



# Miranda House

## UNIVERSITY OF DELHI

### Departmental Annual Report - 3

#### Departmental Activities: Curriculum and Beyond

Department: Chemistry

Academic Year: 2022-23

#### Part A.2

Students undertaking project work/field work/internship (beyond the requirements of coursework)

##### A.2.1

Following students of B.Sc. (Hons) Chemistry participated in the 6-weeks long DSKC Summer Workshop 2022, held from 09 June to 14 July 2022 and successfully completed their projects.

| S.No | Student          | Semester | Project Title   |
|------|------------------|----------|---|
| 1.   | Vini Sharma      | VI       | Preparation of MgZrO <sub>3</sub> nanoparticles using Pechini method and its application in degradation of methylene blue dye |
| 2.   | Kritika Gaur     | IV       | Preparation of MgZrO <sub>3</sub> nanoparticles using Pechini method and its application in degradation of methylene blue dye |
| 3.   | Divya            | IV       | Preparation of MgZrO <sub>3</sub> nanoparticles using Pechini method and its application in degradation of methylene blue dye |
| 4.   | Aliza Hameed     | II       | Fabrication of magnetically retrievable graphene oxide/ferrite nanocomposite for removal of organic dye.                      |
| 5.   | Anandita Sharma  | II       | Fabrication of magnetically retrievable graphene oxide/ferrite nanocomposite for removal of organic dye.                      |
| 6.   | Prachi           | II       | Fabrication of magnetically retrievable graphene oxide/ferrite nanocomposite for removal of organic dye.                      |
| 7.   | Stuti Chaturvedi | II       | Fabrication of magnetically retrievable graphene  |



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|     |                      |    | oxide/ferrite nanocomposite for removal of organic dye.  |
| 8.  | Bipasha              | II | Biodiesel: A Green Perspective   |
| 9.  | Bhama M              | II | Biodiesel: A Green Perspective   |
| 10. | Tanu Yadav           | II | Biodiesel: A Green Perspective   |
| 11. | Twinkle Rani         | II | To study the concentration of Particulate Matter (PM <sub>2.5</sub> µm) over Delhi                       |
| 12. | Tejika               | II | To study the concentration of Particulate Matter (PM <sub>2.5</sub> µm) over Delhi                       |
| 13. | Varsha Rani          | II | To study the concentration of Particulate Matter (PM <sub>2.5</sub> µm) over Delhi                       |
| 14. | Sonam Rao            | II | To study the concentration of Particulate Matter (PM <sub>2.5</sub> µm) over Delhi                       |
| 15. | Shubhangi Maheshwari | II | Selective Serotonin Reuptake Inhibitor (SSRI)-antidepressants in treatment of major depressive disorders |
| 16. | Sai Dolly Hindoliya  | II | Selective Serotonin Reuptake Inhibitor (SSRI)-antidepressants in treatment of major depressive disorders |
| 17. | Sneha Tigali         | II | Selective Serotonin Reuptake Inhibitor (SSRI)-antidepressants in treatment of major depressive disorders |
| 18. | Sneha Sharma         | II | Selective Serotonin Reuptake Inhibitor (SSRI)-antidepressants in treatment of major depressive           |



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|     |                 |    | disorders  |
| 19. | Dharna Yadav    | VI | Recent advances in the study Argentine haemorrhagic fever caused by the Junin Virus. |
| 20. | Divya Singh     | VI | Recent advances in the study Argentine haemorrhagic fever caused by the Junin Virus. |
| 21. | Kriti Shakya    | VI | Recent advances in the study Argentine haemorrhagic fever caused by the Junin Virus. |
| 22. | R Bhuvaneshwari | VI | Nanocapsules an important tool for controlled release of pesticides                  |
| 23. | Shweta          | VI | Nanocapsules an important tool for controlled release of pesticides                  |
| 24. | Zainab Fatima   | VI | Nanocapsules an important tool for controlled release of pesticides                  |
| 25. | Shimona Singh   | II | Solid Waste Management: A Brief Review   |
| 26. | Vanshika        | II | Solid Waste Management: A Brief Review   |
| 27. | Isha Bhagat     | IV | Solid Waste Management: A Brief Review   |