



Curriculum Vitae

Dr. SHAMIM AHMAD KHAN
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Educational Qualifications

- **Ph.D. in Inorganic Chemistry** from **Jamia Millia Islamia (JMI)**, in 2013 under the supervision Prof. Nahid Nishat, Department of Chemistry, JMI, New Delhi 110025.
- **Thesis Title:** “*Synthesis, Spectral, Thermal and Biological Investigation of Coordination Polymers Containing Transition Metal Ions*”
- **M.Sc. in Chemistry** from Shibli National PG College, (affiliated to Purvanchal University) 2006, **First Division.**
- **B.Sc. (Chemistry, Botany)** from Shibli National PG College, (affiliated to Purvanchal University) 2004, **First Division.**
- **Intermediate** from UP Board 2001, **First Division.**
- **High School** from UP Board 1999, **First Division.**

Teaching Experience

- **June 2018 - onwards** as an **Assistant Professor, Department of Chemistry, Shibli National College, Azamgarh.**
- **Guest Lecturer** September 2012 - May 2018, Department of Chemistry, Shibli National College, Azamgarh

Field of Specialization: Inorganic Chemistry

- **Courses taught:**
 - B.Sc. - Advanced Inorganic Chemistry,
 - M.Sc.- Inorganic Chemistry, Group Theory
 - Organometallic Chemistry

Research Profile

- **Area of Interest:** Coordination Chemistry, Organometallic Chemistry, their synthesis, characterization and biological application
- **Published Papers in International Journals:** 09
- **Attended/Participated Conferences/Seminar:** 11
- **No. of Ph.D. Supervised, Enrolled:** 01

Details of Ph.D. Supervised


- **Mr. Ram Vijai Yadav (Pursuing)**
Topic of Thesis: "Synthesis, Characterization and Biological Application of Coordination Polymers Containing Transition metal Ions"

List of Research publications

1. Nahid Nishat, **Shamim Ahmad Khan**, Shadma Parveen and Raza Rasool, Antimicrobial agents: synthesis, spectral, thermal, and biological aspects of a polymeric Schiff base and its polymer metal(II) complexes. J. Coord. Chem. **63** (2010) 3944- 3955.
2. Nahid Nishat, Raza Rasool, Shadma Parveen and **Shamim Ahmad Khan**, New antimicrobial agents: Synthesis, spectral characterization, thermal and biological studies of coordination polymers of some transition metals with polymeric Schiff base. J. Appl. Polym. Sci. 122 (2011) 2756–2764.
3. Nahid Nishat, **Shamim Ahmad Khan**, Raza Rasool and Shadma Parveen, Synthesis, spectral characterization and biocidal activity of thermally stable polymeric Schiff base and its polymer metal complexes. J. Inorg. Organomet. Polym. Mat. 21 (2011) 673–681.
4. **Shamim Ahmad Khan**, Nahid Nishat, Shadma Parveen and Raza Rasool, Preparation, Spectral and Biological Investigation of Formaldehyde-Based Ligand Containing Piperazine Moiety and its Various Polymer Metal Complexes. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 81 (2011) 293–298.
5. Nahid Nishat, Raza Rasool, Shadma Parveen and **Shamim Ahmad Khan**, Antimicrobial Polychelates: Synthesis and Characterization of Transition Metal Chelated Barbituric Acid Formaldehyde Resin. International journal of polymeric materials 61 (2012) 41–56.
6. Nahid Nishat, **Shamim Ahmad Khan**, Raza Rasool and Shadma Parveen, Synthesis and Characterization of Thermally Stable and Biologically Active Metal Based Schiff Base Polymer. J. Inorg. Organomet. Polym. Mat., 22: (2012) 455–463
7. Nahid Nishat, Raza Rasool, **Shamim Ahmad Khan** and Shadma Parveen, Synthesis and Characterization of Metal Incorporated Aniline Formaldehyde Resin Modified By Amino Acid for Antimicrobial Application Journal of Coordination Chemistry 64 (2011) 4054–4065.

8. **Shamim Ahmad Khan**, Shahab A.A. Nami, Shahnawaz Ahmad Bhat, Abdul Kareem and Nahid Nishat, Synthesis, characterization and antimicrobial study of polymeric transition metal complexes of Mn(II), Co(II), Ni(II), Cu(II) and Zn(II). Microbial Pathogenesis 110 (2017) 414-425
9. **Shamim Ahmad Khan**, Shahab A.A. Nami, Shahnawaz Ahmad Bhat, Abdul Kareem and Nahid Nishat, Design and development of several polymeric metaleorganicframeworks, spectral characterization, and their antimicrobialactivity. C. R. Chimie 21 (2018) 872-879
10. **Shamim Ahmad Khan**, Mohd Ibrahim Khan and Obaid ur Rahman, Polymeric Coordination Compounds derived from Transition Metal(II) with Tetradentate Mannich base ligand: Preparation, Spectroscopic and Biological Approach. Polym. Adv. Tech. (Communicated). 2022.

Date: 03.08.2022
Place: Azamgarh


(Dr. SHAMIM AHMAD KHAN)