

# Curriculum Vitae

## Ruby Ahmed

*Associate Professor*

Department of Chemistry,  
Faculty of Science Shibli National College,  
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### Academic qualifications:

- |                           |                               |      |
|---------------------------|-------------------------------|------|
| • PhD (Applied Chemistry) | ZHCET, AMU, Aligarh           | 2022 |
| • M.Sc                    | SNC Azamgarh                  | 1999 |
| • B.Sc                    | SNC Azamgarh                  | 1995 |
| • XII                     | KV , Azamgarh                 | 1990 |
| • X                       | St. Mary's Convent, Najibabad | 1988 |
- o **PhD Thesis Title:** Synthesis, Characterization and Application of new compounds for detection of Pollutants.
- o **Research Supervisor:** Dr. Farman Ali

### Awards:

- |       |     |      |
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| • NET | UGC | 2002 |
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### Research interest:

- Synthesis of new organic molecules for organic compounds for light emitting devices (OLEDs), and organic photovoltaics.

### Teaching Experience:

Assistant Professor	Teaching since (10-9-2022)	Undergraduate Courses	Postgraduate courses
		Physical chemistry Organic chemistry	Spectroscopy, Biochemistry Organic chemistry

### Administrative Post/Departmental Duties:

Subject Convenor of MSDU, Azamgarh  
Examiner of theory and practical Examination  
Observer for Entrance Examination  
Subject expert in selection committee.

### **List of Publications:**

1. R Ahmed, A Ali, M Ahmad, A Alsalmeh, RA Khan, F Ali: Phenanthroimidazole derivatives as a chemosensor for picric acid: a first realistic approach. **New Journal of Chemistry** 44 (46), 20092-20100, (2020).
2. R Ahmed, OE Doğan, F Ali, M Ahmad, A Ahmed, N Dege, IA Golenia: Crystal structure and Hirshfeld surface analysis of 2-phenyl-1H-phenanthro [9, 10-d] imidazol-3-ium benzoate. **Acta Crystallographica Section E: Crystallographic Communications** 76 (5), 724-727, (2020).
3. R Ahmed, MO Ansari, F Ali, SP Ansari: VOC Sensing Studies on Electrically Conductive Polyaniline@MoS<sub>2</sub> Nanocomposites. **Journal of Polymer Materials** 36 (3), (2019).
4. Sensing and Classification of Nitro-aromatics with Carbazole and 2-phenyl-1H-phenanthro[9,10-d]imidazole (M1): A Comprehensive Experimental Analysis and Computational Studies Validation