

Ms. Shanta Govind Agwane

M. Pharm (Pharmaceutics) | Assistant Professor | Pharmaceutical Researcher

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PROFESSIONAL SUMMARY

Results-driven pharmaceutical professional with 4+ years of academic and research experience in pharmaceutics, drug formulation development, and pharmaceutical education. Proven expertise in formulation design, microemulsion systems, topical drug delivery, and quality evaluation with multiple peer-reviewed publications. Strong background in curriculum development, student mentorship, laboratory management, and regulatory compliance. Combines technical pharmaceutical knowledge with excellent communication skills, demonstrated through successful guidance of 7 B.Pharm students and contributions to 6 research publications. PET qualified with comprehensive training in computational chemistry, preclinical research, and intellectual property rights.

CORE COMPETENCIES

- **Pharmaceutical Research:** Formulation development, microemulgel systems, niosomal topical delivery, nanostructured lipid carriers, topical drug delivery, emulgel formulation
- **Technical Skills:** Brookfield viscometry, dissolution testing, disintegration analysis, sample dilution techniques, quality evaluation, analytical method development
- **Academic Leadership:** Curriculum design, student mentorship, academic coordination, examination administration, PCI compliance
- **Quality Systems:** Good Laboratory Practices, pharmaceutical quality control, formulation evaluation, standardization protocols
- **Software Proficiency:** MS-CIT certified, MS Office Suite, data analysis, documentation management, typing proficiency
- **Research Areas:** Drug delivery systems, computational chemistry applications, preclinical research, pharmacovigilance

PROFESSIONAL EXPERIENCE

Assistant Professor

July 2022 – Present

NBS Institute of Pharmacy, Ausa | Dr. Babasaheb Ambedkar Technological University

- Lead instruction in pharmaceutics department, delivering comprehensive lectures on drug formulation, pharmaceutical technology, and drug delivery systems to pharmacy students
- Serve as Academic Coordinator overseeing curriculum implementation, academic monitoring, and quality assurance initiatives for pharmacy programs
- Guide and mentor students in research projects, laboratory techniques, and pharmaceutical analysis ensuring hands-on practical training
- Coordinate with Pharmacy Council of India (PCI) committees for maintaining institutional compliance and accreditation standards
- Administer examination processes including invigilation duties for MSBTE examinations and internal/external evaluation for D-BATU examinations
- Develop and implement laboratory protocols for formulation development, quality testing, and pharmaceutical analysis experiments

Assistant Professor

Jan 2021 – June 2022

MDA School of Pharmacy, Kolpa, Latur | Dr. Babasaheb Ambedkar Technological University

- Delivered undergraduate pharmacy education in pharmaceutics, covering dosage form design, pharmaceutical calculations, and manufacturing processes
- Supervised student projects on formulation development, quality control, and pharmaceutical research methodologies
- Served as Deputy Superintendent for NEET examinations in 2021 and 2022, ensuring examination integrity and regulatory compliance
- Collaborated with faculty members on curriculum development, assessment design, and continuous improvement of teaching methodologies
- Maintained laboratory equipment and ensured proper functioning of viscometers, dissolution apparatus, and disintegration testers

EDUCATION

Master of Pharmacy (Pharmaceutics) | 72.90%

2020

Channabasweshwar Pharmacy College, Latur | SRTM University, Nanded

Bachelor of Pharmacy | 8.79 CGPA

2018

Shivlingeshwar College of Pharmacy, Almala, Latur | SRTM University, Nanded

RESEARCH PROJECTS & PUBLICATIONS

Major Projects:

- **Formulation and Evaluation of Topical Microemulgel Containing Terbinafine Hydrochloride** – Developed innovative microemulsion-based gel system for enhanced topical antifungal delivery with improved penetration and efficacy
- **Study of Anaemic Status in Borphal Area and Patient Counseling** – Conducted community health assessment and provided evidence-based patient education on anemia management and prevention strategies

Peer-Reviewed Publications (6 Research Papers):

- Published in *Journal of Pharmaceutical Research International* (2021), *International Journal of Biology, Pharmacy and Allied Sciences* (2021), *Bulletin of Environment, Pharmacology and Life Sciences* (2022), *African Journal of Biological Sciences* (2024), *Asian Journal of Biomedical Research* (2024), and *Research paper* (2025)
- Research focus areas: microemulgel formulations, niosomal topical delivery, emulgel development, nanostructured lipid carriers, and microemulsion systems for drug delivery applications

PROFESSIONAL DEVELOPMENT

- **PET Qualified (2024)** – Pharmacy Entrance Test, SRTM University Nanded
- **International Conference:** Current Trends in Pharmacology Research – Preclinical Trials (ICCTPR-PT), Bhaskar Pharmacy College, Hyderabad (Jan 2020)
- **International Conference:** Innovation in Pharma Industry, Education and Research (IPIER 2020), Anurag Group of Institutions, Hyderabad (Feb 2020)
- **National Workshop:** Startups, Innovations and Intellectual Property Rights (IPR), Rajarshi Shahu Mahavidyalaya, Latur (July 2019)
- **Workshop:** Advances in Preclinical Research & Good Laboratory Practice System, Channabasweshwar Pharmacy College (March 2019)
- **National Conference:** Applications of Computational Chemistry in Pharmaceutical Research, Channabasweshwar Pharmacy College (March 2019)

MENTORSHIP & ACADEMIC CONTRIBUTIONS

- Successfully guided 7 B.Pharm students through graduation projects involving formulation development, analytical method validation, and pharmaceutical research
- Academic Coordinator role encompassing curriculum planning, academic quality monitoring, and institutional compliance oversight
- Active participation in examination administration including NEET Deputy Superintendent duties and MSBTE invigilation responsibilities
- Contributed to PCI committee activities ensuring adherence to pharmacy education standards and regulatory requirements

KEY STRENGTHS

Dedicated pharmaceutical educator and researcher with demonstrated ability to bridge academic knowledge and practical applications. Strong track record in formulation development research with focus on innovative drug delivery systems. Proven leadership in academic coordination and student mentorship. Committed to continuous learning, research excellence, and contributing to pharmaceutical sciences advancement through quality education and impactful research.