

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



F/SOP/FYDP 02/03/00

Batch 2022

Semester 4<sup>th</sup>

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	Screening of seaweeds for Antibacterial activities and minimum inhibitory concentrations	Dr. Khashif Ahmed
8	Nanocomposite blend membranes as a viable model for water purification.	Dr. Shazia Perveen
9	Development of 2D carbon based biosensor via electrochemical fabrication of nanomaterial.	Dr. Shazia Perveen
10	An efficient synthesis of graphene based nanocomposites as high performance electrode material for battery applications.	Dr. Shazia Perveen
11	Phytochemical studies of manilkara zapota	Dr. Anjum Ayub
12	Chemical derivatization of an aromatic drug	Dr. Anjum Ayub
13	Cutting-Edge Synthesis of Silica Dioxide Quantum Dots and Their Diverse Applications.	Dr. Rafia Usman Khan
14	Next-Gen Synthesis of Zinc Oxide Quantum Dots and Their Versatile Applications.	Dr. Rafia Usman Khan
15	Synthesis of hybrid complexes of transition metal elements	Dr. Hira Sultan
16	Sol-Gel derived composites for Efficient Dye Degradation from Textile Effluent	Dr. Hira Sultan
17	Design and Application of Dual Function Metal oxide nanoparticles.	Ms. Atiya Shannim
18	Design and application of waste Derived Carbon Nano Lights.	Ms. Atiya Shannim

FYDP Coordinator Signature

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