SIR SYED COLLEGE TALIPARAMBA
Department of Chemistry
Details of PG projects
M.Sc. Chemistry 2024-26 batch

S.l. No.	Reg. No	Name	Project Title	Institution	Department	External Guide	Internal Guide
1	C4PSCH1401	AKSHAY SUKUMARAN	Photo-deposited Cobalt Co-Catalyst on TiO2 for the Reduction Half Reaction in Artificial Photosynthesis	CUSAT	Department of Applied Chemistry	Dr.Sebastian Nybin Remello	Dr. Ashwani Kumar N.
2	C4PSCH1402	MOHAMMED SINAN K.	Synthesis, Modification and Characterization of MOF and Zeolite Based Adsorbents for CO2 Capture	CSIR-IICT, Hyderabad	Polymer and Functional Materials	Dr. Rohit Kumar Rana	Dr. Rajeena Pathoor
3	C4PSCH1403	ANWAYA A.	Synthetic Study of Monchicamide-I	CSIR-IICT, Hyderabad	Organic Synthesis and Process Chemistry	Dr.Subhash Ghosh	Dr.Sarayu Jayadevan
4	C4PSCH1404	DILSHA K. M.	Cross Ketonization of Carboxylic Acid	CSIR-IICT, Hyderabad	Catalysis and Fine Chemicals	Dr. Alekhya K.	Dr. Rajeena Pathoor

5	C4PSCH1405	EZATHUL FAHMIDA M. A.	Development of a Novel Functional Material Platform by Hybridizing SnTCPP/Zr MOF with Nickel-Doped SnO_2 for Enhanced Photoelectrochemical Applications	CUSAT	Department of Applied Chemistry	Dr. Sebastin Nybin Remello	Dr. Ashwani Kumar N.
6	C4PSCH1406	FATHIMATH ADILA	Design, Synthesis and Self-Assembly of Organic Donor–Acceptor Systems for Bulk Heterojunction Applications	CSIR-IICT, Hyderabad	Department of Polymer and Functional Materials	Dr. Seelam Prashanth kumar	Ms. Muhammed Sayeed T
7	C4PSCH1407	FATHIMATH SAHALA K.	Optimization of Ni-Fe-Mn Electrocatalysts for Oxygen Evolution Reaction in Alkaline Medium	NIT Calicut	Department of Chemical Engineering	Dr .Ranjith P. M.	Ms. Shahabanu P
8	C4PSCH1408	FATHIMATHU NUZUHA K. K.	Sustainable Nanocellulose Aerogels with Enhanced Flame Retardancy and Hydrophobicity for Thermal Insulation Applications	CUSAT	Department of Polymer Science and Rubber Technology	Dr. Jinu Jacob George	Dr. Fazal E
9	C4PSCH1409	FATHIMATHU RINSHA P. K.	Application of Nanocellulose in Wound Healing	CUSAT	Applied Chemistry	Sabura Begum	Dr. Neethu Ravedndhran

10	C4PSCH1410	FATHIMATHU SAFA.T. K	Development of Multifunctional Cellulose Nano paper with Hydrophobic and Antibacterial Properties for Sustainable Food Packaging	CUSAT	Department of Polymer Science and Rubber Technology	Dr.Jinu Jacob George	Dr. Sarayu Jayadevan
11	C4PSCH1411	FIDHA MUHAMMED.P.V.	Modification of Lignin through Gallic acid Extracted from Bio-Resources	CUSAT	Polymer Science and Rubber Technology	Dr. Sari P.S.	Dr. Neethu Ravedndhran
12	C4PSCH1412	GAYATHRI BHASKARAN K.	Catalytic Esterification of Biomass Derived Isosorbide: Green Pathways to High-Performance Sustainable Plasticizers	Indian Institute of Science, Bengaluru	Centre for Sustainable Technologies	Dr.Navneet Kumar Gupta	Dr. Ashwani Kumar N.
13	C4PSCH1413	GOPIKA PRAMOD	Synthesis of Liquid Organic Hydrogen Carriers	CSIR IICT Hyderabad	Catalysis and Fine Chemicals	G.H. Gunasekar	Dr. Rajeena Pathoor
14	C4PSCH1414	HISANA V. K.	Castor Oil-based UV Curable Polyurethane Methacrylates for Fire Retardant Applications	CSIR IICT Hyderabad	Polymers and Functional Materials(P&FM)	Dr. Pratyay Basak	Dr. Neetu Raveendran
15	C4PSCH1415	NAJIYA NILUFHER C.	Synthesis and Anti-Cancer Studies of Benzo-azepinone Derivatives.	CSIR IICT Hyderabad	Organic Synthesis and Process Chemistry	Dr. Remya Ramesh (Senior Scientist)	Dr. Fasila P.M.
16	C4PSCH1416	NAYIMA V. K.	Development of a Reusable Heterogeneous Catalyst	CSIR IICT Hyderabad	Catalysis and Fine Chemicals	Dr. Sudipta D.I.	Dr. Fazal E.

			for the Synthesis of Valuable Chemicals				
17	C4PSCH1417	RIFA V. P.	Extraction of Essential Oil	NIT Calicut	Department of Chemical Engineering	Dr. Susmita Das	Dr. Fasila P. M.
18	C4PSCH1418	SANA SAMEER	Electrospun PVA/Lignin/CMC Composite Nanofibrous Scaffolds for Biomedical Applications	NIT Calicut	Material Science and Engineering	Dr. Hanas T.	Mr.Muhammed Sayeed T.
19	C4PSCH1419	SHIBILA P. M.	Synthesis of Prochiral 1,3-Enyne-Tethered Cyclopenta-1,3-Diones	CSIR-IICT Hyderabad	Organic Synthesis and Process Chemistry	Dr.Rambabu Chegondi	Ms.Shahabanu P
20	C4PSCH1420	SREEJISHA V. S.	Suzuki Coupling - Synthesis and Application of Locked Keto Biaryl compound	CUSAT	Department of Applied Chemistry	Dr. Shandev P.	Dr. Fasila P. M.