

FACULTY ACHIEVEMENTS

1) Prof. Aprajita Chauhan, Professor, Department of Chemistry

- Lecture of the month "Earth Day-2022". In CEC Published in CEC News, Vol.22. No.7 July 2022 Consortium for Educational Communication, CEC-UGC edusat, Govt. of India.
- Delivered 14 lectures on Molecules of Life and Environment on the UGC cec-edusat TV and cec -gurukul live lectures channel with Vyas TV.
- Published the following Research Paper:
Chauhan. A. 2023. Total Leaf Protein Content: A Measure to Study the Phytotoxic Effects of Sulfur Dioxide on Crop Plants. *IJRASET* 11(III): 911-915. (ISSN: 2321-9653) UGC Approved Journal. DOI: <https://doi.org/10.22214/ijraset.2023.49559>.

2) Prof. Namita Rajput, Department of Commerce

- E-commerce business modeling in smart cities Chellam, VV , Praveenkumar , S. , Kumar, B. , ... Rajak , PK , Dalal, T.
- IoT-Based Label Learning Distribution Mechanism for Autism Spectrum Disorder for Healthcare Application Shrivastava, A. , Rajput, N. , Rajesh, P. , Swarnalatha , SR *Practical Artificial Intelligence for Internet of Medical Things: Emerging Trends, Issues, and Challenges* , 2023, pp. 305–321
- Prof. Namita has 9 scoops publications.
- She has 4 Ph. D. awarded under her supervision.
- Besides this, 9 books have been edited by her. She has authored one book for CUET entrance business studies.
- In her academic kitty stands 20 invited lectures on NEP and gender sensitization.
- One Australian patent has been granted to her.

- She has received a copyright from Gender wheel by Government of India, copyright office.

3) **Prof. Subhanjali Chopra, Professor, Department of Commerce**

- Subhanjali Chopra and Vandana Munjal, Business organization and management, 4th Revised edition UGCF (NEP), 2022-23, JSR Publishing House
- Subhanjali Chopra and Vandana Munjal, Business Organisation, UGCF(NEP), 1st edition, 2022-23, JSR Publishing House

4) **Dr. Neetu Dwivedi, Assistant Professor, Department of Environmental Science**

- Neetu Dwivedi (2022) Quantum Dots in Energy and Biosensing Applications: A Brief Review Journal of Environment and Bio-Sciences. Vol 36. Pg 77-84, ISSN-0973-6913. (UGC care list)
- Neetu Dwivedi (2022) Sustainable municipal solid waste management in India: Feasibility and challenges. Journal of Environment and Biosciences. Vol 36 (2) pg. 145-151, ISSN-0973-6913. (UGC listed)

Paper Presentation in International/ National Seminar/ Conference:

- Oral Paper presentation on the topic "*Contribution of renewable energy resources in sustainable agriculture: A review*" in the International seminar on Technology for Environmental sustainability, socio economic responsibility. organized by Sri Aurobindo college, University of Delhi held on 16th -17th March, 2023.

Awards & Appreciation:

- Best oral paper presentation award received in the National conference on Natural Resources conservation & Environmental challenges to Human Health & society organized by

Departmental of Environmental Science, Bareilly College, Bareilly.

5) Ms. Kalpita Sonowal, Assistant Professor, Department of Environmental Science

Paper Presentation/Participation in International/ National Seminars/ Conferences:

- Presented a paper on '*Circularity in Indian Food Sector: Its Alliance with Sustainable Development Goals and Paris Agreement- A review*' in the International Paris Conference on Social Sciences-VII, July 6-7, 2022 held in Paris, France.
- Presented a paper entitled '*Sustainable Eco-Restoration through Mushroom Cultivation*' in the national conference on Natural Resources Conservation and Environmental Challenges to Human Health and Society held on 4th June 2022, organized by Department of Environmental Science, Bareilly College, UP

Publication:

- Kalpita Sonowal (2022) Sustainable municipal solid waste management in India: Feasibility and challenges. Journal of Environment and Biosciences. Vol 36 (2) pg. 145-151, ISSN-0973-6913. (UGC listed)

6) Ms. Sukriti Sobti, Assistant Professor, Department of English

- Published a paper titled 'Souls in Torment': Ionesco and Berenger of Rhinoceros in The Expression: An International Multidisciplinary Journal with Impact Factor 6.4. Vol. 9 Issue I, February 2023
- Presented a paper on 'Science and Scientific Temper: National Educational Policy 2020' in ICSSR sponsored by Seminar on 'Technology for Environmental Sustainability, Socio-Economic Responsibility and Associated Entrepreneurial Opportunities in

Society and Rural Environment' on 17th March 2023 at Sri Aurobindo College.

7) Dr. Anita Kumari, Assistant Professor, Department of Electronics

- Authored a BOOK CHAPTER entitled "Synthesis and Application of carbon-based nanocomposite" by Rashi Nathawat, Satyapal S. Rathore, Poonam R. Kharangarh, Reena Devi and Anita Kumari of "Carbon Nanomaterials and their Nanocomposite-based Chemiresistive Gas Sensors" edited by Shivani Dhall, Materials Science, Elsevier 2023, ISBN: 9780128228371

8) Dr. Manish Agrawal, Assistant Professor, Department of Physics

- Co-authored and submitted a manuscript titled "A Study of Non-Canonical Lagrangian with ϕ^6 Potential" to PRAMANA- Journal of Physics.

9) Dr. Poonam Jain, Assistant Professor, Department of Physics

- "First Prize in Oral Presentation 2023" on paper entitled "Study of a level scheme in Actinide Region" held on 28th and 29th January, 2023 jointly organized by Department of Physics, Aryabhat Institute of Academics and Research and Amiruddaula Islamia Degree College, Lucknow.
- "First Prize in Regional Competition on Innovative Experiments in Physics RCIEP 2022" held on 24th and 25th September, 2022 organized by Indian Association of Physics Teachers RC-01.
- Invited Speaker in 2nd International Conference on "Multidisciplinary Academic Research and Innovation" on 28th and 29th January, 2023 jointly organized by Department of Physics, Aryabhat Institute of Academics and Research and Amiruddaula Islamia Degree College, Lucknow.

- Appointed as an Executive Council Member of Indian Association of Physics Teachers (IAPT RC-1) 2022-2023, Delhi and Haryana Region.
- Organized National Science Day Celebrations on 28th February, 2023 in association with Indian Association of Physics Teachers RC-1 and Department of Physics and Astrophysics, University of Delhi.

10) Prof. Pramod Kumar, Professor, Department of Chemistry

- Singh B., Pandey P., Wabaidur SM., Avtar R, Kumar P., and Rahman S. 2023. Sustainable changes in gaseous pollutants and health effects during COVID - 19 in Delhi, India. PeerJ 11: e14489
- Kumar, P. 2022. Impact of Coal Mining Activities on Environment in the Jharia Coalfield Region, India: A Review. Indian Journal Environmental Protection (IJEP), ISSN: 0253-7141, 42(6), pp 752-757.
- Singh, VB and Kumar, P. 2022. Hydrogeochemical characteristics of meltwater draining from Himalayan glaciers: a critical review. Arabian Journal of Geosciences, 15:680.
- Chapters in Book- 3D printed organ for healthcare applications. Biomedical Product and Materials Evaluation: Standards and Ethics; 2022. Elsevier Publishers; page 151-177, Editor: Mohanan PV C
- Climate Change and Plant Diversity: Threats and Opportunities. Climate Change and the Microbiome Substance of the Ecosphere, Springer Series, Soil Biology, Part II, Vol.63, Chapter 20, Pages 369-396, Editor: Choudhary DK; Mishra A.; Verma A.