

NAME : DR. SR. G. JENITA RANI
POSITION : ASSISTANT PROFESSOR
FACULTY OF : PHYSICS
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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	PHYSICS	FATIMA COLLEGE, MADURAI	2005
2.	PG	PHYSICS	LOYOLA COLLEGE, CHENNAI	2009
3.	M.PHIL.	PHYSICS	LOYOLA COLLEGE, CHENNAI	2011
4.	PH.D.	PHYSICS	ARUL ANANDAR COLLEGE, MADURAI KAMARAJ UNIVERSITY, MADURAI	2017
ADDITIONAL QUALIFICATION				
5.	CERTIFICATE	PASTORAL COMMUNICATION	NISCORT, NEW DELHI	2006
6.	CERTIFICATE	SPECIAL COURSE ON ADVANCED COUNSELLING	PERSON TO PERSON – INSTITUTE FOR CHRISTIAN COUNSELLING	2019
7.	CERTIFICATE	DEVELOPING SOFT SKILLS AND PERSONALITY DEVELOPMENT	IIT, KANPUR THROUGH NPTEL, SWAYAM	2019
8.	CERTIFICATE	ENHANCING SOFT SKILLS AND PERSONALITY DEVELOPMENT	IIT, KANPUR THROUGH NPTEL, SWAYAM	2021

2. TEACHING EXPERIENCE

S. No.	INSTITUTION	FROM-TO
1.	FATIMA COLLEGE, MADURAI	2012-2013
2.	FATIMA COLLEGE, MADURAI	2016-TILL DATE

3. POSITION HELD IN FATIMA

S. No.	NAME OF THE POSITION	DURATION
1.	ASST. DIRECTOR, FATIMA COLLEGE HOSTEL, MADURAI	2012 – 2014 & 2016 – MAY 2018
2.	MEMBER, IQAC	2017 – 2018
3.	MEMBER, BOARD OF MANAGEMENT	2016-TILL DATE
4.	DIRECTOR, FATIMA COLLEGE HOSTEL, MADURAI	JUNE 2018 – JUNE 2021
5.	MEMBER, COLLEGE ADMINISTRATIVE COMMITTEE	2018 – TILL DATE
6.	MEMBER, RESEARCH ADVISORY COMMITTEE	2018 – TILL DATE

7.	STUDENT'S COUNSELLOR	2019 - 2020
8.	MEMBER, NAAC CORE COMMITTEE –CYCLE 4	2021
9.	VICE-PRINCIPAL I, SHIFT II	2021 - TILL DATE

4. AREAS OF SPECIALIZATION

- **NANO SCIENCE AND ITS APPLICATIONS (Electrochemistry, Batteries, Electrochemical Sensors, Fuel Cells)**

4. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

S. No.	PROGRAMMES	THEME	ORGANIZED BY	DATE
1.	FACULTY DEVELOPMENT PROGRAM	Epistemic Access to Enhance Effective Learning	IDHAYA ENGINEERING COLLEGE FOR WOMEN	31st July and 01st August, 2020
2.	FACULTY DEVELOPMENT PROGRAM	INCLUSIVE PROCEDURES AND PROCESSES IN ASSESSMENT AND ACCREDITATION BY NAAC	ST JOSEPH COLLEGE, TRICHY	30 th June to 4 th July, 2020
3.	FACULTY DEVELOPMENT PROGRAM	ADVANCE MATERIALS AND THEIR APPLICATIONS	AUXILLIUM COLLEGE, VELLORE	2nd July and 6th June, 2020
4	FACULTY ENRICHMENT PROGRAM	RESETTING MINDS IN UPSETTING TIMES	FATIMA COLLEGE, MADURAI	JULY 2020
5	FACULTY DEVELOPMENT PROGRAM	ALTERNATIVE TEACHING METHODOLOGY	FATIMA COLLEGE, MADURAI	OCTOBER 2017

5. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP, CONFERENCE & SYMPOSIUM

S. No.	PROGRAMMES & THEME	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
1.	2 ND NATIONAL CONFERENCE ON HIERARCHICALLY STRUCTURED MATERIALS (NCHSM 2014)	SRM UNIVERSITY, CHENNAI	MAR. 24 & 25, 2014	PRESENTED	SYNTHESIS AND CHARACTERIZATION OF Fe ₃ O ₄ NANOPARTICLES BY SOL-GEL METHOD
2.	18 TH NATIONAL CONVENTION OF ELECTROCHEMISTS (NCE-18) ON SOCIETY FOR ADVANCEMENT OF ELECTROCHEMICAL SCIENCE AND TECHNOLOGY	CECRI, KARAIKUDI & MADURAI KAMARAJ UNIVERSITY	JULY 23 & 24, 2014	PRESENTED	MAGNETIC Fe ₃ O ₄ –REDUCED GRAPHENE OXIDE NANOCOMPOSITES FOR ELECTROCHEMICAL BIOSENSING
3.	INTERNATIONAL CONFERENCE ON NANOMATERIALS FOR ENERGY, ENVIRONMENT, CATALYSIS AND SENSORS (ICNEECS-15)	MADURAI KAMARAJ UNIVERSITY, MADURAI	DEC. 11 & 12, 2015	PRESENTED	SYNTHESIS OF GRAPHENE/ZnFe ₂ O ₄ NANOCOMPOSITES AS EFFICIENT CATALYSTS FOR PHOTO-OXIDATIVE DEGRADATION OF METHYLENE BLUE DYE

S. No.	PROGRAMMES & THEME	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
4.	RECENT TRENDS IN PHYSICS AND MATERIAL RESEARCH	JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN, PERIAKULAM	FEB. 04 & 05, 2016	PRESENTED	INVESTIGATION ON THE STRUCTURAL, MORPHOLOGICAL BEHAVIOUR OF SOLVOTHERMALLY SYNTHESIZED FERRITE NANOPARTICLES
5.	INTERNATIONAL CONFERENCE ON FRONTIERS IN NANOSCIENCE AND NANOTECHNOLOGY (ICFNN-2016)	SASTRA UNIVERSITY, THANJAVUR	FEB. 26 - 28, 2016	PRESENTED	SYNTHESIS OF SELF ASSEMBELED MAGNETITE SPHERICAL STRUCTURES BY A SOLVOTHERMAL REACTION WITH ENHANCED PHOTOCATALYTIC ACTIVITY FOR DYE DEGRADATION
6.	NATIONAL CONFERENCE ON NANOSCIENCE AND NANOTECHNOLOGIES IN THE LIVELIHOOD ENHANCEMENT OF COMMON MAN	ARUL ANANDAR COLLEGE, KARUMATHUR	FEB. 08 & 09, 2017	PRESENTED	HIERARCHICALLY ASSEMBLED FLOWER LIKE FE ₃ O ₄ NANOSTRUCTURES BY A SOLVOTHERMAL REACTION
7.					SYNTHESIS OF rGO/Ag NANOCOMPOSITE THROUGH A GREEN METHOD
8.					ONE POT FACILE GREEN SYNTHESIS OF rGO/Ag-Au NANOCOMPOSITE
9.					SYNTHESIS OF SANDWICH STRUCTURED CERAMICS
10.	NATIONAL CONFERENCE ON RECENT TRENDS IN PHYSICS	JEYARAJ ANNAPACKIAM COLLEGE, PERIAKULAM	FEB. 09, 2018	PRESENTED	SYNTHESIS AND CHARACTERISATION OF FLOWER LIKE FE ₃ O ₄ NANOSTRUCTURES
11.					INVESTIGATION ON THE STRUCTURAL AND MORPHOLOGICAL PROPERTIES OF SOLVOTHERMALLY SYNTHESIZED ZNFE ₂ O ₄ NANOPARTICLES
12.					SYNTHESIS AND CHARACTERIZATION OF MNFE ₂ O ₄ NANOBALLS
13.	TNSCST SPONSORED NATIONAL SCIENCE DAY CELEBRATION	FATIMA COLLEGE	FEB. 28, 2018	ORGANIZED	
14.	STATE LEVEL WORKSHOP ON GLOBAL RANKING OF UNIVERSITIES: PRESENT SCENARIO	MADURAI KAMARAJ UNIVERSITY	MAR. 22, 2019	PARTICIPATED	
15.	INTERNATIONAL SEMINAR ON ADVANCED MATERIALS (AM - 2019)	MADURAI KAMARAJ UNIVERSITY	SEP. 23, 2019	PARTICIPATED	
16.	STATE LEVEL WORKSHOP "HELP AT HAND – STRENGTHENING FACULTY IN COUNSELLING TECHNIQUES TO FACILITATE GEN Z (PHASE I & II)	ST CHRISTOPHER COLLEGE OF EDUCATION & UNITED BOARD FOR CHRISTIAN HIGHER EDUCATION IN ASIA	OCT. 13-20' 2018 & OCT. 05-11, 2019	PARTICIPATED	
17.	INTERNATIONAL CONFERENCE ON NANOSCIENCE AND NANOTECHNOLOGY -2019	VELLORE INSTITUTE OF TECHNOLOGY (VIT), VELLORE	NOV 29- DEC 1, 2019	PRESENTED	Porous organic polymer coated permselective separator mitigating self-discharge for lithium sulfur batteries

S. No.	PROGRAMMES & THEME	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
18.	HOUSEHOLD ELECTRONIC DEVICES AND APPLIANCES	AVS COLLEGE OF ARTS & SCIENCE, SALEM	APRIL 2020	PARTICIPATED	
19.	TAKING RESEARCH FORWARD DURING PANDEMIC	LOYOLA COLLEGE, CHENNAI	MAY 2020	PARTICIPATED	
20.	“ADVANCED MATERIALS FOR ENERGY STORAGE APPLICATIONS”	FATIMA COLLEGE MADURAI	JULY 2020	ORGANIZED	
21.	NAAC REACCREDITATION PROCESS DURING POST COVID SCENARIO	YADAVA COLLEGE, MADURAI	NOVEMBER 2020	PARTICIPATED	
22.	NANO STRUCTURES FOR NEXT GENERATION DEVICES	LOYOLA COLLEGE, CHENNAI	MARCH 2021	PARTICIPATED	
23.	INTERNATIONAL WORKSHOP ON “SENSORS”	MADURAI KAMARAJ UNIVERSITY	AUGUST 2021	CHAired	“MAGPIX TECHNOLOGY FOR CYTOKINE PROFILING IN PERIODONTITIS”

6. ARTICLES PUBLISHED IN JOURNALS/MAGAZINE

S. No.	JOURNAL NAME	TITLE OF THE ARTICLE	MONTH / YEAR	VOL. No.	ISS. No.	DOI /URL	PAGE No.	ISSN	PUBLISHER
1.	JOURNAL OF ALLOYS AND COMPOUNDS	WATSONIA MERIANA FLOWER LIKE Fe ₃ O ₄ /REDUCED GRAPHENE OXIDE NANOCOMPOSITE FOR THE HIGHLY SENSITIVE AND SELECTIVE ELECTROCHEMICAL SENSING OF DOPAMINE	DEC. 2016	688	-	-	500 - 512	0925-8388	ELSEVIER
2.	RESEARCH ON CHEMICAL INTERMEDIATES	REDUCED GRAPHENE OXIDE/ZNF ₂ O ₄ NANOCOMPOSITE AS AN EFFICIENT CATALYST FOR THE PHOTOCATALYTIC DEGRADATION OF METHYLENE BLUE DYE	APR. 2016	-	-	10.1007/s11164-016-2788-0	1-10	0922-6168	SPRINGER
3.	CHEMICAL SCIENCE REVIEW AND LETTERS	SELF-ASSEMBLED RGO/FEWO ₄ FLOWER STRUCTURES BY A SOLVOTHERMAL REACTION WITH ENHANCED CATALYTIC ACTIVITY FOR DYE DEGRADATION	JUNE 2016	5	20	-	101 - 109	2278-6783	AUFAU PERIODICALS
4.	ELECTRO CATALYSIS	THE SENSITIVE AND SELECTIVE ENZYME-FREE ELECTROCHEMICAL H ₂ O ₂ SENSOR BASED ON RGO/MNFE ₂ O ₄ NANOCOMPOSITE	JAN. 2017	9	1	-	102-112	1868-5994	SPRINGER
5	SHANLAX INTERNATIONAL JOURNAL OF ARTS, SCIENCE AND HUMANITIES	STORY TELLERS WHO SPIN IN ORBIT OF SPACE (WOMEN IN SPACE)	FEB, 2019	6	232 1-788x		153-157		SHANLAX PUBLICATIONS
6	IONICS	FE ₃ O ₄ SEATED RGO-SULFUR COMPLEX AS A POTENTIAL CATHODE MATERIAL FOR LITHIUM SULFUR BATTERIES	JAN, 2020	7		10.1007/s11581-019-03405-7	1-10	0947-7047	SPRINGER

S. No.	JOURNAL NAME	TITLE OF THE ARTICLE	MONTH / YEAR	VOL. No.	ISS. No.	DOI /URL	PAGE No.	ISSN	PUBLISHER
7	RSC- Materials Advances	A POROUS ORGANIC POLYMER-COATED POLYMER COATED PERMSELECTIVE SEPARATOR MITIGATING SELF-DISCHARGE OF LITHIUM-SULFUR BATTERIES	MAY 2020	4		https://doi.org/10.1039/D0MA00093K	648-657		ROYAL SOCIETY OF CHEMISTRY
8	Applied Biochemistry and Biotechnology	3D FLOWER LIKE FEWO ₄ /CEO ₂ HIERARCHICAL ARCHITECTURES ON RGO FOR DURABLE AND HIGH PERFORMANCE MICROALGAE BIOPHOTOVOLTAIC FUEL CELLS	JUNE 2020	192		https://doi.org/10.1007/s12010-020-03352-4	751-769	0273-2289 (Print) 1559-0291 (Online)	SPRINGER
9	Chemistry Select	SELF-ENHANCED CHARGE-DISCHARGE BEHAVIOUR OF MNFe ₂ O ₄ LADEN COMPOSITE CATHODE FOR LITHIUM – SULFUR BATTERIES.	AUGUST - 2021	6	30	https://doi.org/10.1002/slct.202101479	7628-7635	2365-6549	Wiley-VCH on behalf of Chemistry Europe

7. ACHIEVEMENTS

S. No.	NAME OF THE AWARD	AWARD RECEIVED FOR	SPONSORS / SOURCE	PLACE	DATE
1.	BEST PAPER AWARD	PAPER PRESENTATION	NCHSM 2014	SRM UNIVERSITY, CHENNAI	MARCH, 2014
2.	TOPPER	TOPPER IN NPTEL ONLINE CERTIFICATE COURSE (DEVELOPING SOFT SKILLS AND PERSONALITY DEVELOPMENT)	IIT, Kanpur	-	NOVEMBER, 2019
3	TOPPER	TOPPER IN NPTEL ONLINE CERTIFICATE COURSE (ENHANCING SOFT SKILLS AND PERSONALITY DEVELOPMENT)	IIT, Kanpur	-	NOVEMBER, 2021
4	CHAIR PERSON FOR A SESSION	INTERNATIONAL WORKSHOP ON "SENSORS"	INTERN THE ACADEMY OF SCIENCES, CHENNAI, DEPARTMENT OF ANALYTICAL CHEMISTRY & MADURAI KAMARAJ UNIVERSITY	MADURAI KAMARAJ UNIVERSITY	AUGUST 2021