Sinhgad Technical Education Society’s  
Smt. Kashibai Navale College of Pharmacy  
Kondhwa-Saswad Road, Kondhwa (Bk.), Pune 411048

Core Research Areas

I. Pharmaceutics
   ➢ Solubility enhancement of BCS Class II drugs
   ➢ Lipid based drug delivery systems
   ➢ Nanoparticulate drug delivery systems
   ➢ Vesicular drug delivery systems
   ➢ Pulmonary drug delivery systems
   ➢ Herbal dosage forms
   ➢ Nanofibers

II. Pharmaceutical Chemistry
   ➢ Anti-diabetics and Anti-inflammatory agents
   ➢ Forced degradation of APIs & formulations
   ➢ Protein kinase inhibitors
   ➢ Anti-tubercular agents
   ➢ Biofilm inhibitors as anti-fungal agents
   ➢ Chemoinformatics and QSAR studies.
   ➢ Molecular modeling & molecular dynamics in drug design
   ➢ Computer-aided drug design
   ➢ Development and validation of stability indicating analytical method

III. Pharmacology
   ➢ Stem cell research- application in drug discovery.
   ➢ Toxicology - pre-clinical studies using emerging, innovative in vitro and in vivo methods.
   ➢ Pulmonary diseases, CVD, Cancer, Diabetes
   ➢ Pharmacological screening of phytoconstituents of medicinal plants.
   ➢ Pharmacoeconomics
   ➢ Clinical Pharmacology

IV. Pharmacognosy
   ➢ Isolation of Phytopharmaceuticals and their pharmacological screening
   ➢ Design & development of Herbal Formulations
   ➢ Ayurvedic shodhana processed crude drugs