

# Mrs. Abida Murtaza

Assistant Professor – Chemistry

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Institution: Maulana Azad National Urdu University (MANUU)

Location: Hyderabad, Telangana – 500032, India



## PROFESSIONAL SUMMARY

Experienced Assistant Professor of Chemistry with more than 35 years of teaching experience and over 15 years of service at MANUU. Expertise in Inorganic Chemistry, Nanomaterials and SLM development (English & Urdu). Actively engaged in research publications, registered design (UK), conferences, FDPs, and academic capacity-building programs. Committed to quality teaching, research, and institutional development.

## ACADEMIC QUALIFICATIONS

M.Phil , B.Ed, Ph.D. (present)

## TEACHING EXPERIENCE

Assistant Professor (Chemistry)

Maulana Azad National Urdu University (MANUU)

January 2009 – Present

Teaching Profession Since: 1989

Responsibilities:

Teaching undergraduate Chemistry courses

Curriculum development and syllabus design

Student mentoring, assessment, and

evaluation Preparation of Self Learning

Materials (SLM) Academic and examination -

related duties

## RESEARCH PUBLICATIONS

Web of Science Indexed Journal :

Baker's yeast as a biocatalyst for efficient and substrate-selective N-acetylation of anilines  
Organic Communications, Vol. 7, Issue 2, pp. 17–27 (2025)  
DOI: 10.25135/acg.oc.182.2501.3412  
(Co-Author)

Peer-Reviewed Journals :

Synthesis and XRD Characterization of Fe<sub>2</sub> O<sub>3</sub> Nanoparticles  
JETIR, Vol. 7, Issue 2, pp. 1140–1143 (2020)

Synthesis and FTIR Characterization of Iron Oxide Nanoparticles  
IJIRSET, Vol. 8, Issue 3 (2019)  
DOI: 10.15680/IJIRSET.2019.0803001

Synthesis and Characterization of Aluminum Oxide Dispersed Polystyrene Composite  
IJESRT, Vol. 7, Issue 2 (2018)

BOOKS / SLM / CHAPTERS:

Preparation of SLM in Chemistry (Urdu Medium)  
For B.Sc students (Distance Mode), MANUU

Editor :

SLM for B.Sc. 6th Semester – Inorganic Chemistry II & Physical Chemistry IV with Lab Manual  
ISBN: 978-81-972234-3-3, MANUU (2024)

Author :

SLM for B.Sc. 4th Semester – Organic Chemistry IV & Physical Chemistry III with Lab  
ISBN: 978-93-95203-78-4, MANUU (2023)

## PATENTS / REGISTERED DESIGNS

Title: Nano-Material Based Air Purifier

Design Number: 6468655 (UK IPO)

Status: Registered

Registration Date: 29 August 2025

Grant Date: 10 September 2025

Renewal Due: 29 August 2030

## Classification:

Class 23 – HVAC Equipment | Subclass 04 – Ventilation & Air-Conditioning

Co-Owners:

Dr. Syed Mohammed Shoaib, Mrs. Abida Murtaza,  
Mr. Sayed Altaf Ahmed, Dr. Shaik Abdul Khadar Jilani

### CONFERENCES & PAPER PRESENTATION

2nd International Conference in Chemistry – 2025

Paper Presented:

“A Critical Analysis of Metal Oxide Nanoparticles and Environmental Sustainability”  
(30–31 January 2025)

### FACULTY DEVELOPMENT PROGRAMMES & TRAININGS (Selected)

UGC–MMTC IKS Integration Programme (2026)

ATAL FDP on Rare Earths & Advanced Materials (2025)

NEP 2020 Orientation & Sensitization Programme (2024)

Advanced Pedagogy, CPDUMT–MANUU (2023)

Industrial Training for Faculty, BSNL (2023)

Refresher Course – Recent Trends in Chemical Sciences, University of Hyderabad (2016)

UGC Sponsored Orientation Programme, MANUU (2011)

### INDUSTRIAL & SHORT-TERM TRAINING

Industrial Training on AutoCAD 2D & 3D (2025)

Rashtriya Karmayogi Jan Seva Programme (2025)

Training of Teachers (TOT), NITTTR Bhopal (2019)

## AREAS OF SPECIALIZATION

Inorganic Chemistry

Nanomaterials

Environmental Chemistry

## LANGUAGES KNOWN

Urdu

English

Telugu