

<b>Name</b>	<b>Dr. P. POORNIMA DEVI</b>			
<b>Contact (office)</b>	Assistant Professor in Chemistry Department of Science and Humanities M.I.E.T. Engineering College Tiruchirappalli – 620 017			
<b>Email</b>	poornimadevi.p@miet.edu			
<b>Educational Qualifications</b>	<b>DEGREE</b>	<b>EDUCATIONAL INSTITUTION</b>	<b>BOARD/ UNIVERSITY</b>	<b>YEAR OF PASSING</b>
	<b>Ph.D. (Chemistry)</b>	Seethalakshmi Ramaswami College, Trichy	Bharathidasan University	2018
	<b>M.Phil., (Chemistry)</b>	Seethalakshmi Ramaswami College, Trichy	Bharathidasan University	2013
	<b>M.Sc., (Chemistry)</b>	Seethalakshmi Ramaswami College, Trichy	Bharathidasan University	2012
	<b>B.Sc., (Chemistry)</b>	Seethalakshmi Ramaswami College, Trichy	Bharathidasan University	2010
<b>Professional Career Profile</b>	<b>Organization</b>	<b>Designation</b>	<b>Date of Joining</b>	<b>Duration of work</b>
	Bharathidasan University, Trichy	Guest Lecturer	15.12.2017	30.04.2019
	Cauvery College For Women, Trichy	Assistant Professor	02.12.2019	30.04.2020
	M.I.E.T. Engineering College, Trichy	Assistant Professor	22.08.2022	Till Date
<b>Awards &amp; Recognitions</b>	<p>➤ <b>Research Personnel - DST (Department of Science and Technology)</b> – Major Research Project entitled, “Novel molecular salts of pyrimidine derivatives (barbituric acids) and imidazole derivatives (hydantoins) - synthesis, characterization, antiepileptic, sedative – hypnotic and toxicity studies” June to May (2013-2016)</p> <p>➤ Approved for the post of <b>Assistant Professor in Chemistry</b> as per <b>UGC Norms</b> (Bharathidasan University)</p>			
<b>Academic Areas of Interest</b>	Physical Organic Chemistry, Inorganic Chemistry, Pharmaceutical Chemistry, Engineering Chemistry			

## LIST OF PUBLICATIONS

- **Poornima Devi, P.** and Kalaivani, D.\* "Isoquinolinium 5-(2,4-dinitrophenyl)-1,3-dimethyl-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-olate : crystal structure, Hirshfeld surface analysis and pharmacological evaluation", **Acta Crystallographica E, Research Communications** (2016) Vol. E72, 570- 574
- **Poornima Devi, P.** and Kalaivani, D.\* "Crystal structure of creatininium 5-(2,4-dinitrophenyl)-1,3-dimethylbarbiturate monohydrate : a potential anticonvulsant agent", **Acta Crystallographica E, Research Communications** (2016) Vol.72, 620-623
- Mangaiyarkarasi, G., Sridevi, G., **Poornima Devi, P.**, & Kalaivani, D. "2-Methylpyridinium 5-(2,4-dinitrophenyl)-6-oxo-2-thioxo-1,2,3,6-tetrahydro pyrimidin-4-olate—synthesis, crystal structure and biological evaluation", **Journal of Structural Chemistry** (2016) Vol. 57, No. 5, pp. 985-990
- **Poornima Devi. P.**, Vasuki, M., Kalaivani, D. "Synthesis, spectral characterization, crystal structure and anticonvulsant / acute toxicity of 1,4-diazabicyclo[2.2.2]octan-1-ium 4,6-dioxo-2- thioxohexahydropyrimidin-5-ide", **The International Journal of Science & Technoledge**, October (2014) Vol. 2, Issue 10, pp. 214-218 (ISSN 2321 - 919X)
- Manickkam. V., **Poornima Devi. P.**, Kalaivani. D "Synthesis, Characterization, Thermal Behaviour and Single crystal X-ray Analysis of Two New Insensitive High Energy Density materials [8-Hydroxyquinolinium 5-(2,4,6-trinitrophenyl) barbiturate (I) and 8-Hydroxyquinolinium 5-(5-chloro- 2,4-dinitrophenyl)-1,3-dimethylbarbiturate (II)]", **Crystallography Reports** (2014) Vol. 59, No.7, pp. 1042 -1050.

## **SEMINAR/ WORKSHOP/ TRAINING/ INTERNATIONAL LECTURE/ FACULTY DEVELOPMENT PROGRAM**

### **FACULTY DEVELOPMENT PROGRAM**

- Attended FDP National Webinar on **"Towards Excellence in Higher Education in India in the 21<sup>st</sup> century: Challenges and opportunities"** by (GAD-TLC) SGTB Khalsa College, University of Delhi under PMMMNMTT of MHRD programme on 29.04.2020.
- Attended FDP National Webinar on **"Development of Higher Education in India: An Overview"** by (GAD-TLC) SGTB Khalsa College, University of Delhi under PMMMNMTT of MHRD programme on 02.05.2020.
- Attended FDP National Webinar on **"e-Content Development Methodology: Four Quadrant Model, OERs and Copy right issues"** by (GAD-TLC) SGTB Khalsa College, University of Delhi under PMMMNMTT of MHRD programme on 15.05.2020.
- Attended FDP National Webinar on **"Women in Higher Education: Issues and Challenges during Corona Pandemic"** by (GAD-TLC) SGTB Khalsa College, University of Delhi under PMMMNMTT of MHRD Programme on 27.05.2020.
- Attended FDP on **"Enhancing Learning through Effective Teaching"** by Internal Quality Assurance Cell (IQAC) and UGC- Human Resource Development Centre (HRDC) Bharathidasan University, Tiruchirappalli on 28.11.2018.

### **INTERNATIONAL LECTURE IN FORENSIC SCIENCE**

- Participated in International lecture on **"The Role of Police Sketch Artists during Criminal Investigations"** by Sherlock Institute of Forensic Science SIFS INDIA Forensic Lab on 03.05.2020.
- Participated in International lecture on **"Forensic Entomology in Medico-Legal Investigations"** by SIFS INDIA Forensic Lab on 10.05.2020.
- Participated in International lecture on **"Fingerprint Comparison in a Digital Age"** by SIFS INDIA Forensic Lab on 17.05.2020.

### **GIAN COURSE (Global Initiative of Academic Network)**

- Participated in the **GIAN, "CHEMICAL KINETICS AND REACTION MECHANISMS IN TRANSITION METAL CHEMISTRY (CKRMTMC-19)"** one week course during 07<sup>th</sup> -11<sup>th</sup> January 2019, School of Chemistry, Bharathidasan University, Tiruchirappalli.
- Attended the **"Science Academies"** Lecture Workshop on **"Emerging Trends in Chemical Synthesis (ETCS-2018)"** organized by School of Chemistry, Bharathidasan University, Tiruchirappalli during March 22-24, 2018.

### **SEMINARS/CONFERENCES**

- Presented a paper in the 4<sup>th</sup> National seminar on Recent Trends in Smart materials **(NSSM- 2019) "Synthesis, structure, pharmacological profiles, hirshfeld surface analysis and DFT computations of multifaceted carbanionic sigma complex"** organized by KINGS College of Engineering, Punalkulam
- Presented a paper in the 10th MID-YEAR Chemical Research Society of India (CRSI) Symposium in Chemistry, **"2-Amino-1-methyl-4-oxo-4,5-dihydro-1H-imidazol-3-ium 5-(2,4-dinitrophenyl)-1,3-dimethyl-2,6-dioxo-1,2,3,6-tetrahydro pyrimidin-4-olate monohydrate — Synthesis, structural analysis and anticonvulsant activity"** organized by National Institute Technology, Tiruchirappalli, held on 23-25 July 2015
- Presented a paper in the International conference on "Materials and Drug Chemistry" (MDC-14) **"Synthesis, spectral characterization, crystal structure and anticonvulsant / acute toxicity of 1,4 diazabicyclo[2.2.2]octan-1-ium 4, 6-dioxo-2-thioxohexahydropyrimidin-5-ide"** organized by Dept. of Chemistry, Sarah Tucker College, Thirunelveli held on 27<sup>th</sup> August 2014 **(SECOND PRIZE FOR BEST PRESENTATION)**
- Presented a paper in the National Seminar on X-ray Crystallography (NSXC-2014) **"8-Hydroxyquinolinium 5-(5-chloro-2,4-dinitrophenyl)barbiturate --- Synthesis, spectral characterization and evaluation of single crystal X-ray analysis / biological studies"** organized by Dept. of Physics, Madurai Kamaraj University, Madurai, held on 29<sup>th</sup> September - 1<sup>st</sup> October, 2014
- Presented a paper in the "National Seminar on Recent Trends in X-ray Crystallography, **"Synthesis, spectral characterization and X-ray crystal structure of 1,4-diazabicyclo[2.2.2]octan-1-ium 5-(2,4,6-trinitrophenyl)**

**barbiturate"** organized by Dept. of Chemistry, Seethalakshmi Ramaswami College, Tiruchirappalli, held on 8<sup>th</sup> and 9<sup>th</sup> October 2014 (**ISBN. 978-81-909490-0-2**)

- Presented a paper in the National Seminar on Recent Trends in X-ray Crystallography, **"Crystal structure of trimethylammonium chloronitro phenylpyrimidine salt with dimethylsulphoxide solvate"** organized by Dept. of Chemistry, Seethalakshmi Ramaswami College, Tiruchirappalli, held on 8<sup>th</sup> and 9<sup>th</sup> October 2014 (**ISBN. 978-81-909490-0-2**)
- Presented the paper entitled on **"Synthesis, characterization and antimicrobial activity of 2,2'-bipyridin-1-ium 5-(5-chloro-2,4-dinitrophenyl)-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-olate"** World Conference On Infectious Diseases (WCID-2013) held at Chennai Trade Convention Centre (CTCC), Chennai, December 18 - 22, 2013 (**ISBN. 978-81-928547-0-0**)
- Presented the paper entitled on **"Synthesis, characterization and pharmacological study of metal complexes with benzopyran based ligands"** National Conference on Emerging Trends in Chemistry (NCETC-2012) held at Bishop Heber College, Tiruchirappalli (**BEST PAPER AWARD**)
- Presented the paper entitled on **"Co-oxidation of 3-methyl-2,6-diphenylpiperidin-4- one oxime by Cr (VI) oxidant in aqueous acetic acid medium-a kinetic and mechanistic study"** state level seminar on "NEW VISTAS IN CHEMISTRY" (NVC-2012) held at Jamal Mohamed College, Tiruchirappalli.

## WEBINARS

- Attended the webinar **"How Nanoscience and Technology Inspired from Nature and Transforming the World?"** organized by Dept. of Physics, Cauvery College for Women, Tiruchirappalli
- Attended the webinar **"Chemistry Behind MRI Contrast Agents"** organized by Dept. of Chemistry, Cauvery College for Women, Tiruchirappalli
- Attended the webinar **"Licensing of Technologies/ Patents in the Indian Context Dept. of Environmental Science"** organized by Amity University, Madhya Pradesh
- Attended the webinar **"Two Dimensional Materials for Diverse Applications"** organized by Dept. of Basic Sciences, Cambridge Institute of Technology, Bengaluru

- Attended the webinar "**Nuances of scholarly writing and manuscript preparation**" Stella Centre for Effective Education and Development organized by Stella Maris College, Chennai
- Attended the webinar "**An insight into NAAC – RAF IQAC**" organized by V.O. Chidambaram College, Thoothukudi
- Attended the webinar "**Advances in Biomass Energy Technology**" Dept. of Electrical Engineering, organized by Poornima College of Engineering, Jaipur

## WORKSHOPS

- Participated in the National workshop on "**Catalysis in Organic Transformations**" (NWCOT - 2016) organized by School of Chemistry, Bharathidasan University, Tiruchirappalli, held on October 20-21, 2016 (Sponsored by Royal Society of Chemistry - South India)
- Participated in the "**Structural Bioinformatics and Protein 3D Structure Visualization**" organized by the Dept. of Biotechnology & Bioinformatics, Bishop Heber College, Tiruchirappalli, held on 28<sup>th</sup> July 2014
- Participated in the Workshop on "**Photocatalysis for sustainability : fundamentals and applications**" held at Dept. of Chemistry, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli on October 09, 2013 (Sponsored by Royal Society of Chemistry - South India)
- Attended State level workshop on "**Structure determination of compounds by spectroscopic techniques a problem solving approach**" August 22 & 23, 2013 Dept. of Chemistry, Ethiraj College For Women, Chennai
- Attended National workshop on "**Green Techniques in Chemistry Laboratory Experiments**" (GTCLE-2013), conducted by Holy Cross College Tiruchirappalli, 9<sup>th</sup> January 2013
- Attended One Week Short Term Course on "**New Avenues in Chemical Sciences Research**", conducted by National Institute of Technology, Tiruchirappalli during 18-22 March 2013
- Attended "**The Symposium on Theoretical and Computational Chemistry : Frontiers & Challenges**" (STCC-FC) June 14 & 15, 2013 School of Chemistry, Bharathidasan University, Tiruchirappalli