

Department of Chemistry
CY-415 Final Year Design Project
Project List



F/SOP/FYDP 02/03/00

Batch 2022

Semester 4th

| S. No . | Project Title | Supervisor/Co-Supervisor |
|---------|--|--------------------------|
| 1 | Preparation and biological screening of Dihydropyrimidine-based heterocycles | Dr. Nuzhat Arshad |
| 2 | Derivatization of sugar-based molecules | Dr. Nuzhat Arshad |
| 3 | Development and Application of hydrophobic nanoparticles for grease/oil removal | Dr. Amtul Qayoom |
| 4 | Development of polymer-lignocellulose based hydrophobic adsorbent for grease/oil removal | Dr. Amtul Qayoom |
| 5 | Charge transfer complexes of pharmaceutically active compound | Dr.Saeeda Nadir Ali |
| 6 | Spray dried product of herbal plant extract | Dr.Saeeda Nadir Ali |
| 7 | Phytochemical studies of manilkara zapota | Dr. Anjum Ayub |
| 8 | Chemical derivatization of an aromatic drug | Dr. Anjum Ayub |
| 9 | Nanocomposite blend membranes as a viable model for water purification. | Dr. Shazia Perveen |
| 10 | Development of 2D carbon based biosensor via electrochemical fabrication of nanomaterial. | Dr.Shazia Perveen |
| 11 | An efficient synthesis of graphene based nanocomposites as high performance electrode material for battery applications. | Dr.Shazia Perveen |
| 12 | Cutting-Edge Synthesis of Silica Dioxide Quantum Dots and Their Diverse Applications. | Dr. Rafia Usman Khan |
| 13 | Next-Gen Synthesis of Zinc Oxide Quantum Dots and Their Versatile Applications. | Dr. Rafia Usman Khan |
| 14 | Synthesis of hybrid complexes of transition metal elements | Dr.Hira Sultan |
| 15 | Sol-Gel derived composites for Efficient Dye Degradation from Textile Effluent | Dr.Hira Sultan |
| 16 | Design and Application of Dual Function Metal oxide nanoparticles. | Ms.Atiya Shamim |
| 17 | Design and application of waste Derived Carbon Nano Lights. | Ms.Atiya Shamim |

Chairperson Signature