

## FACULTY PROFILE

### Ms. Komal Chandra

Assistant Professor

Department of Pharmaceutical Sciences, Bhimtal Campus

Kumaun University, Nainital (Uttarakhand), India

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Dedicated academician and researcher specializing in Pharmacology with a focus on drug safety, preclinical evaluation, and natural product pharmacology. Experienced in educating undergraduate and postgraduate students, conducting *in-vivo* and *in-vitro* studies, and actively contributing to curriculum development and research promotion within the institution.

### Academic Qualifications

- **M.Pharm** (Pharmacology) – Department of Pharmaceutical Sciences, Bhimtal Campus, Kumaun University, Nainital (Uttarakhand), India [2019]
- **B.Pharm** – Department of Pharmaceutical Sciences, Bhimtal Campus, Kumaun University, Nainital (Uttarakhand), India [2017]
- **Phd (Pursuing)**- IFTM University Moradabad, Uttar Pradesh, India
- **Professional Diploma (Clinical trial document management)**- RAHE, Delhi [2019]
- GPAT Qualified

### Teaching Experience

- **Assistant Professor**, Department of Pharmaceutical Sciences, Bhimtal Campus, Kumaun University, Nainital, Uttarakhand, India. [November 2020 – Present]
- 1.3 years teaching experience as **Assistant Professor** in Graphic Era Hill University, Dehradun, Uttarakhand, India.

### Publications

1. Chandra K, Kumar P, Kaur V, Kumar Y and Kumar T. Evaluation of antiobesity activity of *Bryophyllum pinnatum* (Lam) Oken leaves extract in cafeteria diet induced obesity in rats. Asian Pacific Journal of Health Sciences, 8(3), 2021.
2. Kumar, P., Chandra, K., Arya, D., Kumar, T., Tiwari, N., & Gangola, S. (2025). Health implications of nanoplastics: A comprehensive study with AI-driven solutions. In Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024).
3. Chandra, K., Kumar, P., Arya, D., Taganiya, R., and Kumar T. Nutraceutical Role in management of urolithiasis. YMER Journal, Volume 23, Issue 03 (March) -2024, Page No: 340
4. R., Kumar, T., Kaur, V., & Chandra, K. (2023). Evaluation of Anti-Urolithiatic Activity of

Rumex hastatus D. Don in Wistar Rats. *International Journal of Pharmaceutical and Biological Science Archive*, 11(4).

5. Chandra, K., Kumar, S., Kaur, V., & Kumar, T. (2024). Antimicrobial Properties of Herbal Nutraceuticals. In R. K. Keservani, R. K. K. Arya, & R. K. Kesharwani, *Herbals as Nutraceuticals: Their Role in Healthcare*. CRC Press (Taylor & Francis Group). ISBN 9781003488392

#### Conference/Seminar organized:

S.No	Status as organizer	Title of the conference/seminar	Year
1	Hospitality	National Conference on Pradhan Mantri Bhartiya Janaushadhi Pariyojana Miles covered and road ahead.	2022
2	Technical committee	Challenges and opportunities in Pharmaceutical Sciences and health management.	2022
3	Scientific committee	National Conference on Emerging trends in science and technology	2020

#### Workshops & Training Programs Organized

1. Short-Term Training Program on “HPLC (Shimadzu LC-2010 CHT)”. Served as Workshop Co-Convenor and successfully organized a four-day training program held from 12th to 15th June 2024 at the Central Instrumentation Facility (CIF), Department of Pharmaceutical Sciences, Bhimtal Campus, Kumaun University.
2. Workshop on “Building ADR Reporting Culture for Patient Safety”. Acted as Co-Convenor for a one-day workshop conducted on 21st September 2024 under the 4th National Pharmacovigilance Week (17th–23rd September 2024), aiming to enhance awareness of ADR monitoring and reporting.
3. **Workshop on “Mastering MS Word Automation for Scientific Manuscripts and Reports”** Co-convened and hosted this skill-based workshop on 17th February 2025 to improve manuscript preparation efficiency and scientific documentation.
4. Contributed significantly to the planning and successful execution of several academic workshops and capacity-building programs.

#### Guest Lectures and Academic Events Hosted

- Successfully hosted multiple guest lectures by distinguished experts from academia, research institutions, pharmaceutical industry, pharmacovigilance professionals, and other scientific organizations. These sessions aimed to enhance the academic environment and provide students with practical insights into current research trends and regulatory practices.

- Organized academic seminars, interactive sessions, and faculty-student engagement programs to promote interdisciplinary knowledge exchange and skill development.
- Played an active role in coordinating and managing academic events focused on professional development, scientific awareness, and collaborative learning within the department.

### **Conferences, Seminars, and FDPs**

Presented research work and participated in various national and international conferences and seminars related to pharmacology, phytopharmacology, and patient safety. Actively attended several Faculty Development Programs (FDPs) focused on NEP 2020, research methodology, pharmacovigilance, and innovative teaching-learning practices.

### **Research Interests**

- Preclinical pharmacology of herbal and synthetic agents
- Urolithiasis and nephroprotection models
- Toxicology and drug safety evaluation
- Pharmacovigilance and patient safety
- AI in Pharmacy

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