

## CURRICULUM VITAE

### **DR. RAZA RASOOL**

Assistant Professor

Department of Chemistry, Gandhi Faiz-E-Aam College

Shahjahanpur-242001, U.P., India

E-mail: [razarasool@gmail.com](mailto:razarasool@gmail.com)

Mobile No.: +91-9313561957

★ **Qualification/Specialization:** Ph.D. (Chemistry)/Inorganic Chemistry

★ **Experience:**

- Teaching experience of TEN Years
- Research experience of TEN Years.

★ **Fields of Interest:**

Inorganic chemistry, Coordination polymers, Metal Complexes

★ **Membership:**

- ❖ Life Member of Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES)-Hong Kong Membership no: 100788
- ❖ Life Member of **SOCIETY FOR MATERIALS CHEMISTRY (SMC)**-BARC, Mumbai. Membership no: L637
- ❖ Life member of **ASIAN POLYMER ASSOCIATION**, Membership no: L352

★ **Fellowship / Awards:**

- \* Awarded **UGC-BSR Meritorious Fellowship** for the year 2012-2013.
- \* **First prize winner** in cultural activity at **District level**.
- \* Received **Best Poster Award**.

\* Recipient of Several prizes for co-curricular activities.

★ **Academic /Non- Academic Responsibilities:**

- **Member Secretary, Board of Studies**, Department of Chemistry, (Uttaranchal University, Dehradun) Session 2013-2014.
- **Designed syllabus for M.Sc., B.Sc. and Dip Engg.** Department of Chemistry, (Uttaranchal University, Dehradun).
- **Incharge: Antiragging Committee**, (Uttaranchal University, Dehradun).
- **Teaching Chemistry to M.Sc., B.Sc. and B.Tech. students**, at Department of Chemistry, Uttaranchal University, Dehradun).
- **Coordinator, Cultural Fest Uttaranchal Yuva Fest 2014**, (Uttaranchal University, Dehradun)
- **Coordinator, Cultural Fest 2016**, IMS Engineering College, Ghaziabad (AKTU)
- **Class Coordinator of M.Sc., B.Sc., B.Tech. and Dip. Engg. students**, Department of Chemistry, Uttaranchal University, Dehradun.
- **Invigilation & paper setting:** As Invigilator & University paper setter.
- **Coordinator, Tech-Fest 2015**, Department of Chemistry, Uttaranchal University, Dehradun.
- **Coordinator, Student Club “Srijan”** IMS Engineering College, Ghaziabad (AKTU)

★ **Other Academic Responsibilities:**

- **Supervision of M.Sc. students** in their research projects and viva related to coordination polymers and synthesis of nano-particles.
- Synthesis and Characterization of Coordination polymers and their applications, **Shad Ahmad** (2008-2009)
- Synthesis and Characterization of Formaldehyde based Resin for Antimicrobial Application, **Iram Quadri** (2009-2010)
- Synthesis and Characterization of Metal Based Schiff Base Polymers, **Usha** (2009-2010)
- Synthesis and Characterization of Metal Oxide Nano-Particles **Mehrajuddin Parrey** (2010-2011)
- Synthesis and Characterization of Metal Oxide Nano-Particles, **Mohd. Asif** (2011-2012)
- Synthesis, Characterization and Antimicrobial Studies of Schiff Base Metal Polychelates, **Mohd Wasim** (2012-2013)

- Polymer Based Slow Release Pesticide, **Amit** (2014-2015) Department of Chemistry, Uttaranchal University, Dehradun.

## ★ Publications in International Journals

### LIST OF PUBLICATIONS:

- 1. Antimicrobial agents: synthesis, spectral, thermal and biological aspects of polymeric Schiff base and its polymer metal (II) complexes.** N Nishat, S A Khan, S Parveen and **R Rasool**. “*Journal of Coordination Chemistry*”, **2010, 63, 3944-3955.**
- 2. New antimicrobial agents: Synthesis, spectral characterization, thermal and biological studies of coordination polymers of some transition metals with polymeric Schiff base.** N Nishat, **R Rasool**, S Parveen and S A Khan “*Journal of Applied Polymer Science*” **2011, 122, 2756-2764.**
- 3. Synthesis, spectral characterization and biocidal activity of thermally stable polymeric Schiff base and its polymer metal complexes,** N Nishat, S A Khan, **R Rasool** and S Parveen. “*Journal of Inorganic and Organometallic Polymers and Materials*” **2011, 21, 673-681.**
- 4. Synthesis and characterization of metal incorporated aniline formaldehyde resin modified by amino acid for antimicrobial application.** N Nishat, **R Rasool**, S A Khan and S Parveen. “*Journal of Coordination Chemistry*” **2011, 64, 4054-4065.**
- 5. Preparation, spectral and biological investigation of formaldehyde-based ligand containing piperazine moiety and its various polymer metal complexes.** S A Khan, N Nishat, S Parveen, and **R Rasool**. “*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*” **81, 290-295, 2011.**
- 6. Synthesis and characterization of thermally stable and biologically active metal based Schiff base polymer.** N Nishat, S A Khan, **R Rasool** and S Parveen “*Journal of Inorganic and Organometallic Polymers and Materials*” **2012, 22(2), 455-463.**
- 7. Antimicrobial Polychelates: synthesis and characterization of transition metal chelated barbituric acid–formaldehyde resin.** N Nishat, **R Rasool**, S Parveen and S A Khan. “*International Journal of Polymeric Materials*” **2012, 61, 41-56.**

**8. Metal-Based Schiff Base Polymers: Preparation, Spectral, Thermal And their *in vitro* Biological Investigation.** R Rasool, S Hasnain, N Nishat. “*Designed Monomers and Polymers*” 2014, 17(3), 217-226.

**9. Coordination Polymers: Preparation, Physicochemical Characterization, Thermal And Biological Evaluation Of Thiosemicarbazide Polychelates** R Rasool, S Hasnain, N Nishat, “*Journal of Inorganic and Organometallic Polymers and Materials*” Published online 30 December, 2014. 2015, 25(4), 763-771.

**10. Biologically Active And Thermally Stable Polymeric Schiff Base And Its Metal Polychelates: Their Synthesis And Spectral Aspects** R Rasool, S Hasnain, “*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*” 2015, 148, 435-443.

**11. Biocidal Polymers: Synthesis, Characterization And Applications Of Transition Metal Polychelates Of Formaldehyde–Barbituric Acid Resin”** R Rasool, S Hasnain “*Iranian Polymer Journal*” 2015, 24(10), 891-900.

**12. Antimicrobial Polyurea: Synthesis, Spectral And Thermal Overview Of Some New Metal Polychelates”** S Hasnain, R Rasool\*, N Nishat “*Advances In Polymer Technology*” 2017, 36(2), 196-202.

#### ★ TRAINING, MOOC COURSES, FDP AND WORKSHOP

1. **Professional Certificate Course in Nanotechnology** at North Maharashtra University (NMU), Jalgaon, Maharashtra from May 11-15, 2011.
2. **Training Cum Workshop on Extraction, Isolation & Characterization of Plant Bioactives**, at Deptt. of Chemistry, DBS (PG) College, Dehradun from March 3-4, 2014.
3. Coursera Online four weeks course "**Introduction to Molecular Spectroscopy**" completed March 26, 2022, Autherized by University of Manchester
4. Coursera Online four weeks course "**Essentials of Entrepreneurship Thinking & Action**" completed March 29, 2022, Autherized by University of California
5. MOOC Course on **Bioinorganic Chemistry** organized by NPTEL 4 weeks (27 Jan' 20 - 21 Feb' 20)

6. **Drinking Water Treatment** Online edX Course, Delft University of Technology, Delft, Netherlands, 14 Feb 2021-15 Mar 2021
7. FDP on **Bioinorganic Chemistry** organized by NPTEL 4 weeks (Aug-Sep 2019)
8. **STTP-Teaching learning Pedagogies** funded by AICTE, A.G. Patil Polytechnic Institute, Solapur, 3-8 Aug 2020
9. FDP on **Relevance and protection of Intellectual property Rights**, Deptt. Of Chemistry, Integral University Lucknow, 8-22 Nov 2021

★ **Participation in National/International Seminars/Conferences:**

1. **Recent Advances in Chemistry-2009** Seminar organized by *Deptt. of Chemistry*, Jamia Millia Islamia, **January 19, 2009** New Delhi.
2. **Interdisciplinary Science Conference-2009 on Interface between Chemistry and Biology** Seminar Organized by *Centre for Interdisciplinary Research in Basic Sciences (CIRBSc)*, Jamia Millia Islamia, **October 8, 2009** New Delhi.
3. **Polymer Congress APA-2009 on Polymer Science and Technology** International Conference Organized by *Asian Polymer Association*, **17-20 December 2009** at IIT/IHC New Delhi, India.
4. **Recent advances in Chemistry-2010** Seminar Organized by *Deptt. of Chemistry*, Jamia Millia Islamia, **March 12, 2010** New Delhi.
5. **Polymer Science and Engineering: Emerging Dimensions PSE-2010** International Conference Organised by *University Institute of Engg. & Tech.* Panjab University, Panjab under the auspices of *Asian Polymer Association (APA)* **26-27 November 2010** Chandigarh, Punjab.
6. **Frontiers of Polymers & Advanced Materials: Macro 2010** 11<sup>th</sup> International Conference Jointly Organized by *Centre for Polymer Science and Engineering* Indian Institute of Technology and *Society for Polymer Science (SPS)* , India **15-17 December 2010**, India Habitat Centre, New Delhi.
7. **Polymer Nanocomposites: (NCPN-1)** National Conference Organised by *Zakir Husain College* Deptt. of Physics University of Delhi, **14-15 January 2011**, Delhi.
8. **International Conference on Chemistry: Frontiers and Challenges** International Conference Organised by *Deptt. of Chemistry*, Aligarh Muslim University, **March 5-6, 2011** Aligarh.

9. **Recent advances in Chemistry-2011** Seminar Organized by *Deptt. of Chemistry*, Jamia Millia Islamia, **March 22, 2011** New Delhi.
10. **Chemistry in Our Lives: Issues and Challenges** Seminar Organized by *Deptt. Of Chemistry*, Jamia Millia Islamia, **March 28, 2011** New Delhi.
11. **7<sup>th</sup> National Symposium and Conference on Solid State Chemistry and Allied Areas (ISCAS-2011)** Organized by *Deptt. of Chemistry*, Jamia Millia Islamia, in association with Indian Association of Solid State Chemists and Allied Scientists (ISCAS) **November 24-26, 2011** New Delhi.
12. **Green Technologies For Environmental Reahabilitation “GTER-2012”**, International Conference Organised by *Faculty of Engineering and Technology*, Gurukul Kangri University, Haridwar, Uttarakhand **February 11-13, 2012. (Received Best Poster Award)**.
13. **New Vistas in Chemistry** National Conference Organized by *Deptt. of Chemistry*, Aligarh Muslim University, **March 2-3, 2012** Aligarh.
14. **Recent advances in Chemistry-2012** Seminar Organized by *Deptt. of Chemistry*, Jamia Millia Islamia, **March 12, 2012** New Delhi.
15. **International Conference on Interface between Chemistry and Environment (ICICE)** Organized by *Deptt. of Chemistry*, Ramjas College, University of Delhi, **December 13-14, 2012** Delhi.
16. **International Conference on Chemistry: Frontiers & Challenges** International Conference Organized by *Deptt. of Chemistry*, Aligarh Muslim University, **March 2-3, 2013** Aligarh.
17. **International Conference on Pharmaceutical Sciences (ICPS-2014)**, Organized by *Division of Pharmaceutical Sciences*, Shri Guru Ram Rai (P.G.) College **14-15 February, 2014**, Dehradun.
18. **Innovative Approach in Applied Physical, Mathematical/Statistical, Chemical Sciences and Emerging Energy Technology for Sustainable Development (APMSCSET-2014)**: ISBN: 978-93-83083-98-5 Organized by *Social Welfare Foundation in Association with Krishi Sanskriti* at Jawaharlal Nehru University, **September 28<sup>th</sup>, 2014**, New Delhi ,
19. **Phytochemistry And Ayurveda; Potential and Prospects** Symposium organized by *Management of Universities Journal of Phytochemistry and Ayurvedic Heights* on **December 24 2014** at Tasmia Academy, 1-Inder Road, Dehradun., Uttarakhand.

★ **Participation in National/International Webinars/e-Conferences:**

1. Webinar on **Synthetic Chemists and our Society** on **June 11, 2020** organized by Galgotias College of Engg. & Tech. Greater Noida.
2. International E-conference on **Modern Instrumental and Characterization Techniques in Applied Sciences (MICTAS-2020)** on **July 5-6, 2020** organized by MIET Kumaon, Govt. PG College, Khatima & Kashipur Uttarakhand.
3. National Webinar on **Multifunctional Materials for Energy Applications** on **July 14, 2020** organized by Department of Chemistry, Vidyavardhaka College of Engineering, Mysuru Karnataka
4. Two Days National Webinar on **Empowering chemistry Teachers for 21<sup>st</sup> Century Higher Education** on **July 28-29, 2020** jointly organized by SGTB Khalsa college, Delhi University and St. John's College Agra.
5. Webinar on **Fuels from processing of waste plastics** on **August 4, 2020** organized by Department of Chemistry, New Horizon College of Engineering, Bangalore.
6. Three Days National Webinar on **Role of Chemistry in Engineering Society** on **August 12-14, 2020**, organized by Department of Chemistry, JNN College of Engineering, Shivamogga, Karnataka.
7. National Webinar on **NMR Spectroscopy: Introduction and Applications**, on **September 24, 2021**. Department of Chemistry, JSSATE Noida.

**Dr. Raza Rasool**