

Batch-2024-26_Sem-4

M.Sc. Chemistry

Project

Sub-Code CHE716

Choose any one of the following 30 Project Topic

A. Organic Chemistry Projects

1. Synthesis of Organic Compounds and Their Characterization
2. Preparation of Bioactive Organic Molecules
3. Green Synthesis of Organic Compounds
4. Synthesis of Heterocyclic Compounds
5. Study of Natural Product Extraction from Plants
6. Synthesis and Study of Pharmaceutical Compounds

B. Inorganic Chemistry Projects

7. Synthesis and Characterization of Metal Complexes
8. Study of Coordination Compounds and Their Properties
9. Preparation of Transition Metal Complexes
10. Synthesis of Nano Metal Oxides
11. Study of Catalytic Activity of Metal Complexes
12. Preparation of Mixed Ligand Complexes

C. Physical Chemistry Projects

13. Study of Reaction Kinetics of Chemical Reactions
14. Adsorption Studies using Activated Carbon
15. Thermodynamic Study of Chemical Reactions
16. Conductometric Titration Studies
17. Electrochemical Study of Corrosion
18. Surface Chemistry and Adsorption Study

D. Environmental Chemistry Projects

19. Water Quality Analysis of Local Water Sources
20. Soil Quality Analysis of Agricultural Land
21. Air Pollution Monitoring Study
22. Removal of Heavy Metals from Wastewater
23. Study of Industrial Effluent Treatment
24. Analysis of Drinking Water Quality

E. Analytical Chemistry Projects

25. Estimation of Heavy Metals in Water Samples
26. Analysis of Food Additives in Packaged Foods
27. Determination of Pesticide Residues in Vegetables
28. Spectrophotometric Analysis of Chemical Compounds
29. Chromatographic Separation of Organic Compounds
30. Analysis of Pharmaceutical Drugs