

PROJECTS

COMPLETED PROJECTS ACADEMIC YEAR (2023)

S.NO	TITLE OF THE PROJECTS
1.	Formulation, Optimisation and Evaluation of Dual sensitive Eudragit S100 coated alginate beads loaded with mesalamine for colon specific delivery.
2.	Formulation development, characterisation, optimisation and evaluation of simvastatin loaded solid self-nano-emulsifying drug delivery system by using coffee husk powder carrier for treatment of Hyperlipidaemia.
3.	Formulation development, optimisation and evaluation of hydrocortisone 17-butyrate film forming Emulgel for Atopic dermatitis and psoriasis.
4.	Formulation development, optimisation and evaluation of Nanocrystalline gel candies loaded with Gingko biloba.
5.	Formulation development, Optimisation and Evaluation of Propranolol HCl loaded niosomal buccal film.
6.	Formulation and Evaluation of Floating drug delivery system of Famotidine
7.	Formulation Development, Optimisation and Evaluation of Favipiravir loaded Chitosan coated Cubosomes entrapped in thermosensitive <i>insitu</i> intranasal gel for the treatment of COVID-19.
8.	Quality by Design (QbD) driven Formulation, Characterisation and Evaluation of Nanostructured lipid carrier – loaded Ciclopirox Olamine Nanogel for the Treatment of Dermatophyte infections.
9.	Formulation Development, Optimisation and Evaluation of Rivastigmine loaded Transfersosomal <i>insitu</i> intranasal gel for brain targeting to treat Alzheimer's Diseases.
10.	Formulation, Optimisation and Evaluation of Nano Emulgel of Trifarotene to treat Acne.
11.	Isolation, Characterization and Ameliorating effect of <i>Scoparia dulcis</i> Linn. On insulin resistance and Letrazole induced Polycystic Ovarian Syndrome in rats.
12.	Design, 2D QSAR studies, Molecular Docking, ADMET prediction, synthesis and biological evaluation of some novel Benzoxazole derivatives as potential Anti-Breast Cancer Agent
13.	Isolation, Characterization and Study of Fertility Enhancing Effect of <i>Morinda Pubescens</i> in rats by Nicotine Induced Reproductive Toxicity.
14.	Design And Biological Evaluation of Some Newly Synthesized Heterocyclic Analogues as Potential Dual JAK3 Enzyme and A Transcription Factor TAp63 Inhibitors for the Treatment of Rheumatoid Arthritis.
15.	Design, synthesis characterization and <i>in-vitro</i> evaluation of some novel Isatin-Mannich base derivatives against Lung Cancer
16.	Design, Docking, ADMET Prediction, Synthesis and <i>in-Vitro</i> Hepg2 Cancer Cell Line Evaluation of Novel Quinoxaline Derivatives as Potential Dual Tyrosine-Kinase Inhibitors Targeting Hepatocellular Carcinoma (HCC)

17.	Design, synthesis, characterization and biological evaluation of novel 2,4 -Thiazolidinedione derivatives as Anti-Diabetic Agent targeting PPAR- γ
18.	Design, 2D QSAR, <i>Insilico</i> studies, Synthesis, Characterization and <i>In-vitro</i> Evaluation of Some Novel Benzimidazole derivatives as Anti Alzheimer's agents Inhibiting Acetylcholinesterase Enzyme
19.	Design, 2d QSAR Studies, Molecular Docking, ADMET Prediction, Synthesis and Biological Evaluation Of novel Benzothiazole Derivatives as Potential Anti-Parkinson Agent targeting Monoamine Oxidase B enzyme
20.	Stability indicating UPLC method development and validation for the quantification of Venlafaxine hydrochloride and Characterization of its Degradation products.
21.	Anti-Anemic and Haemopoietic evaluation of <i>Drynaria quercifolia</i> Rhizome against Phenylhydrazine Induced Anemia in Wistar Albino Rats.
22.	Evaluation of Anti-Anemic activity of <i>Raphanus sativus</i> Leaves, on Phenylhydrazine Induced Anemia in Wistar Albino Rats.
23.	Evaluation of Anti-Alzheimer Activity of <i>Justicia tranquebariensis</i> using Scopolamine Induced Memory impairment in Swiss Albino Mice.
24.	Evaluation of Diuretic Activity of Pongammia pinnata Seeds Extract in Wistar Rats.
25.	Evzaluation of Anti-Alzheimer Activity of <i>Justicia glauca</i> using Scopolamine Induced Memory impairment in Swiss Albino Mice.
26.	Evaluation of Anti-Osteoporotic Activity of <i>Solanum torvum</i> Fruits using Glucocorticoid Induced Osteoporosis in Wistar Albino Rats.
27.	Evaluation of Nootropic Activity of Leaves of <i>Tylophora indica</i> (<i>Nanjaruppan</i>) using Scopolamine (L-Hyoscine) Induced Amnesia in Swiss Albino Mice
28.	Evaluation of Anti Thyroid Activity of <i>Morinda tinctoria</i> Roxb. Leaves against Thyroxine Induced Hyperthyroidism in Albino Wistar Rats.
29.	Evaluation of Nootropic Activity of Rhizome of <i>Corallocarpus epigaeus</i> (Akasa Garudan) using Scopolamine (L-Hyoscine) Induced Amnesia in Swiss Albino Mice.
30.	Invivo and Invitro Evaluation of Anti Osteoporotic Activity of <i>Manilkara Zapota</i> Seed (MZS) Extract in Corticosteroids Induced Osteoporosis in Wistar Albino Rats and MG 63 Cell Line.
31.	Pharmacognostical, Phytochemical studies and Anti-anaemic evaluation of bark of <i>Ixora arborea</i> Roxb
32.	Formulation of Oral solution for Anti-Urolithasis from polyherbals and evaluation of its effect on Experimentally induced Urolithiasis
33.	Development and Standardization of Phytosome loaded gel containing <i>Colocasia esculenta</i> Linn. And In-vivo evaluation of its effect on Androgenic Alopecia
34.	Formulation And Standardization Of Ethanolic Extract of Aerial Parts Of Barleria Cristata Loaded Phytosomal Inhalation AndPharmacological Evaluation For Anti- Asthmatic Activity
35.	Cardioprotective potential of <i>Benincasa Hispida</i> (Thunb.) Fruit Using <i>Daphna Magna</i> and Formulation and evaluation of Sublingual film
36.	Formulation and Evaluation of <i>Sphaeranthus indicus</i> Linn. (East Indian Globe Thistle) loaded nanoparticles for Anti-hypertensive activity
37.	Formulation, Standardization and Evaluation of Herbal Capsule of <i>Phyla nodiflora</i> Linn. For Anti-

	ulcer activity
38.	Formulation and Evaluation of Anti-Diabetic And Anti-Hyperlipidemic Polyherbal capsule.
39.	Assessment of Ameliorative potential of <i>Nyctanthes arbor-tritis</i> Linn. leaves extract loaded chitosan nanoparticle in Parkinson's disease

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1.	Formulation and evaluation of mesalamine loaded nanosponge for the treatment of ulcerative colitis
2.	Formulation development, optimization and evaluation of novasomes loaded novel sunscreen gel
3.	Design, development, optimization and evaluation of microballoons of terbutaline sulphate
4.	Formulation development, Characterization and in-vitro evaluation of Nadifloxacin and Clobetasol propionate hydrogel
5.	Formulation development, optimization and in vitro evaluation of solid self-nanoemulsifying drug delivery system of benazepril
6.	Formulation development, optimization and evaluation of triamcinolone loaded transferosomal gel for treatment of psoriasis
7.	Evaluation of Diuretic Activity of <i>Lannea coromandelica</i> (Houtt.) Merr. Leaves using Albino Wistar Rats
8.	Evaluation of Anti-Anemic activity of Aerial parts of <i>Cynodon dactylon</i> (L.) Pers against Phenyl hydrazine Induced Anemia in Wistar Albino Rats
9.	Evaluation of <i>In-vitro</i> and <i>In-Vivo</i> Diuretic Activity of Leaves of <i>Melia azedarach</i> Linn in Albino Wistar Rats
10.	Evaluation of Antioxidant and Anxiolytic Effect of Ethanolic Extract of <i>Cymbopogon Flexuosus</i> Root in Swiss Albino mice
11.	Evaluation of Anti-Epileptic Activity of <i>Emblica officinalis</i> Linn. Seeds using Swiss Albino Mice
12.	Evaluation of Antipyretic and Antioxidant Activity of <i>Barleria prionitis</i> Linn. Root Extract against Brewer's Yeast induced Pyrexia in Wistar Albino Rats
13.	Evaluation of Wound Healing Activity of Ethanolic Extract of <i>Bougainvillea glabra</i> Choisy Bracts on Diabetes Induced Albino Wistar Rats

14.	Evaluation of Anti-Anemic activity of Leaves of <i>Mangifera indica</i> (L.) against Phenyl hydrazine Induced Anemia in Wistar Albino Rats
15.	Evaluation of Anxiolytic Activity of Ethanolic Seed Extract of <i>Perilla frutescens</i> (L.) Britton in Swiss Albino Mice
16.	Study of antihyperuricemic activity of <i>Hygrophila auriculata</i> (Schum.) Heine Seed extract loaded self-emulsifying microemulsion.
17.	Formulation and Evaluation of Herbal Capsule from the leaves of <i>Bacopa monnieri</i> Linn. and pharmacological screening of diuretic activity.
18.	Pharmacognostical, phytochemical studies and Anti-ulcer evaluation of leaves of <i>Cassia occidentalis</i> Linn.
19.	Formulation and Evaluation of Phytosome Nanoparticles Loaded Herbal Capsule from the leaves of <i>Coccinia grandis</i> (Linn.) Voigt. and Pharmacological screening for Anti- Asthmatic activity
20.	Formulation and Evaluation of <i>Sarcostemma acidum</i> Voigt. Loaded chitosan nanoparticles for Anti Alzheimer activity
21.	Pharmacognostical, Phytochemical studies of leaves of <i>Sphaeranthus indicus</i> Linn. and Evaluation of its effect on Male impotency
22.	Formulation and Evaluation of thermo- sensitive in-situ. nano gel from the roots of <i>Pseudarthria viscida</i> Linn. and Pharmacological screening for Anti-depressant activity
23.	Formulation and Evaluation of Nanoparticle Nano sponge loaded topical herbal gel from the leaves of <i>Abrus precatorius</i> Linn. and Pharmacological Screening for Anti-Psoriatic Activity on imiquimod induced mice model
24.	Pharmacognostical, Phytochemical studies and Formulation and Evaluation of Anti- convulsant Activity of Tablet containing Whole Plant Extract of <i>Cleome gynandra</i> Linn.
25.	Comparative Phytochemical Profile of <i>Wedelia chinensis</i> (Osbeck) Merr. And <i>Eclipta alba</i> (Linn.) Hassk and Anti-cholelithiatic effect of wedelolactone loaded phytosome in BALB/C mice
26	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
27	Design, docking, synthesis and biological evaluation of novel 2,3 dione derivatives as dual antidiabetic agents targeting α amylase, dpp -4 receptors
28	Stability indicating uplc method development and validation for the quantification of

	atomoxetine hydrochloride and characterization of its degradation products
29	2d qsar, design, in-silico studies, synthesis, Characterization and in-vitro evaluation of some Novel benzothiazole derivatives against triple Negative breast cancer
30	Stability indicating uplc method development and validation for the quantification of rupatadine fumarate and characterization of its degradation products
31	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.
32	2d qsar, design, in-silico studies, synthesis, characterization and in-vitro evaluation of some novel 1,2,4 triazole as effective anti-alzheimer's agents inhibiting acetylcholinesterase enzyme
33	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)
34	Design, molecular docking, admet prediction, synthesis, characterization and in vitro biological evaluation of some novel isatin derivatives as potential anti breast cancer agents.