

Curriculum Vitae

1. Name and full correspondence address
Raghavaiah Pallepogu
Professor
Department of Chemistry
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3. Date of Birth 01-07-1971
4. Gender Male
5. **Academic Qualification:**

	Degree	Year	Subjects	University / Institution
1	B. Sc.	1991	Chemistry Botany Zoology	Acharya Nagarjuna University Nagarjuna Nagar Andhra Pradesh
2	B. Ed.	Dec 1992	Biology & English	Acharya Nagarjuna University Nagarjuna Nagar Andhra Pradesh
3	M. Sc.	1995	Chemistry	University of Hyderabad Hyderabad

6. **Ph.D. thesis title, Guide's Name, Institute/Organization/University, Year of Award:**

Ph. D. Thesis title: "Supramolecular Assemblies of Amine-based Compounds in Combination with Different Counter Systems Ranging from Inorganic Anions, a Heteropoly Anion and Substituted Organic Acids"

Guide's Name: Professor B.R. Srinivasan & Professor K.S. Rane, Department of Chemistry, Goa University, Goa, India, awarded in the year July 2008.

(Thesis work was carried out at Professor Samar K. Das's research laboratory at School of Chemistry, University of Hyderabad, Hyderabad after completion of the coursework at Goa University)

7. **Work experience (in chronological order):**

S. No	Positions Held	Name of the Institute	From	To	Pay scale
1	Professor	Central University of Karnataka	March 2023	To date	14, 1,44,200 – 2,18,200

2	Associate Professor	Central University of Karnataka	Feb' 2020	March 2023	13A, 1,31,400 – 2,17,100
3	Assistant Professor	Dr. Harisingh Gour University (A Central University), Sagar, (MP).	Dec' 2013	Feb' 2020	10, 57,700 – 1,82,400
4.	Post-doctoral Fellow	Centre for Supramolecular Chemistry Research, Chemistry Department, University of Cape Town (UCT) South Africa under the supervision of Prof. Mino Caira.	June 2013	Nov' 2013	220, 000/- Rand per annum
		(On Study Leave from UoH to carry out postdoctoral studies at UCT during this period)			
5	Scientific Officer	University of Hyderabad	Nov' 2010	Dec' 2013	15,600 – 39,100 (VI CPC)
6	Research Associate / Pool Officer	UGC-Networking Resource Centre Project School of Chemistry University of Hyderabad	Oct' 2008	Aug' 2010	Consolidated salary as per VI CPC

8. Research Guidance:

One PhD awarded and few are working for PhD, have been guiding MSc projects.

9. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant:

S. No.	Name of the Award	Awarding Agency	Year
1	Dr. D.S. Kothari Postdoctoral Fellowship	UGC	2008

10. Research Grants (Completed):

1. UGC Start-Up Research Grant (New Delhi), in the year 2014; value: 6, 00, 000/-
2. DST SERB as PI during the period April 2016 to March 2018; value: 11, 00, 000/-

11. Research Interests:

- Chemical Crystallography and Supramolecular beneficiation of targeted drug molecules (APIs) using Solid-state techniques and Crystal Engineering.
- Pharmaceutical Cocrystals.
- Inorganic Supramolecular Chemistry.
- Investigation of Symmetry Breaking in small molecules to understand the phenomenon of Supramolecular Chirality.

12. Publications (List of papers published in SCI Journals, for the last five years in year wise descending order). Refer Google Scholar for complete list of publications:

<https://scholar.google.com/citations?hl=en&user=Zz32JJoAAAAJ>

Author (s)	Title	Name of the Journal	Volume	Page	Year	DOI
Ashwath Kudlu, Deep Kumar Das, Rangarajan Bakthavatsalam, Jisvin Sam, Soumyadip Ray, Padmabati Mondal, Sudipta Dutta, Venkatesha R Hathwar, Raghavaiah Pallepogu , and Janardan Kundu	Strong Dopant–Dopant Electronic Coupling in Emissive Codoped Two Dimensional Metal Halide Hybrid	The Journal of Physical Chemistry Letters (ACS)	14, 21	4933 – 4940	2023	https://doi.org/10.1021/acs.jpclt.3c00902

Jumana Hasin Marayathungal, Deep Kumar Das, Rangarajan Bakthavatsalam, Jisvin Sam, Venkatesha R. Hathwar, Raghavaiah Pallepogu , Sudipta Dutta, and Janardan Kundu	Mn ²⁺ -Activated Zero-Dimensional Metal (Cd, Zn) Halide Hybrids with Near-Unity PLQY and Zero Thermal Quenching	The Journal of Physical Chemistry C (ACS)	127	8618 – 8630	2023	https://doi.org/10.1021/acs.jpcc.2c08264
Deep Kumar Das, Rangarajan Bakthavatsalam, Venkatesha R. Hathwar, Raghavaiah Pallepogu and Janardan Kundu	Intrinsic vs. extrinsic STE emission enhancement in ns ² ion doped metal (Cd, In) halide hybrids.	Journal of Materials Chemistry C (RSC)	11	3855 – 3864	2023	https://doi.org/10.1039/D2TC04361K
Madhava Reddy Manne, Rakesh R Panicker, Kumar Ramakrishnan, Hima M. K. Hareendran, Sudhir Kumar Pal, Sanjit Kumar, Raghavaiah Pallepogu , Rajagopal Desikan, and Akella Sivaramakrishna	Synthesis and Biological Evaluation of a Series of Quinoline-Based Quinazolinones and Carbamic Anhydride Derivatives.	ChemistrySelect (Wiley-VCH)	8	e202204508	2023	https://doi.org/10.1002/slct.202204508
Biplob Borah, Naveena S. Veeranagaiah, Samrita Sharma, Mihir Patat, Madavi S. Prasad, Raghavaiah Pallepogu and L. Raju Chowhan	Stereoselective synthesis of CF ₃ -containing spirocyclic-oxindoles using N-2,2,2-trifluoroethylisatin ketimines: an update.	RSC Advances	13	7063 – 7075	2023	10.1039/D3RA00017F
Ayyasami Kathiresan, Pallepogu Raghavaiah , Krishnan Srinivasan, Subbaiah Govindarajan	Effect of pendent alkyl group of ancillary ligand on molecular structures of new metal(II)-2, 4-dinitro benzoate complexes-spectral, structural and photoluminescence studies.	Journal of Molecular Structure (Elsevier)	1283	135275	2023	https://doi.org/10.1016/j.molstruc.2023.135275
Shailykumari K. Patel, Komal Kolte, Chirag J. Savani, Pallepogu Raghavaiah , Dhruvi Dave, Anvarhusein A. Isab, Disha Mistry, Devesh Suthar, Vinay K. Singh,	New series of MII-dithiocarbamate complexes (M = CuII, NiII and ZnII) holding pendant N,O-Schiff base moieties: Synthesis, characterization, photophysical, crystallographic, anti-microbial and DFT study.	Inorganica Chimica Acta (Elsevier)	543	121139	2022	https://doi.org/10.1016/j.ica.2022.121139
Deep Kumar Das, Rangarajan Bakthavatsalam, Vishnu Anilkumar, Bhupendra P Mali, Md Soif Ahmed, Sai Santosh Kumar Raavi, Raghavaiah Pallepogu , and Janardan Kundu	Controlled Modulation of the Structure and Luminescence Properties of Zero-Dimensional Manganese Halide Hybrids through Structure-Directing Metal-Ion (Cd ²⁺ and Zn ²⁺) Centers.	Inorganic Chemistry (ACS)	61, 13	5363 – 5372	2022	https://doi.org/10.1021/acs.inorgchem.2c00160
Anwarhussaini Syed, Renuka H, Anuradha Mohitkar, Raghavaiah Pallepogu , Mahadev Sai Karthik Challa, Sanket Goel and Subbalakshmi Jayanty	Photophysical, electrochemical properties and flexible organic solar cell application of 7,7-bis(1-cyclopropyl carbonyl piperazino)-8,8 dicyanoquinodimethane.	Materials Advances (RSC)	3	3151 – 3164	2022	10.1039/D1MA00778E
Palaniyappan Nagarasu, Anu Kundu, Vijay Thiruvengatam, Pallepogu Raghavaiah , Savarimuthu Philip Anthony and Vedichi Madhu	Investigating the structure-fluorescence properties of tetraphenylethylene fused imidazole AIEgens: reversible mechanofluorochromism and polymer matrix controlled fluorescence tuning.	CrystEngComm (RSC)	23	5403 – 5410	2021	https://doi.org/10.1039/D1CE00561H
B.R. Srinivasan, K.T. Dhavskar and Pallepogu Raghavaiah	Structural characterization of catena-[bis(μ-4-nitrobenzoato)-diaqua-calcium 4,4'-bipyridine] and catena-[bis(μ-4-	Indian Journal of Chemistry A (CSIR-	60	785-796	2021	http://or.nispr.res.in

	nitrobenzoato)-diaqua-calcium 1H-1,2,4-triazole].	NIScPR journals)				
E. Veerashekhara Goud, A.S. Vijai Anand, Pallepogu Raghavaiah , C.V.S. Brahmmananda Rao, S. Nagarajan and A. Sivaramakrishna	Unexpected Coordination Modes of Bisphosphoramides with Lanthanum(III) and Thorium(IV) Salts: Synthesis, Structural Characterization, Stability, and Extraction Studies.	ChemistrySelect (Wiley-VCH)	6	2085 – 2093	2021	https://doi.org/10.1002/slct.202004516
D. Sardar, P. Datta R. Saha, Pallepogu Raghavaiah and C. Sinha	Rhodium(III) supported amination reaction of a pendant naphthyl group: Structure, electrochemistry and theoretical interpretation.	Polyhedron (Elsevier)	171	542–550	2019	https://doi.org/10.1016/j.poly.2019.07.045
A. Ravikiran, M. Arthanareeswari, S. Devikala and Pallepogu Raghavaiah	Hydrated Moxonidine Saccharinate Salt: Synthesis, Characterization, Crystal structure determination and dissolution enhancement.	Materials Today: Proceedings (Elsevier)	14	618–629	2019	https://doi.org/10.1016/j.matpr.2019.04.185
P. Paul, K.R.N. Bhowmik, S. Roy, D. Deb, N. Das, M. Bhattacharjee, R.N. Dutta Purkayastha, L. Male, V. Mckee, Pallepogu Raghavaiah , D. Maiti, A. Bauza, A. Fontera and A. M. Kirillov	Synthesis, structural features, antibacterial behaviour and theoretical investigation of two new manganese(III) Schiff base complexes.	Polyhedron (Elsevier)	151	407–416	2018	https://doi.org/10.1016/j.poly.2018.05.043
R. Mishra, K. Rangan and Pallepogu Raghavaiah	Crystal structure of a new molecular salt: 4-aminobenzenaminium 5-carboxypentanoate.	Acta Cryst. Section E (IUCr)	74	201–205	2018	https://doi.org/10.1107/S2056989018000737
R. Mishra and Pallepogu Raghavaiah	Supramolecular heterosynthon assemblies of ortho-phenylenediamine with substituted aromatic carboxylic acids.	Acta Cryst. Section B (IUCr)	74	32–41	2018	https://doi.org/10.1107/S2052520617014299

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