

Completed Projects till year 2022: ((include PGs thesis & e-journals submitted))

S.N O	Year	TITLE OF THE PROJECT	FundedYes / No, If Yes - Details
1.	2022	Formulation Optimization and Evaluation of Olmesartan Medoxomil loaded nanostructured lipid carrier by using natural oil	No
2.	2022	Formulation, Development and <i>Invitro</i> Characterisation of Oral Floating <i>in-situ</i> gelling liquid system of losartan Potassium	No
3.	2022	Formulation and Characterisation of Uradapil loaded chitosan nanoparticles for the treatment of Hypertension	No
4.	2022	Formulation characterisation and evaluation of Gel incorporated silver nanoparticle using <i>Oxystelma Esculentum</i> for Antibacterial activity	No
5.	2022	Formulation, optimization and Characterisation of Ranozoline loaded cubosomes for the treatment of angina pectoris	No
6.	2022	Formulation development and evaluation of Clinidipine Nanosuspension for the treatment of Hypertension using anti-solvent precipitation technique.	No
7.	2022	Formulation, Development and Characterisation of Nateglinide loaded Nan sponges for the treatment of Type-II Diabetes Mellitus	No
8.	2022	Formulation optimization and Characterisation of Self-Micro emulsifying Drug delivery system of ivermectin.	No
9.	2022	Design, Synthesis, Characterization and Biological evaluation of Novel Saccharin derivatives as Anti-tubercular agents targeting Glutamine synthetase	No
10.	2022	Design, Synthesis, Characterization and Biological evaluation of Novel Benz imidazole sciff base derivatives as Anti-tubercular agents targeting Glutamine synthetase	No
11.	2022	Design, Synthesis and Pharmacological evaluation of novel heteroscyyclicPCSK9inhibitore as anti hyperlipidemic agents	No
12.	2022	Design, Synthesis, characterization and biological evaluation of some novel Isatin- Urea schiff base derivatives as antitubercular agents targeting the enzyme ATP Synthase.	No
13.	2022	Design, Synthesis, characterization and biological evaluation of novel quinoline-thiadiazole derivatives as antitubercular agents targeting ATP Synthase	No
14.	2022	Design, Synthesis, characterization and biological evaluation of novel Pyridine-thiadiazole derivatives as antitubercular agents targeting ATP Synthase	No
15.	2022	Stability indicating UPLC method development and validation for the quantification of Ibandronate sodium and characterization of its degradation products.	No
16.	2022	Design, Synthesis, Characterization and Biological evaluation of Novel Benzimidazole chalcone derivatives as Anti-tubercular agents targeting Glutamine synthetase 1	No
17.	2022	Isolation, Characterization and Evaluation of Anti- Alzheimer activity on the aerial parts of <i>Oxystelmaesculentum</i> R.Br.	No
18.	2022	Formulation, evaluation and standardization of herbal gel for the treatment of arthritis	No

19.	2022	Formulation, evaluation and standardization of polyherbal ointment for the treatment of rheumatoid arthritis	No
20.	2022	Formulation and evaluation of combined <i>momordica charantia</i> and <i>Alpinia galanya</i> loaded phytosomal capsule for hyperlipidemia	No
21.	2022	Pharmacognostic and phytochemical studies and anti-diabetic evaluation of leaves of <i>cyamopsis tetragonoloba</i> (l.) Taub.	No
22.	2022	Formulation, characterization and evaluation of resveratrol loaded nanosponges for the treatment of breast cancer	No
23.	2022	Development and standardization of polyherbal capsules	No
24.	2022	Pharmacognostical, phytochemical studies and evaluation of hyperlipidemic activity of fruits of <i>Terminalia arjuna</i> (Roxb.) W. & a. (Combretaceae)	No
25.	2022	Formulation, evaluation and characterization of capsules containing nanoparticles from the leaves of <i>ipomea batatas</i> l. (lam.) For the treatment of cancer	No
26.	2022	Pharmacognostical, phytochemical studies and evaluation of diuretic activity of roots of <i>Indigofera tinctoria</i> Linn., (Fabaceae)	No
27.	2022	Formulation and evaluation of <i>aplina galanga</i> extract loaded niosomal patch for the treatment of breast cancer	No
28.	2022	Evaluation of Antiuro lithiatic activity of Malli Chooranam by Ethylene glycol and Ammonium chloride Induced Urolithiasis in Male Albino Wistar Rats	No
29.	2022	Evaluation of anti-oxidant and Anti urolithiatic activity of Seenthil Chooranam by Ethylene Glycol Induced Urolithiasis model in Albino wistar rats	No
30.	2022	Protective Role of Naga parpam - a zinc based herbo-mineral formulation against Monocrotophos induced fertility changes in Male Wistar Rats.	No
31.	2022	Evaluation of Hepatoprotective and Antioxidant activities in Manjal Noei Kudineer against CCL4 Induced hepatotoxicity in Wistar Rats	No
32.	2022	Alleviative effects of beta-Caryophyllene against Isoniazid and Rifampicin induced Hepatotoxicity in Wistar Rats.	No
33.	2022	Repurposing Antiplatelet agent Cilostazol against Malarial infection: In vivo, In vitro and Molecular Docking study.	No
34.	2022	Anti-obesity effect of Sofalcone via downregulation of Adipogenesis in High- fat diet induced obese mice model.	No
35.	2022	Effect of Amiloride on Ethylene glycol and Ammonium chloride induced Urolithiasis in Wistar rats by In vivo and In vitro methods.	No
36.	2022	Evaluation of Antihyperlipidemic activity of Tricovas (Ayurvedic Polyherbal Formulation) against High-Rich Cholesterol Diet Induced Hypercholesteremia in Albino Wistar Rats.	No
37.	2022	Evaluation of Hepatoprotective Activity of Pidanga Naari Kudineer Chooranam on Isoniazid Induced Hepatotoxicity In Wistar Rats by in vitro and in vivo study	No

Ongoing Projects: (include PGs ongoing thesis & e-journal)

S.NO	Year	TITLE OF THE PROJECT	FundedYes / No,If Yes - Details
1	2023	Formulation and Evaluation of Ocular <i>insitu</i> Nanogel of Moxifloxacin and Betamethasone for the treatment of Conjunctivitis.	No
2	2023	Formulation, Optimization and Evaluation of Terbinafine loaded Nanosponge hydrogel for the treatment of Dermatophyte infections.	Yes
3	2023	Formulation, Optimization and Evaluation of a novel Transethosomal gel loaded with Miconazole Nitrate for topical Antifungal activity	No
4	2023	Formulation, Characterisation and Evaluation of specific antibacterial Nanogel	No
5	2023	Formulation and Evaluation of Cilnidipine loaded Nanostructured Lipid Carriers using Vegetable oil	No
6	2023	Formulation, Optimization and Evaluation of Levodopa loaded Cubosomal <i>insitu</i> Intranasal gel for Brain targeting to treat Parkinsonism	No
7	2023	Formulation and Evaluation of Olmesartanmedoxomil sustained release Floating tablets	No
8	2023	Formulation development, Optimization and Evaluation of Carvedilol loaded Nanocrystal Orodispersible tablets for the management of Hypertension.	No
9	2023	Formulation, Optimization and Evaluation of Loratadine loaded Proniosomal gel for the treatment of Urticaria	No
10	2023	Design, Synthesis and Characterization Of Some Novel Benzimidazolyl pyrimidine derivatives as potential anticancer agents inhibiting MTHFD2 enzyme.	Yes
11	2023	Design, Synthesis, Characterization and Biological evaluation of Novel chalcone derivatives as Anti-tubercular agents targeting Glutamine synthetase	No
12	2023	Design, synthesis, characterization and biological evaluation of novel Benzthiazole derivatives as anti-tubercular agents targeting L,D Transpeptidase	No
13	2023	Design, synthesis, characterization and biological evaluation of some novel hydrazine derivatives as anti-tubercular agents targeting l,d Transpeptidase	Yes
14	2023	Quantification of Selected Components to determine the quality of Ice cream by Suitable Analytical Techniques.	No
15	2023	Isolation, characterization and evaluation of Protective effects of fruits of Helicteresisora Linn. on non alcoholic fatty liver disease.	No
16	2023	Design, synthesis, characterization and biological evaluation of novel benzimidazole derivatives as anti- tubercular agents targeting glutamine synthetase	No
17	2023	Design, synthesis, characterization and biological evaluation of novel Thiazolothiadiazole and Schiff's base derivatives as a antitubercular agents against LD- transpeptidase	No
18	2023	Design, Synthesis, Characterization and <i>in vitro</i> evaluation of some novel isatin schiff's base derivatives as Anti-Alzheimer agents inhibiting Acetylcholinesterase enzyme	No

19	2023	Formulation of lycopene loaded nanogel from <i>Citrullus lanatus</i> Linn., and evaluation of its effect of dht blocking activity in androgenic alopecia	No
20	2023	Formulation, standardization and evaluation of herbal capsule of <i>acalypha indica</i> linn., for diuretic activity	No
21	2023	Pharmacognostical, phytochemical studies and evaluation of anti gout activity in leaves of <i>musaparakasiaca</i> Linn., (musaceae)	Yes
22	2023	Formulation and evaluation of essential oil encapsulated nanofibres from <i>Ocimum sanctum</i> linn., for wound healing activity”	No
23	2023	Pharmacognostical, phytochemical and in-vivo evaluation of diuretic activity on the barks of <i>Abutilon indicum</i> linn.,	No
24	2023	Formulation and evaluation of nanoemulgel from the roots of <i>Hemidesmus indicus</i> for antileucodermic activity	No
25	2023	Pharmacognostical, phytochemical studies and anti-rheumatic evaluation of leaves of <i>Turnera ulmifolia</i>	No
26	2023	Formulation, standardization and evaluation of herbal gel of <i>tabernaemontana coronaria</i> for anti-rheumatic activity	Yes
27	2023	Formulation of coumestrol loaded phytosomal capsule from the sprouts of <i>Vigna radiata</i> Linn., and evaluation of its effect on experimentally induced polycystic ovarian disease	No
28	2023	Formulation and evaluation of microemulsion of <i>Xanthium strumarium</i> linn. And pharmacological effects on experimentally induced polycystic ovarian disease in animal model	No
29	2023	Evaluation of In-Vitro Antioxidant and In-vivo Diuretic activity of Poosani Chooranam in Albino Wistar Rats”	No
30	2023	A Preclinical study of Trikatu Churna an classical Ayurvedic formulation in Wistar Albino Rats in the treatment of IBS”	No
31	2023	Therapeutic Effect of Anethum graveolens (Dill) Seed Extract for the Treatment of Dextran Sodium Sulfate induced Ulcerative Colitis in Wistar Rats	No
32	2023	Evaluation of Pun Purai ennai, a Polyherbal formulation on Skin wound, burn wound healing in Albino Wistar rats and Streptozotocin- induced Diabetic Rat wound healing activity	No
33	2023	Evaluation of anti-oxidant and anti-ulcer activity of Karuvepillai vadagam of polyherbal formulation against Aspirin induced Ulcer model in Albino Wistar Rats”	No
34	2023	Evaluation of Anti-osteoporotic activity of Rasna Saptaka Kwatham- A Siddha formulation using Corticosteroid induced osteoporosis in Wistar Albino Rats	No
35	2023	Evaluation of Anti-oxidant and Anti-urolithiatic activity of Nathai Choori seeds by Ethylene Glycol and Ammonium chloride induced Urolithiasis in Male Albino Wistar Rats	Yes
36	2023	“Effect of Shatavarighrita (polyherbal formulation) on Testicular Dysfunction in Streptozocin induced Diabetes in Wistar Albino Rats	No
37	2023	isolative effect of Dhatryadi ghrita on Letrozole induced Polycystic Ovarian Syndrome in Female Wistar Rats	No

PUBLICATIONS

S.No	Year	Citation	Indexing
1	2022	Synthesis, Molecular Docking and Invitro Evaluation of Nipecotic Acid-Flavone Hybrids as Anti Alzheimer Agents. –A Multi Target Directed Ligand Approach. Journal of Pharmaceutical Negative Results. 2022; 229-238	Google Scholar
2	2022	Multi Targeted Docking Analysis and in Vitro Efficacy of Novel Substituted Piperidine-Flavone Analogues for Alzheimer’s Disease. NeuroQuantology December 2022 Volume 20 Issue 20 Page 950-956	Scopus
3	2023	Molecular Docking Study of Isatin Derivatives with Acetylcholinesterase Enzyme to Develop a Novel Anti-Alzheimer Drug. <i>International Journal of Science and Research Methodology</i> September 2023 Vol.:25, Issue:3	Google Scholar
4	2023	IN SILICO COMPUTATIONAL STUDY OF CHROMONE SCAFFOLDS AS DENGUE RDRP INHIBITORS. World Journal of Pharmacy and Pharmaceutical Sciences. Vol, 2023; 12, Issue 7. 1497-1507	Google Scholar
5	2021	An update of COVID-19 pandemic in India. Health Sci Reports 2021 Aug; doi: 10.1002/hsr2.359.	Scopus, Pubmed
6	2023	Investigation of medicinal plants for antimalarial activity. Int J Biol Pharm Allied Sci 2023 Nov; 12(11):4931-43	Web of Science
7	2023	Assessment of cardio-protective activity of <i>Barleria cristata</i> Linn. using <i>Daphnia magna</i> as model. Research J Pharm Tech 2023;16(4):1587-92	Scopus
8	2021	In-vitro antioxidant and cardioprotective effect of <i>Delonix elata</i> (L) Leaf extract against Doxorubicin induced toxicity in H9c2 cardio-myocyte cell line. Archana.V Indumathy. R. Research Journal of Pharmacy and Technology. 2021; 14(11):5635-5641	Scopus
9	2022	Evaluation of anti-tubercular activity and Hepatoprotective activity of <i>Aristolochia bracteolata</i> –in vitro study. Nivedhitha S, Indumathy R. Research Journal of Pharmacy and Technology. 2022;15(8):3417-3422	Scopus
10	2022	Anti-urolithiatic activity of ethanolic extract of <i>Eichhornia crassipes</i> (Mart.) Solms whole plant on ethylene glycol induced urolithiasis in wister rats. Revathi M, Indumathy.R. Asian Journal of pharmaceutical and Clinical Research. 2022;15(2): 141-145	Scopus
11	2023	Evaluation of In-vitro Anti-oxidant and Anti-ulcer activity of Karuvepillai Vadagam extract against Aspirin induced Ulcer model in Albino Wistar Rats. International Journal of Pharmacy & Pharmaceutical Research.2023;28(2):38-53	Web of science
12	2021	Antitubercular study of stem bark of <i>Albizia procera</i> Roxb Benth using Microplate alamar Blue Assay. RJPT 14(12) December 2021	Scopus
13	2021	Evaluation of N – Butanol Fraction of Albizia procera (ROXB.) Benth against Diabetes Mellitus with Rats. RJPT 14(12) December 2021. 15(4): April 2022	Scopus
14	2022	In vitro Alpha amylase and Alpha glucosidase enzyme inhibition of leaf extracts of <i>Jatropha glandulifera</i> Roxb. 2022 Volume 15 Issue 6	Scopus
15	2024	Screening of <i>Oxystelma esculentum</i> R.BR extracts for acetyl cholinesterase inhibitory activity. 2024, Volume 17 issue 1	Scopus
16	2023	Evaluating in silico docking, drug likeness and QSAR studies of Ayush Kwath as a potential immunomodulator, International Journal of Pharmacy and Pharmaceutical Research(IJPPR), 26(4),March 2023, 28-40.	Scopus
17	2023	Quantification of azodicarbonamide in selected food samples by validated RP-UPLC method and in-silico docking study of azodicarbonamide as a potential imunomodulator, International Journal of Natural Sciences, 14(77), April 2023, 54637-54641.	Scopus
18	2023	Development of novel colorimetric and FTIR spectroscopic methods for the quantification of Barnidipine hydrochloride in active pharmaceutical ingredient, International Journal of Pharmacy and Pharmaceutical Research(IJPPR), 27(1),April 2023, 208-213.	Scopus
19	2023	Quantitative Analysis of Heavy Metals in Selected Ice Cream Samples by Atomic Absorption Spectroscopy, Indian Journal of Natural Sciences, 14(80), Oct 2023,62197-62202	Scopus
20	2021	Design, synthesis, characterization and evaluation of natural potent Apo lipoprotein E4 inhibitors for the treatment of Alzheimer’s disease-IJPSR,2021,Vol.12 (3)-1453-1464	Web of science

21	2022	<i>Insilico</i> identification of newer potential propriety converses sulestilsin/kexin type 9 nhbitors as potent anti-hyperlipidemia agents IJPSR,2022,Vol.13(12),1552-5168	Scopus
22	2022	Insilico identification of newer potential lemur tyrosine kinase -3-inhibitors for the Insilico identification of newer potential glycogen synthase kinase 3 Beta inhibitors for the treatment of Alzheimerdisease,WJPR,Vol.11(5)-2158-2177	Google Scholar
23	2023	Formulation developmets, optimization and evaluation of carvedilol loaded nano crystal or dispersible tablets for the management of hypertension. international journal of pharmaceutical research and application volume 8,issue 6, Nov – Dec.2023,PP 2651-2662	Scopus
24	2022	Formulation and evaluation of controlled release diacerein microspheres using egg albumin. Indian journal of noval drug delivery 14 (2) ,Apr-Jun 2022,87-99.	Google Scholar
25	2023	Evaluation of Anti Osteoporotic Activity of Rasna Saptaka Kwatham – A Siddha formulation using Corticosteroid Induced Osteoporosis in Wistar Albino Rats. International Journal of Pharmacy and Pharmaceutical Research.	Scopus
26	2023	Effect of Shatavari Ghrita (Polyherbal Formulation) on Testicular Dysfunction in Streptozocin Induced Diabetes in Wistar Albino Rats. International Journal of Creative Research Thoughts	Scopus
27	2023	Evaluation of Antioxidant and Anti-Urolithiatic Activity of <i>Nathai Choori</i> Seeds by Ethylene Glycol and Ammonium Chloride induced Urolithiasis in Wistar Rats. International Journal of Novel Research and Development	Scopus
28	2023	Evaluation of Anti-Cancer Activity of Ethanolic Extract of <i>Strobilanthes ciliatus</i> Leaves of HT-29 Cell Lines. Asian Journal of Biological and Life Sciences	Web of Science
29	2022	Evaluation of Cytotoxic potential of Ethanolic and Acetone extract of <i>Abelmosches moschatus</i> on Hep G2 Cell lines. Asian Journal of Biological and Life Sciences	Web of Science
30	2021	Phytochemical Screening, Toxicity evaluation of <i>Polycarpaea corymbosa</i> Lamk and its effect on Cancer Biomarkers of Ehrlich Ascites Carcinoma-Induced Mice compared with the reference standard drug 5-Fluorouracil. Asian Journal of Pharmaceutical and Clinical Research.	Google Scholar
31	2024	Evaluation of Pharmacognostical and phytochemical studies for the development of quality control parameters for stem bark of <i>Ximenia Americana</i> Linn. (Olacaceae). Anc Sci Life 2024 March: 1-10. Doi: 104103/asl.asl_7_22.	Web of Science