

FACULTY PROFILE

Title	Dr.	Name	ERE VIJAYA SEKHAR		
Designation		Head & Assistant Professor			
Department Name		PG Chemistry			
Address:		#24, 4 th main , First cross, first floor, K H B Colony, Kuvempunagara. Mysuru.			
Phone Number		Mobile	9704826834		
Email		vijaysekhare@gmail.com			
Subjects Taught		Inorganic Chemistry, Coordination Chemistry, Bioinorganic Chemistry			
Areas of Interest/Specialization on		Coordination Chemistry & Nano science and Technology			
Experience (in years)		Teaching	15 Years		
		Research	15 Years		
Educational Qualifications		UG	B.Sc		
		PG	M.Sc. Chemistry		
		Doctorate	Ph.D. in Chemistry		
RECENT SELECTED PUBLICATIONS		1. Vijaya Sekhar E , “Green Synthesis of Selaginella Incorporated Lanthanum Oxide (La₂O₃) Nanoparticles: Structural Analysis, Photoluminiscence Performance and Cytotoxicity Evaluation”. Communicated to <i>Chemistry and Biodiversity Journal</i>. 2. Vijaya Sekhar E, “Simultaneously determination of venetoclax and Obinuzumab by LC-MS/MS and its application to Pharmacokinetic drug interaction studies”. <i>Brazilian Journal of Pharmaceutical sciences</i> 3. Vijaya Sekhar E, “Eco-Friendly synthesis of CeO₂ Nanoparticles: Photocatalytic, Dopamine sensing and Fingerprint detection application”. Communicated to <i>Journal of trace elements in medicine and Biology Journal</i>. 4. Vijaya Sekhar E, Rangaswamy J, Bhat M, Naik N. 2-(4-nitrophenyl)iminomethylphenol Schiff base metal complexes: Synthesis, spectroscopic characterization, anticancer and antimicrobial studies. <i>Inorganic and Nano Metal Chemistry</i>. 2022; 52(9): 1-10. (I.F: 1.7, Q3)			

	5. Sekhar EV, Karki SS, Rangaswamy J, Bhat M, Kumar S. Synthesis, characterization, and biological evaluation of some 4-((thiophen-2-yl-methylene)amino)benzenesulfonamide metal complexes. Beni-Suef University of J Basic and Applied Sciences. 2021; 10 (28). (I.F: 2.5, Q2). 6. El-Denglawey A, Manjunatha, K, Vijaya Sekhar E, Chethan B, Zhuang J, Angadi JV. Rapid response in recovery time, humidity sensing behaviour and magnetic properties of rare earth (Dy & Ho) doped Mn-Zn ceramics. Ceramics International. 2021; 47(20): 28614-22. (I.F: 5.1, Q1). 7. Jagadeesha Angadi V, E. Vijaya Sekhar, N B Shigalli, Khalid Mujsambatoo. <i>et al.</i> Synthesis and Study of transition metal doped ferrites useful for permanent magnet and humidity sensor applications. Journal of Magnetism and Magnetic materials 2022; 564(1):170088 (I.F:2.5, Q2). 8. B.K, Sagar, Mahesh Bhat, and E. Vijaya Sekhar, Synthesis, Characterization, and Photocatalytic Applications of ZnO-Fe₂O₃/PVA Nanocomposite. Letters in applied Nanobioscience, 2025; 14 (1) 45 (Q3).
Papers Published in Conference Proceedings	1. Presented the paper titled “Synthesis, characterization and biological evaluation of Schiff base metal complexes” at the Two-day International Conference organised by Department of Studies in Chemistry and Department of Studies in Organic Chemistry, University of Mysore in association with the Chemical Biology Society india on 28-29th May 2025, at Vijnana Bhavan, University of Mysore, Manasagangothri, Mysuru. 2. Presented the Paper titled “Synthesis, Characterization and antimicrobial Studies on the metal complexes of 4-nitroaniline based Schiff Base” organized by Indian Science Congress Association, held at GKVK, Bangalore, on 3rd to 7th January 2020. 3. Presented the Poster titled “Synthesis, Characterization and biological evaluation of transition metal complexes of <i>N'</i>-(furan-2-yl-methylidene)-pyridine-4-carbohydrazide” organized by one day National conference on Advancement in Chemistry and Medicinal Chemistry (ACMC- 2023), Bharathi College, Bharathinagara. on 9th December 2023 4. Presented the Poster titled “Spectral and Anti-Microbial Studies on the La(III) and Ce(IV) complexes of a of a Novel Schiff Base” (NCICS)-2020, held at Vignana Bhavan, University of Mysore, Manasagangothri, Mysuru on 30th and 31st January -2020.

	5. Presented the paper titled “Synthesis, characterization and antimicrobial Studies on the metal complexes of Salicylaldehyde with p-nitroaniline based Schiff Base” in the National Conference on Science and Technology: Rural Development-2019” (NCSTRD) held at Centre for materials science and technology/Vijnana Bhavan, University of Mysore, Manasagangothri, Mysuru on 17 th and 18 th October 2019.		
Books Authored/Book Volume Chapters	1.E Vijaya Sekhar: Structural Activity Relationship and in-silico methods in drug design/ Banthem Science publication. 2. Mahesh Bhat, Sagar B.K, E Vijaya Sekhar E, Supreeth M: Design, Synthesis of Sulfadiazine and Sulfisoxazole Guanidine Derivatives as Promising Anti-TB agents: An <i>in-silico</i> and <i>in-vitro</i> Approach: Current prospectives on chemical sciences, Book Publisher International. 3. Mahesh Bhat, E. Vijaya Sekhar, Mamatha: Importance of Quinazoline and Quinazolinone derivatives in Medicinal Chemistry, Book chapter Studies in Natural Product Chemistry, Elsevier publication.		
No. of Conferences	National	Attended	Organized
		05	02
	International	10	-
No. of workshops/Seminars		Attended	Organized
	National	01	02
	State Level	04	03
No. of Faculty Development Programmes		Attended	
	National	05	
	State Level	05	
Research Guidance	AWARDED	Doctorate	P G
		---	30 (Dissertations)
	Undergoing	03	06

