

Aarti Narwat

Contact

Phone No.

+918851764908
+919999411425

Email

narwatarti4@gmail.com

Address

Sector -8, Faridabad,
Haryana

Skills

- MS- OFFICE
- Analytical skills
- Laboratory Skills
- Documentation
- Editing
- Teamwork
- Research
- Data Analysis

Strength

- Target oriented
- Adapt with technology
- Problem solving
- Leadership Qualities
- Time Management Skills
- Detail Oriented
- Creative Thinking

Personal Details

D.O.B: 28.11.1997

Nationality: Indian

Language Known:
English, Hindi

Objective

To utilize my skills and expertise for meeting the organization objectives while also increasing my knowledge and gaining professional exposure.

Education

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|---|--------------------------------|
| Master of Science, Chemistry (Honors) <i>Manav Rachna University (MRU), Faridabad</i> | 2019 - 2021 8.9 CGPA |
| Bachelor of Science, Chemistry (Honors) <i>Pt. J.L.N. Government College (MDU), Faridabad</i> | 2016-2019 74.5% |
| Grade 12 <i>Vidya Mandir Public School (CBSE), Faridabad</i> | 2015-2016 85.4% |
| Grade 10 <i>Vidya Mandir Public School (CBSE), Faridabad</i> | 2013-2014 7.2 CGPA |

Work Experience

- Indian Oil Corporation Limited, R & D Centre**
(Aarvi Encon Private Limited)
Project Associate
August 2021- March 2023
- Indian Oil Corporation Limited, R & D Centre**
(Trend Setters Private Limited)
Project Associate
Since April 2023

Project Work

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|---|---|--|
| Working & Operating experience on analytical & Air Quality Monitoring analyzers | Indian Oil Corporation Limited, R & D Centre <i>Faridabad</i> | 2-year <i>2021- 2023</i> |
| Synthesis of Breathable and Flame Retardant based Polyurethane | DRDO (CFEES), <i>Delhi</i> | 6-month Internship Jan. - June <i>2021</i> |
| Water Quality Assessment of Some Major Cities of Haryana | Manav Rachna University, <i>Faridabad</i> | M.Sc. Chemistry (Honors) <i>2019 - 2021</i> |

Analytical Experience

- Detection of ions (Cation & Anions) with the help of **HPIC (HIGH PRESSURE ION CHROMATOGRAPHY, Thermo Scientific Dionex ICS-6000)**.
- Detection of Chromium ions with the help of **HPIC (Thermo Scientific Dionex ICS-6000)**.
- Determination of organic compounds with the help of **Ultimate- 3000 HPLC (HIGH PRESSURE LIQUID CHROMATOGRAPHY)**.
- Determination of fuel samples with the help of **CIC (COMBUSTION ION CHROMATOGRAPHY)**.
- Detection of Aromatic Hydrocarbon contents (mono-aromatic, di-aromatic, tri-aromatic and polycyclic aromatics hydrocarbon contents) in petroleum & conjugated dienes and olefins in gasoline and hydrogenated products with the help of **Shimadzu HPLC**.
- Detection of molecular weight of polymer samples with the help of **Viscotek GPC**.
- Detection of Saturates, Aromatic, Resin and Aspartanes with help of **Iatroscan MK-6 TLC-FID**.
- Operated some sophisticated analyzers like **Rotatory vapour, UV Photometry, Waters HPLC, etc.**

Environmental Air Quality Experience

- Studies on **Impact of BS VI and Ethanol Blending on Human Health**.
- Estimation of **VOCs (Volatile Organic Compounds) at petrol pumps in Delhi NCR**.
- Data recording, data analysis, handing and report preparation of all air quality analyzers (*mentioned below*):
 - Detection of air pollutants with help of **Envea S.A. Continuous Ambient Air Quality Monitoring Analyzers {PM 2.5, PM 10, CO, SO₂, O₃, THC, VOC, NO_x, NH₃}**.
 - Detection of gases & aerosols with the help of **Metrohm MARGA 2060 IC**.
 - Detection of air pollutants & heavy metals at different locations with the help of **HORIBA Real-Time Ambient Air Quality Monitoring Analyzers {PX -375 (PM 2.5), PM 10, CO, SO₂, O₃, THC, VOC, NO_x, NH₃}**.
 - Gravimetric analysis of Particulate Matter (PM) with the help of **Envea S.A. PM 101 Sequential Sampler**.
 - Gravimetric analysis of Particulate Matter (PM) with the help of **TSI QCM MOUDI**.
 - Detection of Nano-particles with the help of **TSI SMPS & APS**.

Conferences & Published Paper

- Accepted manuscript “**Measurement & Control Methodologies of Road Side Ambient Air Emissions & Identification of New Species of Air Pollutants in Delhi / NCR**” in international Conference “**Symposium on International Automotive Technology, 2024**”.
- Accepted Abstract “Water Quality Assessment of Faridabad district in Haryana - A Review” in international Conference “**Environment and Social Development Association (ESDA-2021) - '2nd World Environment Submit 2021'**”.
- Accepted Abstract “Water Quality Assessment of Some Major Cities of Haryana: A Review” in “**National Conference on Advances in Civil Engineering and Environmental Science (ACEES-2021)**” organized by J.C. Bose University of Science & Technology YMCA, Faridabad.
- Accepted Abstract “An Assessment of water quality of the major cities of Haryana: A Review” in “**1st Online National Conference on Recent Trends in Science & Technology (RTST-2020)**” organized by Manav Rachna International Institute of Research & Studies, Faridabad.
- Attended “**Surface Engineering of Polymer Membrane**” Conference conducted by Centre of Chemistry & Chemical Excellence (CCCE), 2020.
- Attended “**Green & Sustainable Chemistry Conference (GSCC 2019)**” sponsored by Science and Engineering Research Board, DRDO, Indian Oil Corporation Limited & Royal Society of Chemistry, London, North India Section.

Other Achievements

- 2 Year Certificate on “FIRST AID TRAINING” 2023.
- Training certificate of “Ion Chromatography Thermo Scientific” Analyzer 2021.
- Got scholarship in M.Sc. Chemistry in Manav Rachna University 2019.
- Completed certified course in “Honing the Millennial-Next Gen” workshop organized by Haryana Vishwakarma Skill University in 2018.
- Certified in Computer Awareness in Computer Education in 2017.

DECLARATION:

“I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.”

Date – 06.09.2023

Place – Faridabad

Aarti Narwat