

Report of Department of Environment Science (2021-22)



**Mehr Chand Mahajan
DAV College for Women
Sector-36(Chandigarh)**

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- 1. Name of the Department:** Environment Science
- 2. Names of Programmes/Courses/ offered (UG, PG, Ph.D):**

| Name of the Programme / Course | Class | Subject |
|--------------------------------|---|--|
| PG | M.Sc.-II, 3 rd semester (Chemistry) | Environmental Chemistry |
| UG | BA-I | Environment, Road Safety, Violence Against Women and Children, Drug Abuse: Problem Prevention & Management |
| | BCom-I | Environment, Road Safety, Violence Against Women and Children, Drug Abuse: Problem Prevention & Management |
| | BBA-I | Environment, Road Safety, Violence Against Women and Children, Drug Abuse: Problem Prevention & Management |
| | BCA-I | Environment, Road Safety, Violence Against Women and Children, Drug Abuse: Problem Prevention & Management |
| | B.Sc.- I | Environment, Road Safety, Violence Against Women and Children, Drug Abuse: Problem Prevention & Management |

- 3. Number of teaching posts:** Assistant Professor (Contractual, 01 (Full Time))
- 4. Faculty profile with name, qualification, designation, specialization**

| S. No. | Name | Designation | Qualification | Specialization | Ph.D. students |
|--------|-------------|---|---------------|---|----------------|
| 1 | Dr. Shafila | Assistant Professor (Contractual, full time) | JRF, Ph.D. | Environment Science and Environmental Chemistry | Nil |

5. Details of Activities/ paper presentations by the faculty in the session:

Dr. Shafila:

- (i) Conducted an online Hands-on workshop on ‘paper recycling paper pencil making and seed balls making’ to mark the celebration of Annual Festival Van Mahotsav under the aegis of Internal Quality Assurance Cell (IQAC) on 17-07-2021.
- (ii) Presented paper titled ‘Disturbed Aesthetics of Human Lifestyle: A Study of Negative Impacts of WFH during Covid Crisis’ during 6th Online International Conference, Advancing Management: Innovation, Engagement & Impact in post Covid era on 06-08-2021 organized by KEIT School of Management, Ghaziabad.
- (iii) Participated in a Webinar on ‘Single Use Plastic’ organized by SCIROX, GNDU in collaboration with Punjab State Council for Science and Technology on 09-10-2021.
- (iv) Attended an expert lecture on Governance Reforms, Leadership and Institutional Management in the context of NEP-2020 organized by Internal Quality Assurance Cell (IQAC) of Mehr Chand Mahajan DAV College for Women, Sector -36 A, Chandigarh on 09-10-2021.
- (v) Conducted an awareness session on Waste Segregation during Seven Day/Night NSS Special Camp -2022 organized by NSS Units of Mehr Chand Mahajan DAV College for Women on 25-03-2022.
- (vi) Successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on 25-05-2022.

6. Awards/ Recognitions received by faculty: N.A.

7. List of activities conducted by the department:

| S. No. | Title of the activity | Practice | Academicians and Scientists/ visitors to the department or resource person | No. of Students | Date |
|--------|---|---|--|-----------------|------------|
| 1. | An online awareness campaign on judicious use of Air Conditioners by creating a video | Keeping in view, the environmental impacts of inappropriate use of Air Conditioners, department of Environment Science of the college under the aegis of MCM Eco-club has created a video as an awareness campaign on judicious use of Air Conditioners. It is a small initiative taken by the college to acquaint everyone with a few steps to use their | Dr. Shafila | 24 | 30.06.2021 |

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| | | Air Conditioners cautiously. The video was shared on multiple official WhatsApp groups, college's official Facebook and Instagram pages in order to spread the message to the maximum. | | | |
| 2. | An Online Hands-on workshop on 'paper recycling paper pencil making and seed balls making' to mark the celebration of Annual Festival Van Mahotsav | Department of Environment Science under the aegis of Internal Quality Assurance Cell (IQAC) organized an online workshop on paper recycling, paper pencil making and seed balls making. Dr. Shafila demonstrated step wise procedure of handmade paper making from waste papers, that could be used for various purposes like as a canvas for painting, making bookmarks, decorative envelope etc. She also explained the steps for making paper pencils using the material normally available at home. Additionally, the concept of seeds ball making was introduced among the participants. | Dr. Shafila | 23 | 17.07. 2021 |
| 3. | A Documentary titled "The Dark secret Behind Your Shiny Makeup" showcasing | A documentary titled "The Dark secret Behind Your Shiny Makeup" was showcased to the young girls of M.Sc.- II (Chemistry) in order to aware them about the environmental impacts as well as the health hazards of mining process. They were also educated that the | - | 36 | 26.08.2021 |

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| | | use of shiny material, Mica, in cosmetics may pose serious health issues if one is exposed to this more often. | | | |
| 4. | National Level Wallpaper designing and Inventing a Slogan competitions to celebrate 'International Day for the Preservation of the Ozone Layer' | A National Level Wallpaper designing and Inventing a Slogan competitions to celebrate 'International Day for the Preservation of the Ozone Layer' sponsored by Chandigarh Pollution Control Committee (CPCC) was organized. 4 cash prizes (Rs. 2000/- First, Rs. 1500/- Second, Rs. 1000/- Third and Rs. 500/- Consolation) in each category were awarded to the winners. | - | 97 | 16-09-2021 |
| 5. | National Level Logo designing competition to celebrate 'World Car Free Day' | A National Level Logo designing competition to celebrate 'World Car Free Day' sponsored by Chandigarh Pollution Control Committee (CPCC) was organized. For the best four entries, the college awarded cash prizes to the winners (Rs. 2000/- First, Rs. 1500/- Second, Rs. 1000/- Third and Rs. 500/- Consolation). | - | 70 | 22-09-2021 |
| 6. | Discussion Session on Single Use Plastic Under Azadi Ka Amrit Mahotsav Celebrations | Keeping in view, the environmental impacts of Plastics, Department of Environment Science of the college organized an online discussion Session on "Single Use Plastics" as our participation in Azadi Ka Amrit Mahotsav Celebrations. The Resource person, Dr. Shafila highlighted the properties, types, usage and role of plastics in daily life. She also emphasized on the | Dr. Shafila | 68 | 05-10-2021 |

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| | | lifecycles of various kinds of plastics and their harmful impacts on various parts of the environment. | | | |
| 7. | E-Safe' to mark the celebration of International E-Waste Day | Department of Environment under the aegis of sustainable practices committee organized this event to mark the celebration of 'International E-waste Day'. The college has signed a two-year agreement with Ortech India Corporation, Baddi, Himachal Pradesh, an authorized recycler under CPCB. Students and faculty members were encouraged to get e-waste from their homes and put it in the red bin already installed in the college for e-waste collection. The committee had handed over 67 Kg of collected e-waste to the recycler for its proper disposal. Under the same event, the Director of Ortech India Corporation, Mr. Rohit Puri delivered an awareness lecture about the hazardous impacts of e-waste on the environment and how we are exposed to the toxic chemicals present in e-waste through the environment. For more awareness, students were shown an encouraging animated video on e-waste | Mr. Rohit Puri | 46 | 11-10-2021 |
| 8. | Online Awareness lecture on Ill Effects of Crackers | As a participation in Anti-Cracker Campaign launched by Department of Environment in collaboration with Department of Education, | Dr. Shafila | 100 | 03-11-2021 |

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| | | Chandigarh Administration, Department of Environment Science of the college organized an online awareness lecture on “ill effects of crackers” in order to promote and support “Green Diwali, Swatch Diwali” | | | |
| 9. | ‘Just A minute Idea’ competition on the theme ‘Stubble Burning’ to mark the celebration of National Pollution Control Day. | Institution’s Innovation Council 4.0 in collaboration with Department of Environment Science organized Just A minute Idea competition on the theme ‘Stubble Burning’ to mark the celebration of National Pollution Control Day. Participants shared ideas like precuring of stubble from farmer for a price that can be used as cattle fodder, excess workers may be diverted to the agricultural fields to weed out the crop residues, this would solve dual purposes; one of stubble burning and other of providing employments. Turbo Happy Seeder is new kind of machine for in-situ management of stubble which uproots the stubble and sow the seeds in area cleared. PUSA bio-decomposer is another method which convert crop residue into manure by accelerating the decomposition process. Instead of burning the crop residue it may be used for compost making, roofing rural areas, as a fuel for energy, packaging of fragile material like glass and | - | 23 | 08.12.2021 |

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| | | crockery, making biodegradable cutlery, paper and cardboard. | | | |
| 10 | Two-day Field Visit cum Workshop on Sophisticated Analytical Instrumentation, | MCM Vigyan Manch, Department of Environment Science and Post Graduate Department of Chemistry in collaboration with SAIF/CIL, Panjab University organized Department of Science and Technology and Renewable Energy, Chandigarh sponsored two-day Field Visit cum Workshop on Sophisticated Analytical Instrumentation, under the aegis of Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI) at Sophisticated Analytical Instrumentation facilities/ Central Instrumentation Laboratory (SAIF/CIL), Panjab university, Chandigarh. | 1. Dr. Shailendra Singh Khichi (SAIF/CIL) 2. Dr. Rohit Sharma (Department of Chemistry) 3. Dr. Navneet Kaur (SAIF/CIL) | 33 | 24 th -25 th February 2022 |
| 11 | Inter-College Competitions to celebrate 'World Atmosphere Day' | Chandigarh Pollution Control Committee (CPCC) sponsored "Inter-College competitions" on the occasion of 'World Atmosphere Day', were organized. A total grant of Rs. 48020/- was received. The activities included Online Poster Making competition under the theme Perils of Air Pollution, Best Out of Waste under the theme Sustainability, Eco-rangoli under the theme Clean Air, Green Air and Eco-walk under the themes | - | 115 | 09-04-2022 |

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| | | Environment Conservation, Environment suitability and Clean and Green Air were conducted. 5 best entries in each event were awarded with cash prizes of total worth Rs. 17,200/- | | | |
| | Online Workshop on Floral Waste Recycling Innovatively | Department of Environment Science under the aegis of Institution's Innovation Council (IIC) 4.0 organized an online Workshop on "Floral Waste Recycling Innovatively." The resource person Ms. Poonam Sehrawat, demonstrated step wise procedures of making agarbattis, dhoop, swastik, Ganesh ji from floral waste generated from various places. She also shared the list of ingredients of premixes which are to be added in the flower waste to acquire the required product. | Ms. Poonam Sehrawat | 74 | 22-04-2022 |