

ONGOING PROJECTS ACADEMIC YEAR (2025)

S.NO	TITLE OF THE PROJECTS
1.	Cosmo-Rs Tailored Deep Eutectic Solvent – Based Supramolecular In-Situ Gel For Controlled Release Of Lapatinib Ditosylate Monohydrate: Enhancing Oral Solubility & Minimising Adverse Effects
2.	Formulation And Evaluation Of Insitu Forming Injectable Implants
3.	Design, Formulation Development, And In Vitro Evaluation Of Once-Weekly Oral Medication Of Hydroxychloroquine Sulfate For Antimalarial Therapy
4.	Formulation Development, Optimization, Evaluation & In-Vivo Assessment Study Of Olanzapine Inclusion Complexes With Beta– Cyclodextrin And Hydroxypropyl Beta – Cyclodextrin Oral Dissolving Films
5.	Formulation, Optimization And Evaluation Of Carvacrol Loaded Proniosomal Intra Nasal Insitu Hydrogel For Parkinson's Disease
6.	Formulation Development, Optimization And Evaluation Of Solid Self-Nanoemulsifying Drug Delivery System Of Gliclazide Using Omega-3 Fatty Acid In Fish Oil For The Treatment Of Type-2 Diabetes
7.	Design, Formulation Development And Invitro Evaluation Of Zonisamide Oral Disintegrating Tablets
8.	Design, Development And Evaluation Of Multilayer Transdermal Drug Delivery Formulation For Wound Healing
9.	Design, Formulation Development, And Evaluation Of Memantine Loaded Sustained Release Long-Acting Injection For Prolonged Alzheimer's Disease Therapy
10.	Silk Fibroin-Encapsulated Perfluorodecalin Microparticles For Enhanced Oxygen Delivery
11.	Exploring the Anti-psoriatic potential of an antibiotic Ciprofloxacin using <i>in-silico</i> , <i>in-vitro</i> and <i>in-vivo</i> methods on Imiquimod induced Psoriasis model in BALB/c mice.
12.	Therapeutic Role of Niosomes loaded with Deferasirox in Aluminium Maltolate-induced Alzheimer's Disease: A Study in Swiss Albino Mice
13.	Unraveling the Therapeutic potential of Vanillic acid for Diabetic Foot Ulcer: <i>In-silico</i> , <i>In-vitro</i> and <i>In-vivo</i> insights.
14.	Evaluation of anti-anemic activity of <i>Cissus quadrangularis</i> extract on Phenylhydrazine induced Anemia in Wistar Albino rats
15.	Evaluation of Anti-Psoriatic activity of gel containing <i>Abutilon indicum</i> leaf extract on Imiquimod induced Psoriasis in BALB/C mice
16.	Integrative Analysis of Linalool in Diabetic Foot Ulcer: <i>In-silico</i> <i>In-Vitro</i> and <i>In-Vivo</i> , Insights
17.	Evaluation of neuroprotective effect of Remogliflozin Etabonate: <i>In-vitro</i> and <i>In-vivo</i> studies in Haloperidol induced Parkinson's Disease in mice
18.	<i>In-vitro</i> and <i>In-vivo</i> evaluation of Anti- Osteoporotic activity of <i>Cardiospermum</i>

	<i>halicacabum</i> leaves extract in Corticosteroid induced Osteoporosis in Wistar Albino Rats and MG63 Cell line.
19.	<i>In-vitro</i> and <i>In-vivo</i> evaluation of Anti- Parkinson activity of Apremilast in Haloperidol-induced Parkinsonism in SH- SY5Y cell line and Swiss Albino Mice.
20.	Pharmacognostical, Phytochemical studies and Pharmacological Evaluation of Anti- Rheumatoid Arthritic activity on leaves of <i>Heliotropium indicum</i> Linn.,
21.	Formulation and Evaluation of topical herbal gel from the Tubers of <i>Dioscorea bulbifera</i> Linn., and pharmacological screening for Anti-Psoriasis activity on Imiquimod induced mice model
22.	Pharmacognostical, phytochemical studies and Pharmacological investigation of <i>Achyranthes aspera</i> root extract in alleviating Corneal opacity in rat model.
23.	Pharmacognostical, Phytochemical and Galactagogue activity of <i>Amaranthus viridis</i> in Lactating Rats
24.	Potential of <i>Lagenaria siceraria</i> (Mol.) standley leaves in promoting hair growth and treating Androgenic Alopecia.
25.	Formulation and evaluation of solid lipid nanoparticles from the root extract of <i>Hibiscus aculeatus</i> Roxb., and Pharmacological screening for drug induced Nephropathy on Gentamicin induced mice model
26.	Pharmacognostical and Phytochemical studies and Anti-anaemic evaluation of leaves of <i>Chamaecrista absus</i> Linn.,
27.	Pharmacognostical and phytochemical studies of fruits of <i>Phyllanthus distichus</i> Muell and Pharmacological screening on Ethylene glycol induced Urolithiasis.
28.	Pharmacognostical, Phytochemical studies and Pharmacological evaluation of Anti -Asthmatic activity on Seeds of <i>Phyllanthus emblica</i> Linn.,
29.	Design, Molecular Studies, Admet Prediction, Synthesis And Invitro Evaluation Of Some Novel Indole Derivatives As Potential Dual Targeting Mao B Enzyme And Dopamine D2 Receptor As Anti-Parkinsonism Agents
30.	Design, Docking, Synthesis And Biological Evaluation Of Novel 2,3 Dione Derivatives As Dual Antidiabetic Agents Targeting A Amylase, Dpp -4 Receptors
31.	Stability Indicating Uplc Method Development And Validation For The Quantification Of Atomoxetine Hydrochloride And Characterization Of Its Degradation Products
32.	2d Qsar, Design, In-Silico Studies, Synthesis, Characterization And In-Vitro Evaluation Of Some Novel Benzothiazole Derivatives Against Triple Negative Breast Cancer
33.	Stability Indicating Uplc Method Development And Validation For The Quantification Of Rupatadine Fumarate And Characterization Of Its Degradation Products
34.	Design, In-Silico Studies, Synthesis, Characterization And In-Vitro Evaluation Of Some Novel 2,4-Thiazolidinedione Derivatives As Non-Alcoholic Fatty Liver Disease Agents Targeting Free Fatty Acid Receptor 4.
35.	2d Qsar, Design, <i>In-Silico</i> Studies, Synthesis, Characterization And <i>In-Vitro</i>

	Evaluation Of Some Novel 1,2,4 Triazole As Effective Anti-Alzheimer's Agents Inhibiting Acetylcholinesterase Enzyme
36.	Design, 2d Qsar, Molecular Docking, Admet Prediction, Synthesis, Characterization And In-Vitro Hepg2 Cancer Cell Line Evaluation Of Some Novel Benzothiazole Derivatives As Potential Dual Tyrosine-Kinase Inhibitors Targeting Hepatocellular Carcinoma (Hcc)
37.	Design, Molecular Docking, Admet Prediction, Synthesis, Characterization And In Vitro Biological Evaluation Of Some Novel Isatin Derivatives As Potential Anti Breast Cancer Agents.
38.	Stability indicating UPLC development and validation for the quantificatin of Flubendazole and characterization of its dagration products.
39.	Stability indicating UPLC development and validation for the quantificatin of piroxicam and characterization of its dagration products