

# MOHD ANAS

PhD Scholar | Pharmaceutical Chemistry | Medicinal Chemistry Researcher

✉ mohdanas2k@gmail.com | ☎ +91 8318535127 | 📍 Lucknow, UP 226020

## PROFESSIONAL SUMMARY

PhD scholar and medicinal chemistry researcher with hands-on expertise in organic synthesis, drug design, molecular docking, and spectroscopic characterization. Experienced in teaching, research laboratory supervision, and academic accreditation processes. Passionate about advancing pharmaceutical sciences through quality education, impactful research, and professional collaboration.

## EDUCATION

**PhD in Pharmaceutical Chemistry (Pursuing)** | Integral University, Lucknow 2024 – Present

- Supervisor: Prof. (Dr.) Syed Misbahul Hasan, Professor & Dean, Faculty of Pharmacy
- Research focus: Drug synthesis, molecular docking, and structure-activity relationship studies

**M. Pharm in Pharmaceutical Chemistry** | Integral University, Lucknow Aug 2021 – Aug 2023

- First Division with Honors
- Dissertation: Docking, Synthesis, and Antimicrobial Activity of 1H-Indole-2,3-Dione Derivatives
- Key skills acquired: Molecular docking, multi-step drug synthesis, purification & characterization, antibacterial screening

**B. Pharm** | Rameshwaram Institute of Technology & Management, Lucknow Jul 2017 – Jul 2021

- First Division with Honors

## RESEARCH & PROFESSIONAL EXPERIENCE

**Lecturer & Research Lab Supervisor** | Faculty of Pharmacy, Integral University, Lucknow Jan 2024 – Present

- Teaching Pharmaceutical Organic Chemistry to undergraduate students; designing practical sessions with strict safety compliance
- Supervising research laboratory operations, instrument calibration, and documentation for PCI inspections
- Mentoring junior researchers in organic synthesis, purification, and analytical characterization
- Active member of NBA (Criteria I, IV, VI & VII) and NAAC (Criteria IV) accreditation committees; experienced in quality assurance documentation
- Organizing committee member for the International Conference on Novel Paradigms in Pharmaceutical Sciences, March 2024

**Procurement Manager** | Prime Pharmaceutical, Lucknow Aug 2023 – Jan 2024

- Managed procurement of pharmaceutical raw materials; implemented supplier performance evaluation and quality control systems
- Analyzed market trends for cost-saving; developed procurement strategies to reduce lead times

## RESEARCH SKILLS & TECHNICAL EXPERTISE

### Organic Synthesis & Medicinal Chemistry

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|--------------------------------|---------------------------|-----------------------------------|
| ✓ Multi-step Organic Synthesis | ✓ Drug Synthesis & Design | ✓ Purification Techniques         |
| ✓ Compound Characterization    | ✓ Antibacterial Screening | ✓ Structure-Activity Relationship |

### Computational & Analytical Tools

✓ Molecular Docking

✓ Spectroscopy (IR, NMR, MS)

✓ Spectroscopic Characterization

✓ Manuscript Drafting

✓ Research Lab Supervision

✓ Academic Teaching

## PUBLICATIONS

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### Peer-Reviewed Journal Articles

1. Verma S.S., Verma A., Verma S.K., Hasan S.M., Verma L., & Anas M. (2026). Benzazepines Derivatives: Synthetic Strategy, Structural-Activity Relationships, and Medical Potential as Dopamine and Serotonin Receptor Modulators. *ACS Omega*, 11(19), 27707-27733. DOI: 10.1021/acsomega.6c00902
2. Yadav K.P., Rahman M.A., Nishad S., Maurya S.K., Anas M., & Mujahid M. (2023). Synthesis and biological activities of benzothiazole derivatives: A review. *Intelligent Pharmacy*, 1(3), 122-132.
3. Anas M., Kumar A., Singh K., Hasan S.M., et al. (2022). Benzimidazole as promising antimicrobial agents: A systematic review. *Annals of Phytomedicine: An International Journal*, 11(2), 102-113.
4. Maurya S., Singh K., Hasan S.M., et al. (2024). Benzopyran: A biologically active scaffold. *International Journal of Biology Pharmacy and Allied Sciences*, 13(2), 797-813.
5. Khan A., Maurya S., Anas M., et al. (2023). Role of polyphenols in Alzheimer's disease. *Journal of Phytonanotechnology and Pharmaceutical Sciences*, 3(1), 9-15.

### Book Chapters

6. Khan M., Singh K., Pandey N., Kumar A., Anas M., et al. (2024). Salannin: Natural Insecticide and Pest Control. In *Phytoconstituents of the Neem Plant: Pharmacological Activities and Applications*. Nova Science Publishers.

## TRAININGS, FDPS & CERTIFICATIONS

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- FDP on Generative AI - Brainovision Solutions India Pvt. Ltd. in collaboration with AICTE, hosted by Integral University, Lucknow (4-8 August 2025). ID: FDP25-BOV-INT-018
- Training Programme on Empowering Higher Education Institutions in Technology-Enabled Learning and Blended Learning (15 hours) - COL-CEMCA, AIU & Avinashilingam Institute (18-22 August 2025)
- FDP on Technology-Enabled Learning and Blended Learning - COL-CEMCA, AIU, Integral University & Aryabhata Knowledge University (7-12 April 2025). Cert. No.: COLCEMCA/AIU/IU/AKU/24-25/504
- Five Days Online FDP on Statistical Analysis for Research: Techniques & Software - AIU-IU-AADC in collaboration with Integral Business School (21-26 November 2024). Ref. No.: AIU-IU-AADC/2024/06/141
- IP Awareness/Training Program under National Intellectual Property Awareness Mission (NIPAM) - Intellectual Property Office, India, Govt. of India (10 February 2024)
- Induction Program (2023-24) - Human Resource Development Centre (HRDC), Integral University (9-10 February 2024). Cert. No.: IU/HRDC/IP/2023-24/T/154
- National Online Workshop on Molecules to Medicine: Discover, Develop, Deliver - The Science of Drug Innovation - Eduversity India, PharmUp & JDDHS (14 June 2025). ID: PHARMUP/DXXTTM-CE00141
- International Webinar on Current Scenario, Scope and Challenges in Pharmaceutical Industry - IPSR Group of Institutions (1 August 2025)

## MEMBERSHIPS & ACTIVITIES

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- Lifetime Member, Association of Pharmaceutical Teachers of India (APTI)
- Department Maintenance Committee Member – Integral University
- NBA & NAAC Accreditation Committee Member (Criteria I, IV, VI & VII)

## REFERENCES

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### Prof. (Dr.) Syed Misbahul Hasan

Professor & Dean, Faculty of Pharmacy, Integral University, Lucknow | Email: smhasan@iul.ac.in | Tel: +91-9765629789

### Dr. Abdul Wahid Ansari, PhD

Research Scientist, Translational Research Institute, Hamad Medical Corporation, Doha, Qatar | Email: AAnsari1@hamad.qa