

List of Research Projects (Dissertations)-2020-22
in
Department of Pharmaceutical Sciences and Natural Products (DPSNP), CUPB

Program	Course Code	Enrolment number	Student Name	Project title
M.Pharm. Pharmaceutical Chemistry (2020-22)				
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm01	ANGRE TANUJA DHARMRAJ	Design, synthesis and in silico studies of quinazolinone derivatives as PARP-1 inhibitors
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm02	BURUGA HARIKA	Design, synthesis and screening of indolo[2,3-b]quinoxaline as potential aldose reductase inhibitors for the management of diabetic complications
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm03	JANGA RAMYA	Synthesis of dehyrozingeronone based 4,5-dihydro-1-H-pyrazoles as putative anti-proliferative agents
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm04	KANAMARLAPUDI JOSHNA LAVANYA	Synthesis and <i>In silico</i> studies of Thiazole Derivatives as anti-breast cancer agents
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm05	KOTHAPALLI CHANDRA SEKHAR	Design and synthesis of benzimidazole derivatives as potential Hypoxia Inducible Factor-1 α (HIF-1 α) inhibitors
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm06	KUBER KUMAR BHAGAT	Design, synthesis and in silico studies of pyrimidine derivatives as DHFR inhibitors
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm07	MANISHA DEVI	Design, Synthesis, and <i>In-silico</i> study of ϵ -2- benzylidenebenzo[b]thiophen-3(2H)-one as Xanthine Oxidase Inhibitor
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm08	MEGHA YADAV	Design, synthesis and in silico studies of pyrazole derivatives as BRAF inhibitors
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm09	NANDINI	In silico study and synthesis of oxazole derivatives as anti-breast cancer agents

M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm10	NEHA	Design, synthesis and biological screening of novel triazino indoles as potential MDM2/MDM2-p53 interaction inhibitors for the management of cancer
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm11	PATIL KIRAN TRYAMBAK	Design, Synthesis and <i>In silico</i> study of Imidazo[1,2-a] quinoxaline Schiff Bases as Putative Anti-cancer agents
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm12	PRAKASH SHYAMBABU MISHRA	Synthesis, <i>In silico</i> and biological evaluation of Coumarin derivatives as AChE inhibitors for Neuroprotection
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm13	RAHUL CHARUDATTA CHOUDHARI	Synthesis and molecular modelling of Indole-chalcone derivatives as anti-breast cancer agents
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm14	RASTI SAHU	Design, synthesis and in silico studies of benzimidazole derivatives as MEK inhibitors
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm15	SUBRATA BARICK	Design, Synthesis and <i>In silico</i> study of 2-(arylidene) benzo[b] thiophen-3(2H) one 1,1-dioxides Targeting Topoisomerases
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm16	SWEETY DAS	Design, synthesis and biological screening of novel coumarin derivatives as potential selective estrogen receptor modulators for the treatment of ER+ breast cancer
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm17	TANMOY TANTRA	Synthesis of Mannose Conjugated Silver Nanoparticles and Phosphate Prodrug of Ferulic acid
M.Pharm Pharmaceutical Chemistry	MPC 599	20mpharm18	RAKESH KUMAR	Design, synthesis and biological screening of novel Thiophene-Thiazolidinedione hybrid molecules as potential PTP-1B Inhibitors for the treatment of Breast Cancer
M.Pharm. Pharmacognosy (2020-22)				

M.Pharm Pharmacognosy	MPG 599	20mphyto01	SONI DHAULAKHANDI	Extraction, phytochemical screening and biological evaluation of <i>Rubus ellipticus</i> root extracts
M.Pharm Pharmacognosy	MPG 599	20mphyto02	ANKIT GUPTA	Phytochemical screening and <i>in silico</i> study of secondary metabolites from <i>Boerhavia diffusa</i> as estrogen receptor- α inhibitors
M.Pharm Pharmacognosy	MPG 599	20mphyto03	BONDALAKUNTA SAIESWAR	Extraction, phytochemical screening and biological activities of <i>Aglaia elaeagnoidea</i> leaves' extracts
M.Pharm Pharmacognosy	MPG 599	20mphyto04	GURUPRIYA S	Phytochemical estimation and <i>in silico</i> study of secondary metabolites from <i>Withania somnifera</i> as anticancer agents
M.Pharm Pharmacognosy	MPG 599	20mphyto06	RUPAK SARKAR	Extraction, Isolation and characterisation of Phytoconstituents of <i>Diplocyclos palmatus</i> fruits
M.Pharm Pharmacognosy	MPG 599	20mphyto07	ANJU	In vitro and <i>in silico</i> evaluation of essential oil obtained from <i>Eucalyptus tereticornis</i> in Lung Cancer
M.Pharm Pharmacognosy	MPG 599	20mphyto08	SHIKHA AGRAWAL	Extraction, phytochemical profiling and biological evaluation of <i>Prunus cerasoides</i> leaf extracts
M.Pharm Pharmacognosy	MPG 599	20mphyto09	AKANKSHA SHARMA	Extraction, phytochemical analysis and in vitro biological evaluation of leaves' extracts of <i>Ruellia tuberosa</i> L.
M.Pharm Pharmacognosy	MPG 599	20mphyto10	GAUTRE PRANAY GUNWANTA	Extraction and anticancer evaluation of essential oil from <i>Plectranthus amboinicus</i>
M.Pharm Pharmacognosy	MPG 599	20mphyto11	SONALI PRIYADARSANI	Isolation of constituents from <i>Garcinia mangostana</i> and synthesis of their derivatives as putative xanthine oxidase inhibitors
M.Pharm Pharmacognosy	MPG 599	20mphyto12	ANUSHA GUPTA	Extraction, Phytochemical screening and <i>in silico</i> evaluation of secondary

				metabolites of <i>Stevia rebaudiana</i> Bertoni as neuroprotective agents
M.Sc. Chemical Sciences (Medicinal Chemistry)-(2020-22)				
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs01	ADITYA RAJ	Molecular docking studies of quinazoline derivatives as PI3K α inhibitors
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs02	ANNWESHA SARKAR	Design, synthesis and screening of rhodanine dimethyl amino benzyldine derivatives as anticancer agents
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs04	ARIYA C	Design and synthesis of Novel Thiazolidinedione Derivatives as Potential Inhibitors of PTP1B for the Management of Diabetes Mellitus
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs05	AVINASH KUMAR	Molecular Docking Studies of Quinoline Derivatives as Topoisomerases Inhibitors
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs07	DYUTI BHANDARY	Design, synthesis and screening of Novel Polyphenolic boron derivatives as anticancer agents
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs08	IRINE PAULY	Current insights and molecular docking studies of FDA approved or drugs under clinical trial as RdRp inhibitors for COVID-19 treatment
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs09	MANASWINI SARANGI	Pharmacophore Modelling of 1,3,4-Oxadiazole Derivatives as Potent Tubulin Inhibitors
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs10	ABHISHEK SAINI	<i>In Silico</i> Evaluation of Terpenoids as Dihydropteroate Synthase and Dihydrofolate Reductase Inhibitors
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs11	NIYATHA LOHITHAKSHAN K	In silico studies of US-FDA approved drugs or drugs under clinical trial which violate Lipinski's rule of 5
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs13	POULAMI PAUL	Mutations in main protease (Mpro) of Covid-19 affecting Binding affinity of Drugs- An analysis based on virtual Screening

M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs14	SADIA TABASSUM	A Virtual Screening- Based Study for the Identification of Selective Inhibitor of CYP3A5
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs15	SOUREN MONDAL	Design, synthesis and in vitro screening of novel triazole derivatives as anticancer agents via click chemistry
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs16	SREEJITH N V	Pharmacophore mapping and atom-based 3D QSAR study of imidazoline derivatives as MDM2 inhibitors for the treatment of cancer
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs17	SUSHREE MADHULIKA	In Silico Study of Quinoline Derivatives as Antimalarial Agent
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs18	VAISHALI	In silico studies of 1,2,3- triazoles as PARP-1 inhibitors
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs19	AJAY ARAVIND P	<i>In Silico</i> Evaluation of Terpenoids as Dipeptidyl Peptidase-4 (DPP-4) Inhibitors in Diabetes
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs20	INDU M	Virtual Screening of Chemical Probes for HDAC Inhibitor
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs21	MEGHA TIWARI	Atom-based 3D QSAR study of pyrazine derivatives as ALR2 inhibitor in the management of diabetes mellitus
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs22	PRITI	In silico studies of imidazole derivatives as anti-MRSA agents
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs23	PARTHA SARATHI MAHANTA	A review on perchloric Acid Absorbed on Silica Catalyzed Reactions
M.Sc. Chemical Sciences (Medicinal Chemistry)	CMC599	20mscchs25	TALAGAMPA ARAVIND	Exploring Potential Anti-diabetic Activity of Flavonoids as PPAR- γ Agonist: An <i>In silico</i> Approach