

NAME : DR. P. SILVIYA REETA
POSITION : ASSISTANT PROFESSOR
FACULTY OF : CHEMISTRY
EMAIL ID : silviyachemistry@fcmdu.edu.in
LANGUAGES PROFICIENCY
READ : TAMIL & ENGLISH
WRITE : TAMIL & ENGLISH
SPEAK : TAMIL, ENGLISH & TELUGU



1. QUALIFICATION

| S. No. | DEGREE / DIPLOMA / CERTIFICATE | DISCIPLINE | NAME OF THE INSTITUTION | YEAR OF PASSING |
|--------|--------------------------------|--|--|-----------------|
| 1. | UG | CHEMISTRY | SRI MEENAKSHI GOVT. COLLEGE FOR WOMEN, MADURAI | 2005 |
| 2. | PG | CHEMISTRY | THE AMERICAN COLLEGE, MADURAI | 2007 |
| 3. | PH.D. | CHEMISTRY | CSIR-INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD, TELENGANA | 2015 |
| 4. | CERTIFICATE | COMPUTER-CUM-INTERNET LITERACY PROGRAMME | SRI MEENAKSHI GOVT. COLLEGE FOR WOMEN, MADURAI | 2004 |
| 5. | SET / NET | CHEMICAL SCIENCE | CSIR-UGC | 2008 |

2. TEACHING EXPERIENCE

| S. No. | INSTITUTION | FROM – TO (PERIOD) |
|--------|--|------------------------|
| 1. | KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION, KRISHNANKOIL, TAMIL NADU | 13.07.2015 - 10.4.2016 |
| 2. | FATIMA COLLEGE, MADURAI | 19.07.2021 - TILL DATE |

3. POSITION HELD OUTSIDE

| S. No. | NAME OF THE POSITION | NAME OF THE INSTITUTION | DURATION |
|--------|--------------------------|---|-------------------------|
| 1. | JUNIOR ARCI FELLOW (JAF) | ARCI, HYDERABAD, TELANGANA | 01.08.2007 - 01.05.2008 |
| 2. | POSTDOCTORAL RESEARCHER | TAMPERE UNIVERSITY OF TECHNOLOGY, FINLAND | 01.02.2014 - 31.12.2014 |

4. AREAS OF SPECIALIZATION:

- DYE SENSITIZED SOLAR CELLS
- PHOTOINDUCED ELECTRON TRANSFER REACTIONS
- SPECTROSCOPY

5. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

| S. No. | PROGRAMME | THEME | ORGANIZED BY | DATE |
|--------|------------------------------|--|-------------------------|------------|
| 1. | FACULTY ENRICHMENT PROGRAMME | TEACHING: DRIVEN BY PURPOSE - GUARDED BY PRINCIPLE | FATIMA COLLEGE, MADURAI | 24.07.2021 |

| S. No. | PROGRAMME | THEME | ORGANIZED BY | DATE |
|--------|-------------------------------|-------|-------------------------|------------|
| 2. | FACULTY DEVELOPMENT PROGRAMME | - | FATIMA COLLEGE, MADURAI | 07.08.2021 |

6. NATIONAL/INTERNATIONAL SEMINARS, WORKSHOPS, CONFERENCES, WEBINARS & SYMPOSIUMS

| S. No. | PROGRAMME & THEME | ORGANIZED BY | DATE | PARTICIPATED/ PRESENTED | TITLE OF THE PAPER |
|--------|---|--|--------------------|----------------------------|---|
| 1. | NATIONAL CONFERENCE ON ADVANCED FUNCTIONAL MATERIALS | SSN COLLEGE OF ENGINEERING, CHENNAI | DEC. 28 & 29, 2015 | PRESENTED | EFFECT OF STRUCTURAL MODIFICATION ON A SERIES OF PORPHYRIN BASED DYE SENSITIZED SOLAR CELL EFFICIENCIES |
| 2. | INTERNATIONAL CONFERENCE ON GREEN ENERGY AND TECHNOLOGY | SASTRA UNIVERSITY, THANJAVUR | JUNE 26 & 27, 2013 | PRESENTED | STRUCTURAL MODIFICATION OF PORPHYRIN DYES FOR GREEN ENERGY DEVICES |
| 3. | APEX EXCITONIC SOLAR CELL SYMPOSIUM AND PROJECT MEETING | IMPERIAL COLLEGE, LONDON | JULY 06 - 08, 2011 | PRESENTED | ONE-POT SYNTHESIS OF B-ARYL TETRAPHENYL PORPHYRINS FOR DYE SENSITIZED SOLAR CELL APPLICATIONS |
| 4. | NATIONAL CONFERENCE ON RECENT TRENDS IN ORGANIC SYNTHESIS | BHARATHIDASAN UNIVERSITY, TIRUCHIRAPALLI | FEB. 24 - 26, 2011 | PRESENTED | TETRAPYRROLIC DYES FOR DYE-SENSITIZED SOLAR CELL APPLICATIONS. |
| 5. | UGC SPONSORED NATIONAL SEMINAR ON FRONTIER AREAS IN CHEMISTRY | THIAGARAJAR COLLEGE, MADURAI | MAR. 01 & 02, 2007 | PRESENTED | ELECTROCHEMICAL DEPOSITION OF METALS AND FURNACE PROFILING |
| 6. | WORKSHOP ON THERMODYNAMICS | IGCAR, KALPAKKAM, CHENNAI | AUG. 22 - 26, 2006 | PARTICIPATED | - |

7. FELLOWSHIP RECEIVED

- JUNIOR ARCI FELLOWSHIP (JAF), ARCI, HYDERABAD, TELANGANA.
- CSIR- SRF, CSIR-UGC, INDIA.
- POSTDOCTORAL RESEARCH FELLOWSHIP, TAMPERE UNIVERSITY OF TECHNOLOGY, FINLAND.

8. ARTICLES PUBLISHED IN JOURNALS/PROCEEDINGS/MAGAZINES/BOOKS

| S. No. | JOURNAL / PROCEEDING / MAGAZINE / BOOK NAME | TITLE OF THE ARTICLE | MONTH / YEAR | VOL. No. | ISSUE No. | PAGE No. | ISSN | PUBLISHER | IMPACT FACTOR |
|--------|---|---|--------------|----------|-----------|-----------|-----------|-----------|---------------|
| 1. | TETRAHEDRON LETT. | ONE-POT SYNTHESIS OF β -CARBOXY TETRA ARYL PORPHYRINS: POTENTIAL APPLICATIONS TO DYE-SENSITIZED SOLAR CELLS | 2010 | - | 51 | 2865-2867 | 0040-4039 | ELSEVIER | 2.275 |

| S. No. | JOURNAL / PROCEEDING / MAGAZINE / BOOK NAME | TITLE OF THE ARTICLE | MONTH / YEAR | VOL. No. | ISSUE No. | PAGE No. | ISSN | PUBLISHER | IMPACT FACTOR |
|--------|---|---|--------------|----------|-----------|--------------|------------------------------------|----------------------------|---------------|
| 2. | MATERIALS LETT. | PICOSECOND OPTICAL NONLINEARITIES OF UNSYMMETRICAL ALKYL AND ALKOXY PHTHALOCYANINES STUDIED USING Z-SCAN TECHNIQUE | 2010 | - | 64 | 1915-1917 | 0167-577X | ELSEVIER | 3.204 |
| 3. | J. PHYS. CHEM A | BIS-PORPHYRIN-ANTHRAQUINONE TRIADS: SYNTHESIS, SPECTROSCOPY AND PHOTOCHEMISTRY | 2013 | - | 117 | 2944 - 2951 | 1089-5639 (PRINT); 1520-5215 (WEB) | AMERICAN CHEMICAL SOCIETY | 2.6 |
| 4. | J. CHEM. SCI. | β -PYRROLE SUBSTITUTED PORPHYRIN-PYRENE DYADS USING VINYLENE SPACER: SYNTHESIS, CHARACTERIZATION AND PHOTOPHYSICAL PROPERTIES | 2013 | - | 125 | 125, 259-266 | 0974-3626 (PRINT) 0973-7103 (WEB) | SPRINGER | 1.406 |
| 5. | J. LUMINESCENCE | EXCITED STATE ENERGY AND PHOTOINDUCED ELECTRON TRANSFER REACTIONS IN Ge(IV) CORROLE-PORPHYRIN HETERODIMERS | 2013 | - | 145 | 357-363 | 0022-2313 | ELSEVIER | 3.28 |
| 6. | RSC Adv. | ETHYNYL THIOPHENE APPENDED UNSYMMETRICAL ZINC PORPHYRIN SENSITIZERS FOR DYE-SENSITIZED SOLAR CELLS: SYNTHESIS, SPECTRAL, ELECTROCHEMICAL, AND PHOTOVOLTAIC PROPERTIES | 2014 | - | 4 | 14165-14175 | 2046-2069 | ROYAL SOCIETY OF CHEMISTRY | 3.267 |
| 7. | J. PORPHYRINS PHTHALOCYANINES | PHOTOPHYSICAL PROPERTIES OF Sn(IV)TETRAPHENYLPORPHYRIN-PYRENE DYAD WITH A B-VINYL LINKER | 2015 | - | 19 | 288 | 1088-4246 (PRINT) 1099-1409 (WEB) | WORLD SCIENTIFIC | 1.816 |

9. ACHIEVEMENTS

| S. No. | NAME OF THE AWARD | AWARD RECEIVED FOR | SPONSORS / SOURCE | DATE |
|--------|-----------------------|------------------------------|-------------------------------------|--------------------|
| 1. | 2 ND PRIZE | BEST ORAL PRESENTATION AWARD | SSN COLLEGE OF ENGINEERING, CHENNAI | DEC. 28 & 29, 2015 |
| 2. | 1 ST PRIZE | BEST ORAL PRESENTATION AWARD | SASTRA UNIVERSITY, THANJAVUR | JUNE 26 & 27, 2013 |

10. FOREIGN COUNTRIES VISITED ON ACADEMIC ASSIGNMENTS/TRAINING/INVITED PROGRAMME

1. IMPERIAL COLLEGE, LONDON, UK, APEX EXCITONIC SOLAR CELL SYMPOSIUM AND APEX PROJECT MEETING", HELD DURING 6TH -8TH JULY 2011.

2. TAMPERE UNIVERSITY OF TECHNOLOGY, FINLAND, POSTDOCTORAL RESEARCHER, FEB. - DEC. 2014.