

# SUMAN KOUSER

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## PROFESSIONAL SUMMARY

Dedicated and passionate Chemistry educator with a Master's degree in Chemistry and hands-on research experience in nanomaterials. Currently serving as a Chemistry Lecturer with expertise in delivering comprehensive chemistry instruction across various age groups. Proven ability to implement innovative teaching methodologies and utilize modern educational tools to enhance student learning outcomes. Strong foundation in organic synthesis, laboratory techniques, and scientific research with a commitment to fostering academic excellence.

## PROFESSIONAL EXPERIENCE

### Chemistry Lecturer

March 2025 – Present

*Al-Ameen College of Arts, Science and Commerce,  
Bengaluru, Karnataka*

- Delivering engaging lectures in Chemistry for undergraduate students, covering theoretical concepts and practical applications
- Developing and implementing innovative curriculum materials and teaching strategies to enhance student comprehension
- Conducting laboratory sessions, ensuring adherence to safety protocols and proper use of chemical equipment
- Mentoring students in academic projects and research initiatives, fostering critical thinking and analytical skills
- Assessing student performance through examinations, assignments, and continuous evaluation methods
- Participating in departmental activities, academic committees, and institutional development programs

### Pre-University – Chemistry

Oct 2024- 2025 Feb

*Anjuman PU College Davangere, Karnataka*

- Chemistry to PU students with a strong focus on conceptual clarity, practical understanding, and real-life application of scientific principles.
- Prepared students for mid-term, preparatory, and final board examinations through structured revision plans and topic-wise exam strategies.
- Conducted dedicated problem-solving sessions, numerical-practice workshops, and previous-year question analysis to strengthen exam readiness.
- Developed customized study materials, chapter summaries, and practice worksheets to support effective revision and improve student performance

### Private Tutor – Science & Mathematics

2022 – 2025

*Independent Practice, Bengaluru*

- Successfully tutored high school students (10th standard) in Science, Mathematics, and English, achieving 100% pass rate in board examinations
- Designed tailored lesson plans addressing individual learning styles and academic needs
- Provided comprehensive board exam preparation including mock tests, past paper analysis, and time management strategies
- Developed strong rapport with students and parents, ensuring consistent academic progress and confidence building

## RESEARCH EXPERIENCE

### Research Intern

January 2024 – February 2024

*PES University, Electronic City Campus, Bengaluru*

*Project Title: "Material Synthesis, Characterization, and EMI Shielding Effectiveness Performance of Polyaniline/Ce-Al<sub>2</sub>O<sub>3</sub> Nanocomposites"*

*Project Supervisor: Dr. Revansiddappa M*

- Conducted advanced nanocomposite material synthesis under professional supervision, focusing on electromagnetic interference shielding applications
- Gained extensive hands-on experience with organic reactions, purification techniques, and spectroscopic analysis methods
- Performed material characterization using various analytical instruments and techniques
- Successfully completed research project demonstrating EMI shielding effectiveness of novel polyaniline-based nanocomposites
- Documented experimental procedures, analyzed research data, and contributed to technical reports

## EDUCATION

### Master of Science (M.Sc.) in Chemistry

December 2022 – November 2024

*The Oxford College for Science, Bangalore University, Bengaluru*

**CGPA: 7.2/10**

### Bachelor of Science (B.Sc.) – Physics, Chemistry, Mathematics (PCM)

July 2019 – October 2022

*AVK College for Womens, Davangere University, Davangere*

**CGPA: 8.1/10**

## CORE COMPETENCIES & SKILLS

**Teaching Skills:** Curriculum Development, Student Assessment, Classroom Management

**Communication:** Excellent verbal and written communication in English, Hindi, and Kannada

**Organic Chemistry:** Multi-step synthesis, reaction mechanism design and analysis

**Laboratory Techniques:** Distillation, Crystallization, Extraction, Titration

**Lab Safety:** Comprehensive knowledge of safety protocols and chemical waste disposal

**Analytical Skills:** Spectroscopy, Material Characterization

**Technology:** MS Office Suite (Word, Excel, PowerPoint), Educational Technology Tools

**Soft Skills:** Adaptability, Problem-solving, Student Mentoring, Team Collaboration

