

Name: Dr. P. Suresh  
Designation: Assistant Professor  
Department: Humanities and Sciences  
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Experience (in years): 13      Teaching: 8      Research: 13      Others(if any, specify):

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D.	2015	Inorganic chemistry and Material Chemistry
2	M.Sc.	2007	Organic Chemistry
3	B.Sc.	2005	Maths, Physics and Chemistry

### 2. Teaching and Learning:

2.1. **Teaching Interests:** Engineering Chemistry, Applied Chemistry and Environmental Chemistry

2.2. **Novel Teaching & Learning Techniques adopted:** Think-Pair-Share, Presentations and POGIL

2.3. **Involvement in curriculum updating / Design:** Nil

### 3. Co-curricular and Extra-Curricular Activities

3.1. **Interests and Hobbies:** Listening music and reading books.

3.2. **CCA/ECA Organized:** Nil

3.3. **CCA/ECA participated:** Nil

3.4. **Counselling and Mentoring Activity:** Nil

3.5. **Committees involved in:**

Department level: Nil

Institute Level: Nil

### 4. Conference / Workshop / Seminar / Guest Lectures:

4.1 **Conducted:** Nil

4.2 **Attended:**

- Attended as a faculty mentor for the course "Artificial Intelligence for All" conducted by IUCEE held from February 2023 to March 2023.

- Participated in DST-STUTI program on "Emerging Technologies in chemical Engineering: from theory, experiments to industry applications" organized by National Institute of Technology-Durgapur and Indian Institute of Technology-Dhanbad held from 22-08-2022 to 28-08-2022.

- Attended as a faculty mentor for the course "Artificial Intelligence for All" conducted by IUCEE held from January 2022 to June 2022.

- Participated in ATAL Faculty Development Programme on "Recent advancements in sustainable energy storage and conversion" organized by Manipal Institute of Technology held from 25-10-2021 to 29-10-2021.

- Participated in ATAL Faculty Development Programme on "Plastic Waste Management: Challenges & opportunities" organized by Central Institute of Petrochemicals Engineering & Technology held from 23-08-2021 to 27-08-2021.

- Participated in Faculty Development Programme on “Materials for Photonic Applications” organized by Department of Physics and Chemistry, Mahatma Gandhi Institute of Technology, Hyderabad held from 09-08-2021 to 13-08-2021.
- Participated in 1st International Conference on Emerging Porous Materials (ePorMat-21) organized by NISER Kolkata, VIT and IIT Jammu held from 29-07-2021 to 30-07-2021.
- Participated in ATAL Faculty Development Programme on “Waste Valorization towards a Sustainable Environment” organized by National Institute of Technology Durgapur held from 14-06-2021 to 18-06-2021.
- Participated in webinar on “Environment and Sustainable Development (An understanding of Sustainable Development Goals and its relevance for India)” organized by Acharya Nagarjuna University, Guntur on 24-06-2021.
- Participated in One Week Short Term Training Programme on “Advanced Materials Science and Engineering” organized by National Institute of Technical Teachers Training and Research, Kolkata held from 31-05-2021 to 04-06-2021.
- Participated in Faculty Development Programme on “Environmental Pollution – Sustainable Technologies for its Control (EP-STC)” organized by GMR Institute of Technology, Rajam held from 19-10-2020 to 21-10-2020.
- Participated in ATAL Faculty Development Programme on “Energy Engineering” organized by National Institute of Technology Silchar held from 26-09-2020 to 30-09-2020.
- Participated in One Week Short Term Course on “Recent Trends in Advanced Materials and Devices” organized by Dr B R Ambedkar National Institute of Technology Jalandhar, held from 21-09-2020 to 25-09-2020.
- Participated in webinar on “Science and the Senedd/Gwyddoniaeth a’r Senedd” organized by Royal Society of Chemistry on 22-09-2020
- Participated in TEQIP-III sponsored national webinar on “Sustainable Chemistry: Challenges and Opportunities (SCCO 2020)” organized by Department of Chemistry, Ver Surendra Sai University of Technology, Sambalpur, Odisha held from 19-09-2020 to 20-09-2020.
- Participated in webinar on “National education policy 2020- Higher education perspectives” organized by National Institute of Technical Teachers Training and Research, Bhopal on 17-09-2020
- Participated in ATAL Faculty Development Programme on “Novel Materials” organized by Government college of Engineering, Thanjavur held from 17-08-2020 to 21-08-2020.
- Participated in one week Faculty Development Programme on “Art of Effective Teaching” organized by Department of English (Humanities and Sciences), VJIT Hyderabad held from 03-08-2020 to 08-08-2020.
- Participated in Faculty Development Programme on “The Role of Materials Science in Engineering: Applications Perspective” organized by Department of Physics and Chemistry, Mahatma Gandhi Institute of Technology, Hyderabad held from 03-08-2020 to 07-08-2020.
- Participated in National Webinar on "Current Challenges in Experimental Physical Chemistry" organized by Department of Chemistry, IIT Dhanbad in association with The Royal Society of Chemistry held from 31-07-2020 to 01-08-2020.
- Participated in 1st Virtual International Symposium on C–H Activation (Virtual ISCHA Symposium) organized by Universitaet Goettingen, Germany held from 27-07-2020 to 30-07-2020 (17:30-20:30 IST).
- Participated in Webinar on "Multifunctional materials" organized by VNRVJIET, Hyderabad held from 15-07-2020 to 16-07-2020.
- Participated in Webinar on "Modern Trends in Chemistry and Biology" organized by Department of Chemistry, Central University of Karnataka on 13-07-2020.

- Participated in International Conference on “Recent Developments in Organic and Applied Chemistry-2020” organized by Department of Chemistry, School of Applied Sciences, Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar, Odisha held from 06-07-2020 to 07-07-2020.
- Participated in workshop on “Standards-Driven Research and Innovation in India” organized by IIT Bhilai on 28-06-2020.
- Participated in Faculty Development Programme on “Advances in Energy Materials for Storage Systems” by Department of Chemistry, GMRIT, Rajam during from 23-06-2020 to 26-06-2020.
- Participated in Webinar on “Enhance Research Visibility to Improve Ranking” conducted by: Tahseen Khanday, Solution Consultant Research Intelligence, Elsevier on 16-04-2020.
- Participated in International Conference on “Transformations In Engineering Education (ICTIEE-2020)” organized by Anurag Group of Institutions, Hyderabad held from 05-01-2020 to 08-01-2020.
- Participated in Two Day National Level Virtual Workshop on “The Role of Chemistry in Modern Healthcare” organized by Department of Physics and Chemistry, Mahatma Gandhi Institute of Technology, Hyderabad held on 3<sup>rd</sup> and 4<sup>th</sup> of July 2020.
- Participated in NAAC sponsored two days national seminar on quality improvement in technical education through outcome based education organized by Internal Quality Assurance Cell (IQAC), VJIT, Hyderabad held on 14-15 December, 2018.
- Participated in Faculty Development Programme on foundation program in ICT for education - FDP101x conducted by IIT Bombay held from 13-09-2018 to 17-10-2018.
- Participated in Faculty Development Programme on “meeting the challenges of teaching in modern engineering education” conducted by ITC, CBIT, Hyderabad held from 12-06-2017 to 17-06-2017.
- Participated in Faculty Orientation Workshop for enabling student’s induction in technical institutions organized by AICTE-south central regional office, Hyderabad at JNTU-Hyderabad held from 27-06-2017 to 01-07-2017.
- Participated in Workshop on “Performance Measures in Academic & Research Aspects” conducted by IQAC, CBIT, Hyderabad on 20-06-2017.
- Participated in symposium on Emerging Trends in Chemistry, CRSI (Trichy-Madurai Local Chapter), Madurai Kamaraj University, Madurai, India, during February 18-20, 2016.
- Participated in 17<sup>th</sup> National symposium in chemistry (CRSI-NSC-17), CSIR-NCL Pune, February, 6-8, 2015.
- Presented paper in symposium on Modern Trends in Inorganic Chemistry (MTIC-XV), Indian Institute of Technology Roorkee during Dec 13-16, 2013.
- Attended workshop on Introduction of Gaussian: theory and practice, Gaussian, Inc. Central Leather Research Institute and Indian Institute of Technology Madras during Jan 2-6, 2012.

## **5. Academic Contribution and Research & Consultancy:**

**5.1. Invited Lectures:** Nil

**5.2. Articles / Chapters published in Books:** Nil

**5.3. Books published as single author or as editor:** Nil

**5.4. Projects Guided:**

a) UG: Nil      b) PG: Nil

**5.5. Research Interests:** Inorganic chemistry, Organometallics and Material Chemistry

**5.6. Ph.D students:**

a) Enrolled: Nil                      b) Submitted: Nil      c) Awarded: Nil

**5.7. Papers published in reviewed journals:**

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISS N No.	Impact Factor/ Citation Index	National/ International
1	A facile access to sterically less crowded to more crowded organo triselenones	Chemistry Select, 3, 1294-1299.	2365-6549	2.307	International
2	First mononuclear lanthanide imidazolium carboxylates	Chemistry Select, 2, 9920-9923.	2365-6549	2.307	International
3	Catalytically active lead(II)-imidazolium coordination assemblies with diversified lead(II) coordination geometries	Dalton Transactions, 45, 8164-8173.	1477-9234	4.569	International
4	A rare binuclear metallocyclic planar 20, 26 and 34 membered zinc-organic rings	Polyhedron, 93, 84-90.	0277-5387	2.975	International
5	Heavier chalcogenone complexes of bismuth(III) trihalides: potential catalysts for acylative cleavage of cyclic ethers	RSC Advance, 5, 15579-15590.	2046-2069	4.036	International
6	Semi rigid imidazolium carboxylate controlled structural topologies in zwitterionic coordination networks	Polyhedron, 2015, 89, 322-329.	0277-5387	2.975	International
7	Photoluminescent calcium azolium carboxylates with diversified calcium coordination geometry and thermal stability	Dalton Transactions, 44, 7338-7346.	1477-9234	4.569	International
8	Crystal structure and solid state properties of discrete hexa cationic trinuclear zinc triazol cluster	Journal of Chemical Sciences, 127, 1369-1373	0973-7103	1.7	International
9	Synthesis, characterization and applications of vinyl functionalized N-heterocyclic carbene supported ruthenium(II) derivatives	Indian Journal of Chemistry Sec A, 54A, 588-595.	0975-0975	0.412	National
10	Cationic zinc (II) dimers and one dimensional	Journal of Chemical	0973-7103	1.7	International

	coordination polymer from ionic carboxylic acid	Sciences, 126, 1409-1415.			
11	N-heterocyclic carbene supported heavier group 14 elements: recent progress and challenges	Coordination Chemistry Review, 269, 96-133.	0010-8545	24.833	International
12	Synthesis, crystal structure and spectral properties of copper(II) monomer decorated copper(II) coordination polymer	Journal of Molecular Structure, 1062, 141-146.	0022-2860	3.841	International
13	Cadmium coordination polymers based on flexible bis(imidazole) ligands: A rare example for doublet of doublet cadmium polyhedron arrangements	Journal of Molecular Structure, 1075, 147-153.	0022-2860	3.841	International
14	Luminescent imidazolium carboxylate supported aggregate and infinite coordination networks of copper and zinc	Dalton Transactions, 42, 10836-10846.	1477-9234	4.569	International
15	A mild approach to the synthesis of 1,2-diferrocenylethanedione from ferrocenealdehyde	Journal of Organometallic Chemistry, 720, 46-51.	0022-328X	2.345	International
16	The first monomeric $\beta$ -diketiminato stabilized four coordinated bismuth(III) bistrifluoromethanesulfonate	Journal of Inorganic and General Chemistry, 638, 617-620.	1521-3749	1.492	International
17	Synthesis and characterization of vinyl imidazolium salts: solution state study to realize the influence of different anions	Journal of Molecular Structure, 1024, 170-175	0022-2860	3.841	International

#### 5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Nil			
2				

#### 5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Direct amide synthesis from alcohols and amines <i>via</i> vinyl functionalized N-heterocyclic carbene based ruthenium catalysts	TEQIP-III, JNTUH	25-09-2019 to 31-03-2021	2,32,541/-	Completed

#### 5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
	Nil				

#### 6. Awards / Honors received:

- Elected as a Fellow of Indian Chemical Society, 2021.
- Received Research Excellence Award at IIT Hyderabad in 2015.
- Received Senior Research Fellowship, Council of Scientific and Industrial Research (CSIR).
- Received Junior Research Fellowship, Council of Scientific and Industrial Research (CSIR).
- Qualified Graduate Aptitude Test in Engineering (GATE).

#### 7. Motto: Nil