

Faculty Profile

Brief Profile (Few Paragraphs)

Faculty Pto

Personal Information

- **Name:** Dr. Rita Hemanth Shankar
- **Designation:** Assistant Professor
- **Department:** Chemistry
- **Email:** ritahs@rvce.edu.in
- **Phone:** 9921011073

Google Scholar: <https://scholar.google.com/citations?hl=en&user=BOF-9SgAAAAJ>

ORCID: <https://orcid.org/my-orcid?orcid=0009-0009-6086-3143>

Domain of Expertise

Research Focus

- **Primary Area:** Synthetic inorganic chemistry
- **Allied Areas:**
 - Coordination polymers and MOF's

Academic Qualifications

- **Ph.D.:** Inorganic Chemistry, Goa University, 2019
- **M.Sc.:** Inorganic Chemistry, Goa University, 2010

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	Goa University, Goa	Assistant professor	25/08/2022- 11/05/2023
2.	St. Joseph Vaz College, Cortalim, Goa	Assistant professor	22/07/2019- 21/05/2022
3.	St. Xavier's College, Mapusa, Goa	Assistant professor	19/06/2018- 30/04/2019

4.	Dhempe College, Miramar, Goa	Assistant professor	06/12/2017- 28/03/2018
5.	Govt. College of Pharmacy, Goa	Lecturer	01/06/2010- 30/04/2012
6.	Dhempe College, Miramar, Goa	PROJECT ASSISTANT	MARCH 2011- MARCH 2013

Publications & Patents

Journal Publications

1. **Rita N. Jyai**, Christian Näther, Wolfgang Bensch & Bikshandarkoil R. Srinivasan, Structural characterization of sodium and potassium 3-nitrohydrogenphthalate coordination polymers, Zeitschrift für Naturforschung B 77, 2022, 433, <https://doi.org/10.1515/znb-2022-0049>
2. **Rita N. Jyai** & Bikshandarkoil R. Srinivasan, Syntheses, structures, reactivity studies and properties of anionic water rich bivalent metal phthalates, Journal of Molecular Structure, 2019, 89, <https://doi.org/10.1016/j.molstruc.2018.10.012>
3. **Rita N. Jyai** & Bikshandarkoil R. Srinivasan, Piperazinediium bis(μ_2 -phthalato)zincate(II) monohydrate: A new ladder coordination polymer with an unique supramolecular architecture, Indian Journal of Chemistry, 54A, 2015, 1402, <http://nopr.niscpr.res.in/handle/123456789/33428>
4. Bikshandarkoil R. Srinivasan, Soorambail K. Shyama, Suvidha G. Naik & **Rita N. Jyai**, On the existence of ‘bis (L-glutamine) potassium nitrate’ crystal, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 136, 2015, 334, <https://doi.org/10.1016/j.saa.2014.08.148>
5. Bikshandarkoil R. Srinivasan & **Rita N. Jyai**, Reinvestigation of growth of ‘L-valine zinc sulphate’ crystal, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 120, 2014, 621, <https://doi.org/10.1016/j.saa.2013.11.062>
6. Bikshandarkoil R. Srinivasan, Savita S. Khandolkar, **Rita N. Jyai**, Krishnan Ravikumar, Balasubramanian Sridhar & Subramanian Natarajan, Structural and spectral characterization of a new non-centrosymmetric organic thiosulfate, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 102, 2013, 235, <https://doi.org/10.1016/j.saa.2012.09.103>
7. Yasmin Modassir, Manoj M. Ibrampurkar, Varsha D. Virginkar & **Rita N. Jyai**, Geochemical Assessment of Groundwater Quality in Mhadei River Watershed, Goa, India, International Journal of Theoretical & Applied Sciences, 7, 2015, 13, ISSN No. (Print): 0975-1718.

Teaching

Core Courses: **[Current semester]**

- CM221IC, Chemistry of Engineering materials.

Lab Courses:

- CM221IC, Chemistry of Engineering materials.
- CM221IB, Chemistry of Functional materials.

Professional Roles

Responsibilities

- **Academic:** Course Coordinator