY A FACILE MICROWAVE COMBUSTION METHOD.	JULY 2014	20	-	2077-2085	1226-086X	ELSEVIER

8.	INTERNATIONAL JOURNAL OF CHEM TECH RESEARCH	INVESTIGATIONS OF OPTICAL, STRUCTURAL, AND MAGNETIC PROPERTIES OF Ce–Mn DUAL-DOPED ZnO	FEB. 2015	3	-	1351 - 1357	0974-4290	CODEN (USA): IJCRGG
9.	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY (IJIRSET)	INFLUENCE OF ZnO CODOPING ON THE STRUCTURAL, OPTICAL, AND ANTIBACTERIAL PROPERTIES OF (Zn <sub>1-2x</sub> Ce <sub>x</sub> Fe <sub>x</sub> ) O NANOPARTICLES	FEB. 2015	4	SPL. ISS. 1	9 - 14	2347-6710 (PRINT) 2319-8753 (ONLINE)	-
10.	OPTIK	MICROWAVE-ASSISTED SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL PROPERTIES OF CE–CU DUAL DOPED ZNO NANOSTRUCTURES	2016	127	-	2360 – 2365	0030-4026	ELSEVIER