Dr. MANOHAR. P
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Contact Address	S/O Pillegowda A M, #44, 1st main road, 2nd cross, Hebbala, Bengaluru, Karnataka, 560024, **Email:** manohargowda888@gmail.com
Current Research Interests	Solving problems related to Inorganic, Organometallic, Bio–Inorganic and Organic chemistry in particular; redox, conductive, spectroscopic properties and mechanism nanocomposites using computational methods.
Aug 2018-2020	I was handling in Inorganic Chemistry theory and practicals as Guest Faculty, Department of Chemistry, Bangalore University, Jnanabharathi, Bengaluru and Department of Chemistry, Central College, Bengaluru Central University, Bengaluru,
Feb-2020- till now	I am working as a Assistant Professor in Department of chemistry, KLE's S Nijalinagappa College, Rajajinagara, Bengaluru, I am handling subjects such as Inorganic chemistry, Molecular spectroscopy, Inorganic NMR spectroscopy, UV-Vis spectroscopy, Mass Spectrometry, NQR, ESR, Mossbauer spectroscopy, Quantum mechanics and Inorganic Chemistry Practicals

Qualifications

2011–2014		**M.Sc. Chemistry** **Specialization:** Inorganic Chemistry Department of Chemistry, Central College Campus, Bangalore University, Bengaluru.
2014-2015		Working as a **Project assistant in DST-SERB Project**, Dr. Ganga Periyasamy Research Lab, Department of Chemistry, Central college, Bangalore University, Bengaluru
2017		**Karnataka State Eligibility Test (KSET).**
Feb 2015-Dec 2018		**PhD in Chemistry,** **Specialization:** Physical Chemistry **Thesis Title:** Computational Studies on Structural, Electronic, Redox and Optical Properties of various Ligand and Solvent protected Bimetallic Gold Nanoclusters **Area of research:** Computational and Theoretical chemistry **Supervisor:** Dr. Ganga Periyasamy

Publications

	1	DFT studies on the influence of ligation on optical and redox properties of bimetallic $[Au_4M_2]$ clusters, **M Pillegowda and G Periyasamy**, **RSC Advances**, 2016, 6, 86051–86060. **(IF:4.036)**
	2	Influence of Ionic Liquid Solvation on Various Size Homo- and Heterometallic Clusters

		[M'mMn] (M and M'= Au, Cu, Ag, Ni, Pd and Pt) **Manohar Pillegowda and Ganga Periyasamy, Chemistry select**, 2017, 1, 1-8. **(IF:2.307)**
	3	DFT studies on interaction between bimetallic [Au_2M] clusters and cellobiose, **Manohar Pillegowda and Ganga Periyasamy, Computational and Theoretical Chemistry**, 2018, 1129, 26–36. **(IF:2.00)**
	4	DFT Study on Morphological Change in Bimetallic Gold Nanocluster, **Manohar Pillegowda and Ganga Periyasamy**, **IJETCAS journal**, (ISSN Online: 2279-0055), 2017**,**
	5	Synthesis, crystal structures, photophysical, electrochemical studies, DFT and TD- DFT calculations and Hirshfeld analysis of new 2,20 :60,200-terpyridine ligands with pendant 40-(trimethoxyphenyl) groups and their homoleptic ruthenium complexes, Golla Ramesh, Raghavendra Kumar P., **Manohar Pillegowda, Ganga Periyasamy**, P. A. Suchetan, R. J. Butcher, Sabine Forod and Nagaraju, **New J. Chem.,** 2020, 44, 11471 **(IF:3.59)**
	6	Bi Functional Sensitizers Anchoring through Carboxylate Group of New heteroleptic Ruthenium Sensitizers based on 4'-(Ar)-2,2':6',2''-terpyridines, Golla Ramesh, P Raghavendra Kumar , **Manohar Pillegowda**, Shridhar Mundinamani, Ganga Periyasamy, and G. Nagaraju (Communicating)
	7	Investigation on Optical and Impedance Properties of NaI/KI Blended Sod-Carboxy Methyl Cellulose Biodegradable Polymers Prepared by Solution-casting Technique Ganesh Shridhar Hegde; Rajeev R. Potadar; A. N. Prabhu; **Manohar Pillegowda**; Suchitra Putran; M. S. Murari; Jahnavi K. R.; Sujeet Kumar, Seema S. Pattanshetty; D Vinay;(Communicating)
		Conference attended
		1. International conference on Nanoparticle Assembly: From Fundamentals to Applications Faraday Discussion 07/01/2016 to 09/01/2016 Indian Institute of Technology Bombay, Powai, Mumbai, India. **2.** Winter School-2016 on Frontiers in Materials Science, December 5-9, Organized by ICMS, University of Cambridge and Sheikh Saqr Laboratory at Jawaharlal Neharu Centre for Advanced Scientific Research, Bengaluru-64. **3.** 15th Indian Theoretical Chemistry Symposium, December 14-17, School of Chemistry, University of Hyderabad, Hyderabad. **4.** National Conference on Materials Science and Technology, July 14th, Government of India, Department of Space, Valiamala P.O., Thiruvananthapuram-47. **5.** Three-day seminar/lecture series/workshop on "Recent Research Developments in Chemistry", on 26th March 2015, at Dept. of Chemistry, Bangalore University, Bengaluru-01. **6.** National conference on Emerging Trends in Applied Sciences, ETAS-17, Rajarajeshwari college of Engineering, Kumbalagodu, Mysore road, Bangalore-560074. **7.** National Conference on Research Advances in Science & Technology, 26th - 27th May 2017, Ooty, Tamilnadu. **8.** 10th Annual Conference of Karnataka Science and Technology Academy 2018,

		January 18-19, Reva university, Bengaluru, Karnataka. **9.** International Conference on Innovations and Challenges in Science and Technology 2018, DBIT, Bengaluru, Karnataka. **10.** Research proposal writing and opportunities in the field of science, Engeneering and Management, BIT, VV puram, Bengaluru **11.** Insight into analytical techniques and its applications, 2021, Acharya Institute of Graduate studies, soladevanahalli, Bengaluru **12.** National webinar on 'Adavanced Energy Sources for future generations' , 2020, smt danamma channabasavaiah college of arts commerce,science and management studies, kodiramasandra, Kolar **13.** International webinar 'From minerals to futuristic functional materials, St, joseph college for autonomous, Bengaluru **14.** National webinar on 'Polymer composites and its applications', department of chemistry, national college, Gauribidanur **15.** FDP on Computational chemistry of material; molecules, solids, nanomaterials and biological activity, centre for advanced computational chemistry studies, Delhi, India, Oct 5th-11th 2022

Professional and Academic Experience

- Guided students for their project work in Metal complex synthesis and characterization studies, during the year 2015 and 2016, for the fulfillment of M.Sc., course.
- **BOE** Member of

- **Bengaluru City University,**
- **Reva University,**
- **Indian Academy of Sciences,**
- **BMS college for Women,**
- **Maharani Cluster University**

- Three years' research experience as a *Project Fellow* under a DST-SERB project entitled "**Computational Studies on Structural, Electronic, Redox and Optical Properties of various Ligand and Solvent protected Bimetallic Gold Nanoclusters***"* [Dr. Ganga Periyasamy Research Lab, Department of Chemistry, Central college, Bangalore University, Bengaluru].

Declaration

All the statements made in my Curriculum Vitae are true and correct to the best of my knowledge.

Place: Bengaluru **MANOHAR P**