

KOMAL ASHOK BHOI

M. Pharm (Pharmacognosy) / Ph.D. Research Scholar

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CAREER OBJECTIVE

Dedicated Pharmacognosy professional, M. Pharm graduate and Ph.D. research scholar with strong expertise in herbal drug research, formulation development, and analytical methodologies. Committed to academic excellence, student mentorship, and innovative research. Seeking a faculty position where I can integrate teaching and research to contribute to institutional growth and the advancement of pharmaceutical sciences.

EDUCATIONAL QUALIFICATIONS

Degree / Qualification	Institution / College	Board / University	Year	Result
Ph.D. (Pharmacognosy)	R.C. Patel Institute of Pharmaceutical Education & Research (RCPIPER), Shirpur	KBC North Maharashtra University, Jalgaon	Pres.	Pursuing
M. Pharm. (Pharmacognosy)	R.C. Patel Institute of Pharmaceutical Education & Research (RCPIPER), Shirpur	KBC North Maharashtra University, Jalgaon	2025	8.97 CGPA
B.Pharm.	H.R. Patel Institute of Pharmaceutical Education & Research (HRPIPER), Shirpur	KBC North Maharashtra University, Jalgaon	2023	8.52 CGPA
D. Pharm.	M.A.H. College of Pharmacy, Boradi	MSBTE, Mumbai	2020	96.30%
H.S.C. (Class XII)	KVPS S.K.S. Barve Jr. College, Shirpur	Nashik Divisional Board	2018	73.85%
S.S.C. (Class X)	KVPS S.S.V. Randhe Kanya Vidhyalaya, Shirpur	Nashik Divisional Board	2016	79.60%

ACADEMIC EXPERIENCE

Lecturer (Department of Pharmacognosy)

July 2025-March 2026

TSBIPER, Dahiwad

- Formulate, review, and execute comprehensive academic lesson plans and curricula for pharmacy students.
- Conduct rigorous classroom instruction and practical laboratory sessions in Pharmacognosy and allied subjects.
- Mentor student research cohorts, coordinate multi-disciplinary project teams, and deliver academic presentation training.

RESEARCH HONORS & AWARDS

- **Dr. P. D. Patil National Level Best Thesis Award in Pharmaceutical Sciences (2025):** Awarded for demonstrating remarkable innovation and translational research excellence in Natural Products and Pharmacognosy.
- **WEnyan Research Scholarship:** Conferred for excellence and innovative prowess in scientific research; organized by Pune Knowledge Cluster (PKC) and sponsored by BASF.

PATENT & PUBLICATIONS

Patent Publication

Patent Title: "Formulation and Development of an Essential Oil-Based Nanoemulgel for Enhanced Anti-Inflammatory and Antifungal Activity in the Treatment of Vaginal Candidiasis." (Filed and Published).

Peer-Reviewed Research & Review Articles

1. **Bhoi K. A.**, et al. "Antifungal Potential of Plant-Derived Essential Oils Against *Candida albicans*: Insights from *In Vitro* Vaginal Candidiasis Models." *European Journal of Pharmaceutical and Medical Research (EJPMR)*, Volume 12, Issue 6, June 2025.
2. Mandage U. R., Pagare I. S., Beldar S. M., **Bhoi K. A.**, Thakare P. M., Chaudhari P. M. "Revolutionizing Women's Health: Affordable & Eco-Friendly Biodegradable Sanitary Napkins for a Sustainable Future." *European Journal of Biomedical and Pharmaceutical Sciences (EJBPS)*, Volume 12, Issue 4, April 2025. [Impact Factor: 7.482].
3. **Bhoi K. A.**, et al. "A Review on Herbomineral Nano Formulation Alternative System of Medicine." *International Journal of Pharmaceutical Science*.

CORE RESEARCH PROJECTS

M. Pharm Dissertation: Formulation & Optimization of Nanoemulgel

Postgraduate Thesis

Guide: Dr. S. J Surana Co- Guide – Dr. Snehal K. Bhavsar

Project Title: *Formulation and Evaluation of Nanoemulgel Incorporated with Essential Oil for Candida Albicans.*

Description: This investigation developed a novel, eco-friendly, and cost-effective herbal nanoemulgel targeting vulvovaginal candidiasis. Advanced statistical scaling was performed using a **Central Composite Design (Design-Expert® Version 13)** to carefully optimize alternative nanoemulsion variables, significantly enhancing target mucosal penetration and drug localization while addressing modern drug-resistance hurdles.

B. Pharm Project: Phytochemical Extractions

Guide: Dr. Rakesh E. Mutha

Project Title: *Recent Advances in Extraction Techniques.*

TECHNICAL & CORE COMPETENCIES

- **Routine Pharmacognosy Operations:** Advanced plant anatomy microscopy, micrometry, qualitative/quantitative standardization of crude drugs, and thin-layer chromatography setups.
- **Analytical Instrumentation:** Proficient operations of UV-Vis Spectrophotometers and High-Performance Thin-Layer Chromatography (HPTLC) analysis systems.
- **Statistical Software & Tools:** Design-Expert® Software (Version 13) for Design of Experiments (DoE) applications.
- **Productivity Suites:** Microsoft Word, Excel, and PowerPoint, Endnote, Elicite AI, Biorender

PROFESSIONAL DEVELOPMENT & ACADEMIC ENGAGEMENTS

- **Student Mentorship:** Successfully guided undergraduate student cohorts presenting at the National Level Article Presentation on “*AI in Pharmacy & Technology*” (Academic Decipher, Mumbai, 2025).
- **Faculty Development Programs (FDP):** Completed a comprehensive National FDP on “*AI-Driven Drug Discovery & Stem Cell Integration*” organized by Sandip Institute of Pharmaceutical Sciences & APTI Maharashtra (2025).
- **Symposiums & Conferences:**
 - Participated actively in the Mini-Symposium on Antimicrobial Resistance hosted by CSIR–National Chemical Laboratory (WAAW-2025).
 - Attended National Conference on Drug Discovery & Pharmaceutical Development (Bombay Institute of Pharmacy & Research).
 - Competed in the District Level Avishkar Research Convention (2025).
- **Technical Workshops:**
 - Completed the hands-on professional workshop on *Practical High-Performance Thin-Layer Chromatography (HPTLC)* jointly certified by RCPIPER and Anchrom Enterprises, Mumbai.
 - Completed the specialization certification course in *Advanced Methods of Extraction* at RCPIPER, Shirpur.
- **Industrial Exposure:**

Completed advanced educational site visits through the Ahmedabad–Gandhinagar industrial cluster, including Vivaan Herbals, Girnar Ayurvedic Pharmacy Pvt. Ltd., and Samrajya Aromatics. Gennova Biopharmaceutical (Hingewadi), NCL Venture Centre Pune, Hi-media Mumbai, Praj matrix R&D Center, Pirangut.

PERSONAL DETAILS

Date of Birth:	August 20, 2000
Marital Status:	Married
Languages Known:	English, Marathi, Hindi

PROFESSIONAL & ACADEMIC REFERENCES

Name & Designation	Institutional Address	Contact Details
Dr. A. U. Tatiya Professor & Head of Department	R.C. Patel Institute of Pharmaceutical Education & Research (RCPIPER), Shirpur	Mob: +91 9923070789 Email: aniltatiya12171@gmail.com
Dr. S. K. Bhavsar Assistant Professor (M.Pharm Guide)	R.C. Patel Institute of Pharmaceutical Education & Research (RCPIPER), Shirpur	Mob: +91 8888212381 Email: snehalbhavsar10@gmail.com
Dr. R. E. Mutha Head of Department	R.C. Patel Institute of Pharmaceutical Education & Research (RCPIPER), Shirpur	Mob: +91 9423189359 Email: rakeshmutha123@yahoo.co.in

***Declaration:** I hereby declare that the clinical, research, and experiential information outlined in this document is completely accurate and authentic to the best of my personal knowledge and belief.*

Date: _____

Place: Shirpur

(Komal Ashok Bhoi)