

**NAME** : M. RAGAM  
**POSITION** : ASSISTANT PROFESSOR  
**FACULTY OF** : PHYSICS  
**EMAIL ID** : mraagam.physics@gmail.com



**LANGUAGES PROFICIENCY**

**READ** : TAMIL, ENGLISH & HINDI

**WRITE** : TAMIL, ENGLISH & HINDI

**SPEAK** : TAMIL & ENGLISH

**1. QUALIFICATION**

S. No.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	PHYSICS	FATIMA COLLEGE, MADURAI	2003
2.	PG	PHYSICS	FATIMA COLLEGE, MADURAI	2005
3.	M.PHIL.	PHYSICS	BHARATHIDASAN UNIVERSITY, TRICHY	2006
4.	PH.D.	PHYSICS	MADURAI KAMARAJ UNIVERSITY, MADURAI	2013
5.	DIPLOMA	COMPUTER APPLICATIONS	PLUS POINT SYSTEMS & SOFTWARES, MADURAI	2004
6.	CERTIFICATE	HINDI	HINDI PRACHAR SABHA, MADURAI	2002
7.	TECHNICAL	TYPEWRITING- TAMIL & ENGLISH	NOTE, CHENNAI	2000

**2. TEACHING EXPERIENCE**

S. No.	INSTITUTION	FROM – TO (PERIOD)
1.	K.L.N. POLYTECHNIC, MADURAI	JUNE 2005 - JULY 2006
2.	YADAVA COLLEGE, MADURAI	JULY 2006 - MAY 2013

**3. POSITION HELD IN FATIMA**

S. No.	NAME OF THE POSITION	DURATION
1.	WOMEN CELL –STAFF IN CHARGE	2014 - 2017
2.	NSS PROGRAM OFFICER	2017 - TILL DATE

**4. POSITION HELD OUTSIDE**

S. No.	NAME OF THE INSTITUTION	NAME OF THE POSITION	DURATION
1.	YADAVA COLLEGE	ORGANISER, SCIENCE CLUB	2007 - 2013
2.	YADAVA COLLEGE	DEPUTY COORDINATOR- UGC SPONSORED M.Sc., NANOSCIENCE PROGRAM	2012 - 2013

## 5. AREAS OF SPECIALIZATION

### ➤ NANOSCIECNE AND ITS APPLICATIONS

## 6. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED :

S. No.	PROGRAMMES	THEME	ORGANIZED BY	DATE
1.	INUP HANDS-ON TRAINING WORKSHOP	NANOFABRICATION TECHNOLOGIES	IIT BOMBAY	JAN. 19 - 23, 2015

## 7. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP, CONFERENCE & SYMPOSIUM

S. No.	PROGRAMMES & THEME	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
1.	INTERNATIONAL CONFERENCE ON NANOSCIENCE AND NANOTECHNOLOGY (ICNN 2011)	COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE,	JULY 06 - 08, 2011	PRESENTED	LOCALISED VIBRATION MODES IN NANO ZINC SULPHIDE AND CADMIUM SULPHIDE
2.	INTERNATIONAL SYMPOSIUM ON SEMICONDUCTOR MATERIALS AND DEVICES	THE M.S. UNIVERSITY, BARODA,	JAN. 28 - 30, 2011	PRESENTED	ON THE POSSIBILITY OF ENHANCED EFFICIENCY IN (Zn,Cd)S IN DYE SENSITIZED SOLAR CELL
3.	55TH DAE SOLID STATE PHYSICS SYMPOSIUM	MANIPAL UNIVERSITY, MANIPAL	DEC. 26 - 30, 2010	PRESENTED	INVESTIGATIONS ON NANO ZNS BASED DYE SENSITIZED SOLAR CELL
4.	NATIONAL SEMINAR ON RECENT ADVANCES IN INORGANIC AND NANO CHEMISTRY	MADURAI KAMARAJ UNIVERSITY, MADURAI,	MAR 29 & 30, 2010	PRESENTED	INVESTIGATIONS ON NANO CdS BASED DYE SENSITIZED SOLAR CELL,
5.	56TH DAE SOLID STATE PHYSICS SYMPOSIUM	SRM UNIVERSITY, CHENNAI,	DEC. 26 - 30, 2011	PRESENTED	CADMIUM DIFFUSION IN NANO CADMIUM SULPHIDE
6.	WORKSHOP ON RECENT TRENDS IN ASTROPHYSICS	SCHOOL OF PHYSICS, MADURAI KAMARAJ UNIVERSITY, MADURAI	JAN. 28 & 29, 2010	PARTICIPATED	-
7.	NATIONAL WORKSHOP AND CONFERENCE ON MONTE CARLO SIMULATION	SCHOOL OF PHYSICS, MADURAI KAMARAJ UNIVERSITY, MADURAI	AUG. 09 - 13, 2010	PARTICIPATED	-
8.	INTERNATIONAL CONFERENCE AND WORKSHOP ON NEW MATERIALS AND DEVICES FOR PHOTOVOLTAIC APPLICATIONS (ICWNMDP-2011)	SCHOOL OF CHEMISTRY, MADURAI KAMARAJ UNIVERSITY, MADURAI	FEB. 10 - 12, 2011	PARTICIPATED	-
9.	INDO-NORWEGIAN SATELLITE MEETING ON ADVANCES IN SOLAR CELL MATERIALS AND TECHNOLOGIES	SCHOOL OF CHEMISTRY, MADURAI KAMARAJ UNIVERSITY, MADURAI	DEC. 17, 2011	PARTICIPATED	-
10.	RECENT TRENDS IN ADVANCED MATERIALS (SRAM-2012),	SCHOOL OF PHYSICS, MADURAI KAMARAJ UNIVERSITY, MADURAI	MAR. 08 & 09, 2012	PARTICIPATED	-
11.	INTERNATIONAL CONFERENCE ON NANO ELECTRONIC SCIENCE AND TECHNOLOGY (ICNEST)	DEPARTMENT OF PHYSICS, SRI VASAVI COLLEGE, ERODE	FEB. 14 & 15, 2014	PRESENTED	METAL SULPHIDE NANOMATERIALS FOR SPRINTRONICS APPLICATIONS

12.	NATIONAL CONFERENCE ON 'ADVANCED FUNCTIONAL MATERIALS (NCAFM 2015)	DEPARTMENT OF PHYSICS, SRM UNIVERSITY, CHENNAI	MAY 08 & 09, 2015	PRESENTED	SPIONs AS PHOTOACOUSTIC CONTRAST AGENTS
13.	NATIONAL SEMINAR ON "RECENT TRENDS IN APPLIED CHEMISTRY (NCRAC 2016)"	DEPARTMENT OF CHEMISTRY, ESWARI ENGINEERING COLLEGE, CHENNAI	MAY 04, 2016	PRESENTED	SCOPE OF EXOGENOUS PHOTOACOUSTIC CONTRAST AGENTS
14.	NATIONAL SYMPOSIUM ON "NANOSCIENCE AND TECHNOLOGY"	CENTRE FOR NANOSCIENCE AND ENGINEERING, IISc BANGALORE	JUNE 29 & 30, 2016	PARTICIPATED	-
15.	INTERNATIONAL LECTURE WORKSHOP ON 'ADVANCED MATERIALS ENGINEERING'	THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI	SEP. 26, 2016	PARTICIPATED	-
16.	ALL INDIA ASSOCIATION FOR CHRISTIAN HIGHER EDUCATION (AIACHE) GOLDEN JUBILEE GRAND FINALE CELEBRATIONS	THE AMERICAN COLLEGE, MADURAI	OCT. 07 - 11, 2016	PARTICIPATED	-
17.	INDIAN NANO ELECTRONICS PROGRAM	INDIAN INSTITUTE OF SCIENCE, BANGALORE	MAY 15 - 25, 2018	PRESENTED	TAILORED Ag@TiO <sub>2</sub> NANOSTRUCTURES IN PEROVSKITE SOLAR CELLS

## 8. ARTICLES PUBLISHED IN JOURNALS/MAGAZINES

S. No.	JOURNAL NAME	TITLE OF THE ARTICLE	MONTH / YEAR	VOL. No.	ISS. No.	DOI / URL	PAGE No.	ISSN	PUBLISHER
1.	DEFECT AND DIFFUSION FORUM	SELF DIFFUSION IN NANO ZINC SULPHIDE,	2011	319-320	-	<a href="https://doi.org/10.4028/www.scientific.net/DDF.319-320.167">DOI:10.4028/www.scientific.net/DDF.319-320.167</a>	167-180	1012-0386	TRANS TECH PUBLICATIONS, SWITZERLAND
2.	J. NANO-ELECTRON. PHYS.	SYNTHESIS AND CHARACTERIZATION OF Cd <sub>x</sub> Zn <sub>1-x</sub> S NANOCOMPOSITES	2011	3	1	-	111-116	2077-6772	SUMY STATE UNIVERSITY (SUMY, UKRAINE)
3.	DEFECT AND DIFFUSION FORUM	LOCALIZED VIBRATIONAL MODE IN MANGANESE-DOPED ZINC SULPHIDE AND CADMIUM SULPHIDE NANOPARTICLES	2011	318	-	<a href="https://doi.org/10.4028/www.scientific.net/DDF.318.11">DOI:10.4028/www.scientific.net/DDF.318.11</a>	11-21	1012-0386	TRANS TECH PUBLICATIONS, SWITZERLAND
4.	J. NANO-ELECTRON. PHYS	ON THE POSSIBILITY OF ENHANCED EFFICIENCY IN (Zn,Cd)S DYE SENSITIZED SOLAR CELL	2011	3	1	-	823-826	2077-6772	SUMY STATE UNIVERSITY (SUMY, UKRAINE)
5.	JOURNAL OF ALLOYS AND COMPOUNDS	ROOM TEMPERATURE FERROMAGNETISM IN Mn <sub>x</sub> Zn <sub>1-x</sub> S NANOPARTICLES	2011	541	-	-	222-224	0925-8388	ELSEVIER PUBLICATIONS
6.	AIP CONF. PROC.	INVESTIGATIONS ON ZINC SULPHIDE NANOPARTICLES IN DYE SENSITIZED SOLAR CELL	2011	1349	-	DOI: <a href="http://dx.doi.org/10.1063/1.3605909">HTTP://DX.DOI.ORG/10.1063/1.3605909</a>	411-412	1551-7616	AMERICAN INSTITUTE OF PHYSICS PUBLISHERS
7.	AIP CONF. PROC.	CADMIUM DIFFUSION IN NANO CADMIUM SULPHIDE	2012	1447	-	DOI: <a href="http://dx.doi.org/10.1063/1.4710022">HTTP://DX.DOI.ORG/10.1063/1.4710022</a>	345-346	1551-7616	AMERICAN INSTITUTE OF PHYSICS PUBLISHERS

8.	JOURNAL OF NANOSCIENCE	CHARGE TRANSPORT IN 1-D NANOSTRUCTURED CdS DYE SENSITIZED SOLAR CELL (ACCEPTED)	2013	-	-	DOI:10.1155/4738	-	2314-6931	HINDAWI PUBLICATIONS
9.	ENVIRON SCIENCE AND POLLUTION RESEARCH	BIOSYNTHESIZED SILVER NANOPARTICLES USING FLORAL EXTRACT F CHRYSANTHEMUM INDICUM.L. – POTENTIAL FOR MALARIA VECTOR CONTROL	2015	22	-	DOI: 10.1007/s11356-015-4148-9	9759-65	0944-1344	SPRINGER-VERLAG BERLIN HEIDELBERG

## 9. MAJOR ASSIGNMENTS

S. No.	MAJOR ASSIGNMENTS	INSTITUTION	THEME/TITLE	DATE
1.	RESOURCE PERSON	SCIENCE AND TECHNOLOGY ORGANIZED BY YADAVA COLLEGE, MADURAI	AMAZING WORLD OF NANOTECHNOLOGY	03.07.2015
2.	GUEST LECTURE	THE DEPARTMENT OF PHYSICS, SETHAMARAI ARTS AND SCIENCE COLLEGE, MADURAI	AMAZING WORLD OF PHYSICS	19.09.2016
3.	GUEST LECTURE	THE DEPARTMENT OF PHYSICS, AMBIGA ARTS AND SCIENCE COLLEGE, MADURAI	NANO : THE NEXT CHALLENGE	21.09.2016
4.	GUEST LECTURE	THE RESEARCH CENTRE OF PHYSICS, MANNAR THIRUMALAI NAICKAR COLLEGE, MADURAI	PHOTOACOUSTIC IMAGING-A TOOL TO DETECT CANCER	23.07.2018

## 10. ACHIEVEMENTS

S. No.	NAME OF THE AWARD	AWARD RECEIVED FOR	SPONSORS / SOURCE	PLACE	DATE
1.	BEST PAPER AWARD	PAPER PRESENTATION	DST	THIAGARAJAR COLLEGE OF ENGINEERING	FEB, 2010

## 11. PROJECT UNDERTAKEN

S. No.	TITLE OF PROJECT	POSITION	SPONSORED BY	DATE & YEAR	SANCTIONED AMOUNT
1.	EXPERIMENTAL AND THEORETICAL INVESTIGATIONS ON II-VI NANOSYSTEMS	PRINCIPAL INVESTIGATOR	DST	AUG. 2010 TO AUG.2013 (COMPLETED)	10,60,000/-
2.	WASTE WATER PURIFICATION KIT USING NANOMATERIALS – A NOVEL ATTEMPT	CO-PRINCIPAL INVESTIGATOR	DST- SENSORS & INSTRUMENTATION	JULY 2013 TO JULY 2015 (ON-GOING)	25,00,000/-

## 12. FELLOWSHIP RECEIVED

- **DST-WOMEN SCIENTIST FELLOW –( AUGUST 2010 – JUNE 2013)**