



**DESHBANDHU COLLEGE
UNIVERSITY OF DELHI
KALKAJI, NEW DELHI-110019**

Title	Dr.	First Name	Pramod	Last Name	Kumar	Photograph
Designation		Assistant Professor				
Address		Department of Environmental Sciences, Deshbandhu College, DU, New Delhi-110019				
Phone No office						
Residence						
Mobile						
Email		pkumar4@db.du.ac.in				
Web-Page						
Educational Qualifications						
Degree		Institution				Year
Ph.D. Environmental Science		Guru Gobind Singh Indraprastha University, Delhi				2018
M.Sc. (Env. Management)		Guru Gobind Singh Indraprastha University, Delhi				2007
UG B.Sc. Life Science		Ramjas College, University of Delhi				2004
Any Other Qualification						
PG Diploma in Env. Law		National Law School of India University, Bangalore				2010
PG Diploma in Industrial Safety		National Institute of Labour Education and Management (NILEM), Adyar, Chennai				2011
Career Profile						
Teaching Experience						
- July 2023 - till date: Assistant Professor, EVS, Deshbandhu College, University of Delhi - July 2015 - July 2023: Assistant Professor (Ad-hoc), Environmental Studies, Deen Dayal Upadhyaya College, University of Delhi - Sep 2014 - April 2015: Assistant Professor (Environment), Hindu College, University of Delhi						
Work Experience (Other than Teaching)						
- Feb 2009 - March 2010: Dy. Manager (Environment), Spectro Analytical Labs Ltd. Okhla, New Delhi-110020. - Dec 2007 - Dec 2008: Assistant Manager (Environment), Ramky Enviro Engineers Ltd, New Delhi-110055. - June 2007 - Dec 2007: Environmental Specialist, Spatial Decisions, Kailash Colony, New Delhi-110048. - June 2004 - July 2005: Business Executive, Ram Chand Tarlok Nath, Naya Bans, Delhi-06.						

Administrative Assignments

Year 2025 - 2026

- Committee Member - Core Cultural Committee Member Deshbandhu College, DU.
- Committee Member - Union Advisory Committee, Deshbandhu College, DU.
- Teacher Coordinator - National Service Scheme, Deshbandhu College, DU.

Year 2024 - 2025

- Proctorial Committee Member Deshbandhu College, DU.
- Teacher Coordinator - National Service Scheme, Deshbandhu College, DU.

Year 2023 - 2024

- Extended Proctorial Committee Member Deshbandhu College, DU.
- Committee Member - Prize and Certificate Distribution Committee, Sabrang 2024, Deshbandhu College, DU.

Year 2022 - 2023

- Committee Member - College Festival Committee and Sports Committee, Deen Dayal Upadhyaya College, DU.
- Committee Member - Deeksharambh-Student Induction Programme, Deen Dayal Upadhyaya College, DU.
- Committee Member - All India Survey on Higher Education (AISHE: 2021-2022), Deen Dayal Upadhyaya College, DU.
- Sub-Committee Member - Preparation of Self Study Report for NAAC (Second Cycle) Criteria 6: Governance, Leadership and Management, Deen Dayal Upadhyaya College, DU.
- Nodal Officer for a period of two years - Submission of the data in the NAAC report, NIRF, RUSA, AISHE, India Today (Nielsen Survey), Annual Report, IQAC etc., Deen Dayal Upadhyaya College, DU.
- Committee Member - Science: India Today Group-MDRA Best Colleges Ranking 2022 (Academic), Deen Dayal Upadhyaya College, DU.
- Committee Member - Annual Prize Distribution Function, Deen Dayal Upadhyaya College, DU.
- Committee Member - Stock Verification Committee, Deen Dayal Upadhyaya College, DU.

Year 2021 - 2022

- Committee Member - India Today Group-MDRA Best Colleges Ranking 2022 (Academic), Deen Dayal Upadhyaya College, DU.
- Committee Member - Annual Day Function, Deen Dayal Upadhyaya College, DU.
- Committee Member - Annual Report Compilation Committee for the Academic Session 2021-22, Deen Dayal Upadhyaya College, DU.
- Committee Member - Central Stock Verification Committee, Deen Dayal Upadhyaya College, DU.
- Committee Member - College Scholarship Committee (2021-22), Deen Dayal Upadhyaya College, DU.
- Member - All India Survey on Higher Education (AISHE: 2020-2021), Deen Dayal Upadhyaya College, DU.
- Sub-Committee Member - Preparation of Self Study Report for NAAC (Second Cycle) Criteria 6: Governance, Leadership and Management, Deen Dayal Upadhyaya College, DU.

- Sub-Committee Member - Preparation of AQAR (2019-2020), Deen Dayal Upadhyaya College, DU.

Year 2020 - 2021

- Member - IIQA for NAAC SSR Second Cycle Committee, Deen Dayal Upadhyaya College, DU.
- Sub-Committee Member - Preparation of AQAR 2019-2020 for NAAC, Deen Dayal Upadhyaya College, DU.
- Member - India Today Group-MDRA Best Colleges Ranking 2021 conducted by country's most prestigious and largest-circulated weekly news magazine India Today in association with MDRA, Deen Dayal Upadhyaya College, DU.

Year 2019 - 2020

- Member - IIQA for NAAC SSR Second Cycle Committee, Deen Dayal Upadhyaya College, DU.
- India Today Group-MDRA Best Colleges Ranking 2020 (Academic), Deen Dayal Upadhyaya College, DU.
- Member - All India Survey on Higher Education (AISHE: 2018-2019), Deen Dayal Upadhyaya College, DU.

Year 2018 - 2019

- Member - SSR compilation for NAAC (Second Cycle Committee), Deen Dayal Upadhyaya College, DU.
- Member - India Today Group-MDRA Best Colleges ranking 2019 conducted by country's most prestigious and largest-circulated weekly news magazine India Today in association with MDRA, Deen Dayal Upadhyaya College, DU.

Year 2017 - 2018

- Member - The Week - Best College Survey 2018, Deen Dayal Upadhyaya College, DU.
- Sub-Committee Member - Preparation of AQAR 2017-2018, Deen Dayal Upadhyaya College, DU.
- Member - Course-wise Committee for compilation of e-mail database students for the purpose of student satisfaction survey on CBCS syllabus and Institutional Resources, Deen Dayal Upadhyaya College, DU.

Areas of Interest/Specialization

Atmospheric Aerosols, Energy & Climate Change, Environmental Impact Assessment (EIA), Environmental Pollution Control, Solid Waste Management, Environmental Laws, GIS and Remote Sensing.

Subjects Taught

- AEC-Environmental Science: Theory into Practice - I (UPC: 2181001001)
- AEC-Environmental Science: Theory into Practice - II (UPC: 2181002001)
- GE: E-Wastes: Legislation, Trade and Management (UPC: 2184001204)
- SEC: Environmental Impact and Risk Assessment (UPC: 2186000004)
- VAC: Science and Society (UPC: 6967001015)
- AECC-I; Environmental Science (UPC: 72182801)
- Undergraduate Course (Compulsory and Qualifying); Environmental Studies (UPC: ES2014)

Publications Profile

Research Papers published in National / International Journals:

1. Kumar P, Verma M, **Kumar P**, Sahu P, Yadav SK, Kisku GC, Qualitative and Quantitative Analyses of Hazardous Compounds from NTPC Rihand, India, *EVERGREEN-Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy*. 2025; 12: 1402-1417.
2. **Kumar P**, Garg A, Sharma K, Nadeem U, Sarma K, Gupta NC, Kumar A, Pandey AK, Seasonal and Spatial Variations in Particulate Matter, Black Carbon and Metals in Delhi, India's Megacity, *Urban Sci*. 2024; 8(3): 101; <https://doi.org/10.3390/urbansci8030101>.
IF: 2.4
3. Aggarwal M, **Kumar P**, Gupta S, Mishra R. Impact Assessment of NEP and IPR on Institutes of Higher Education. *J Intellect Prop Rights*. 2024; 29 (2): 120-126. doi: 10.56042/jipr.v29i2.758
4. Aggarwal M, Gupta S, **Kumar, P**. Agricultural Sustainability - Challenges and Propositions, *Int. J. Curr. Sci*. 2022; 12(3): 152- 1559.
5. **Kumar P**, Gupta, NC. Fireworks induced particulates and heavy metals emissions during Diwali festival in Delhi, India. *J Environ Health*. 2018; 81(4): E1-E8. **IF: 0.74**
6. **Kumar P**, Mann M, Gupta NC. Regression analysis of Aerosol Optical Properties with Long-term MODIS data using Forward Selection Method. *Meteorol Atmos Phys*. 2018; doi.org/10.1007/s00703-018-0625-2. **IF: 2.511**
7. Bhati U, Das SK, **Kumar P**, Gupta NC, Rani N, Singh K. Heavy Metals Assessment in Urban Air of National Capital Region of Delhi Using Spider Webs as Bioindicator. *J Environ Sci Technol*. 2018; 11(1): 49-55. doi: 10.3923/jest.2018.49.55. **IF: 0.34**
8. Kumar P, Gupta NC. Commuter exposure to inhalable, thoracic and alveolic particles in various transportation modes in Delhi. *Sci Total Environ*. 2016; 541: 535-541. doi: 10.1016/j.scitotenv.2015.09.076. **IF: 10.753**
9. **Kumar P**, Gupta NC, Parmar KS. Comparisons of particulate matters exposure to commuters in different transportation modes in Delhi. *Sustain Environ Res*. 2014; 24 (5): 373-380. **IF: 4.03**
10. **Kumar P**, Gupta, N.C. Assessment of Particle Number Concentration in Different Transportation Modes along a route in Delhi, *Int. J. Curr. Eng. Technol*. 2013; 3(3): 1072-1077.
11. **Kumar P**, Gupta, N.C. Clean Development Mechanism - An Overview for Indian Scenario and A Case Study of Road Transportation Sector, Delhi, *Pollution Research*, (2012); 31(1): 1- 6. **IF: 0.31**.

Research Papers published in Proceedings of Conferences / Seminars:

1. **Kumar P**, Gupta N.C, Parmar, K.S. (2014). Spatio-temporal variability of particulate matter over New Delhi. Second international Conference on "Mother Earth: Save It to Achieve a Sustainable Future for all". *Environica*, 1, pp. 93-102.
2. **Kumar P**, Singh, A.P, Gupta, N.C. (2011). Physicochemical Analysis of Different Horizons of the Natural Degraded Sal Forest of Assan Barrage Region, Dehradun. National Conference on Advances in Civil Engineering - (AICE-2011), pp. 107-117.
3. Singh S.K. and **Kumar P**. (2008). Water Conservation: An Overview. National Seminar on Water Conservation in Arid Region, pp. 63-69.

Books / Monographs/ Chapters

1. **Kumar, Pramod** (2020). Natural Resources: Lesson-7, Energy Resources pp. 83-103. Published by School of Open Learning, 5, Cavalry Lines, University of Delhi, Delhi-07. **ISBN: 978-93-84106-14-0**. (Book Chapter).

Abstract published in Proceedings of Conferences / Seminars:

1. **Kumar P**, and Gupta N.C. (2015). Study of Black Carbon Aerosol at Difference Urban Locations of Delhi. *National Conference on Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective*, organized by Department of Botany, Deen Dayal Upadhyaya College, University of Delhi (02-03 March, 2015), pp. 82. **ISBN: 978-93-5235-335-4.** (Abstract Book)
2. Rajora K, **Kumar P**, Sarma K. (2022). Mapping and Utilities of Water Hyacinth in Deepar Beel of Assam using Remote Sensing Data. World Women Conference - IV organized by Mata Sundri College for Women, University of Delhi (08-09 March, 2022) pp. 137. **ISBN: 978-625-7464-80-2.** (Abstract Book)
3. Aggarwal M, Goyal M, **Kumar, P.** (2022). Fintech - An Innovative Technology for Massive Transformation. World Women Conference - IV organized by Mata Sundri College for Women, University of Delhi (08-09 March, 2022) pp. 883. **ISBN: 978-625-7464-80-2.** (Abstract Book)

Conference Organization/ Presentations

- Two days National Conference on “Sustainable Environmental Perspectives: A Journey from Ancient India”, organized by Environmental Studies and Department of Botany, Deen Dayal Upadhyaya College, University of Delhi in association with Paryavaran Gatividhi, Sharanya (NGO), New Delhi on June 05-06, 2022. **Member of organizing committee.**
- “MICROSPHERE 2.0: An International Outreach Program” (online) on International Microorganism Day under the aegis of the International Microbiology Literacy Initiative (IMiLI), Indian Network for Soil Contamination Research (INSCR), Federation of European Microbiological Sciences (FEMS) & International Society for Microbial Ecology (ISME) in association with Gargi College (DU), Kirori Mal College (DU), Ramjas College (DU), Shivaji College (DU), Acharya Narendra Dev College (DU) & PG Dept. of Zoology (Magadh University) on September 17, 2022. **Member of organizing committee.**
- 7th Annual International Conference of INSCR on “Modulating The Environment with Microbes” organized in association with Acharya Narendra Dev College (DU), Bhaskaracharya College of applied Sciences (DU), CMP (PG) College, Prayagraj (AU), Deen Dayal Upadhyaya College (DU), Gargi College (DU), Kirori Mal College (DU), Kalinga Institute of Industrial Technology (KIIT), Miranda House (DU), PG Department of Zoology (KU), P.G. Department of Zoology (MU), Ramjas College (DU), School of Allied Sciences (DBUU), Shivaji College (DU), Sri Venkateswara College (DU), SGTB Khalsa College (DU), OhiXgen Pvt. Ltd., Gurugram & International Microbiology Literacy Initiative: South Asian Centre (IMiLI-SAC) on Nov. 08 to 11, 2022. **Member of organizing committee.**

Research Projects (Major Grants/Research Collaboration)

- NA

Awards and Distinctions

1. Qualified **UGC NET-LS Environmental Sciences:** December 2006 & 2010.
2. **JRF and SRF** by GGS Indraprastha University (2011-2014)

Association with Professional Bodies**Member/Fellow of National/International level Professional/Academic body/Journal:**

- **Life Time Member** of Indian Science Congress Association.
- **Life Time Member** of Indian Association for Air Pollution Control (Delhi Chapter). Delhi

Office: A-271, Okhla Industrial Area, Phase-I, New Delhi-20

- **Associate Editor of Journal:** Contemporary Plant Sciences (2015).
ISSN: 2393-8676 **Publisher:** Department of Botany, Deen Dayal Upadhyaya College, University of Delhi, New Delhi.
- **Life Time Member** of Indian Network for Soil Contamination Research (INSCR).

Other Activities

Skill Enhancement Courses offered through Coursera

1. Completed MOOC on **Introduction to Environmental Law and Policy** by The University of North Carolina at Chapel Hill
2. Completed MOOC on **Municipal Solid Waste Management in Developing Countries** by École Polytechnique Fédérale de Lausanne
3. Completed MOOC on **Introduction to GIS Mapping** by University of Toronto
4. Completed MOOC on **Introduction to Sustainability** by University of Illinois
5. Completed MOOC on **Probability and Statistics: To p or not to p?** by University of London
6. Completed MOOC on **Disaster Preparedness** by University of Pittsburgh
7. Completed MOOC on **Air Pollution - a Global Threat to our Health** by University of Copenhagen
8. Completed MOOC on **Global Warming I: The Science and Modeling of Climate Change** by The University of Chicago
9. Completed MOOC on **Global Environmental Management** by Technical University of Denmark (DTU)
10. Completed MOOC on **Introduction to Indoor Air Quality** by The Hong Kong University of Science and Technology
11. Completed MOOC on **Foundations of Teaching for Learning: Introduction to Student Assessment** by Commonwealth Education Trust
12. Completed MOOC on **Psychological First Aid** by Johns Hopkins University
13. Completed MOOC on **Foundations of Teaching for Learning: Planning for Teaching and Learning** by Commonwealth Education Trust
14. Completed MOOC on **Foundations of Teaching for Learning: Being a Professional** by Commonwealth Education Trust
15. Completed MOOC on **Foundations of Teaching for Learning: Being a Teacher** by Commonwealth Education Trust
16. Completed MOOC on **Foundations of Teaching for Learning: Developing Relationships** by Commonwealth Education Trust
17. Completed MOOC on **Foundations of Teaching for Learning: Learners and Learning** by Commonwealth Education Trust
18. Completed MOOC on **Foundations of Teaching for Learning: Introduction** by Commonwealth Education Trust
19. Completed MOOC on **Introduction to Financial Markets** offered by Indian School of Business
20. Completed MOOC on **Foundations of Teaching for Learning: Curriculum** by Commonwealth Education Trust
21. Completed MOOC on **Sustainable Development in the 21st Century with Ban Ki-moon** by Yonsei University
22. Completed MOOC on **Finding Purpose and Meaning in Life: Living for What Matters**

Most by University of Michigan

23. Completed MOOC on **Introduction to Psychology** by Yale University
24. Completed MOOC on **Psychodiagnostics and Psychological Assessment** by National Research Tomsk State University
25. Completed MOOC on **Positive Psychology** by The University of North Carolina at Chapel Hill
26. Completed MOOC on **How to Write a Resume (Project-Centered Course)** by The State University of New York
27. Completed MOOC on **Career Planning: A Pathway to Employment** by University System of Georgia.
28. Completed MOOC on **Microeconomics: The Power of Markets** by University of Pennsylvania.
29. Completed MOOC on **Ecosystem Services: A Method for Sustainable Development** by University of Geneva.

Resource Person / Organizing Committee Member in Workshops / Seminars / Symposia:

1. One day workshop on “Recent Trends in Bioinformatics”, organized by Department of Botany, Deen Dayal Upadhyaya College, University of Delhi under DBT Star College Scheme on January 31, 2018. **Member of organizing committee**
2. One Day Workshop on “Calculating Air Quality Index (AQI) of Dwarka and Nearby Area”, organized by Department of Botany, Deen Dayal Upadhyaya College under the aegis of DBT Star College Scheme on January 31, 2019. **Resource person and Member of organizing committee**
3. Virtual Visit to the Yamuna Biodiversity Park organized by Department of Environmental Studies, Deen Dayal Upadhyaya College, University of Delhi on February 22, 2021. **Convenor**
4. E-poster Making Competition organized by Department of Environmental Studies, Deen Dayal Upadhyaya College on the occasion of World Environment Day on June 05, 2021. **Event Coordinator**
5. Online Quiz Competition organized by Department of Environmental Studies, Deen Dayal Upadhyaya College on the occasion of World Environment Day on June 05, 2021. **Event Coordinator**
6. Session X on “Calculating Air Quality Index (AQI) of an Urban Location” organized under the BRIDGE PROGRAM (Bringing Science Home) on October 30, 2021. **Resource person and Teacher coordinator**
7. Workshop on “Calculating Air Quality Index (AQI) of an Urban Location of Delhi” organized Earthcon Society, Department of Environmental Studies, Mata Sundri College for Women, University of Delhi on February 07, 2022. **Resource person**
8. Online Quiz Competition organized by Department of Environmental Studies, Deen Dayal Upadhyaya College on the occasion of World Water Day on March 22, 2022. **Event coordinator**
9. Workshop on “Exploring and Understanding the Forest Ecosystems of Delhi-NCR” organized by Department of Environmental Studies in collaboration with Ecotone Adventures on the occasion of Van Mahotsav on July 03, 2023. **Event coordinator**
10. International Seminar on “Switching from Unsustainable to Sustainable Lifestyle: A Roadmap for the Conservation of Nature and its Resources” organized by Department of EVS & IQAC of Deshbandhu College in collaboration with the Earthcon - The Eco Club of

Mata Sundri College for Women with EnviroVigyan on July 28, 2023. **Convenor**

11. Lecture on “Ozone Depletion and Climate Change: Environmental Implications of Warmer Earth”, organized by Department of EVS & IQAC of Deshbandhu College in collaboration with EnviroVigyan on September 16, 2023. **Convenor**

Participation in Faculty Development Programmes/ Refresher/Orientation Courses:

1. Faculty Development Programme on “The Spaces We Create Together”, at Deen Dayal Upadhyaya College, University of Delhi on December 12, 2017.
2. One Day Faculty Development Programme on “Teachers as Mentors”, organized by Mentoring & Counselling Committee held at Deen Dayal Upadhyaya College, University of Delhi on August 23, 2018.
3. Five Days Faculty Development Programme on “MOOCs and e-content Development”, jointly organized with SWAWAM, an initiative of MHRD and Consortium for Educational Communication (CEC), the National Coordinator of UGC for non-technology UG and PG courses held at Deen Dayal Upadhyaya College, University of Delhi from July 13-17, 2019.
4. Two Weeks Faculty Development Programme on “MANAGING ONLINE CLASSES and CO-CREATING MOOCs”, organized BY Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by Ministry of Human Resource Development Pandit Madan Mohan Malviya National Mission on Teachers and Teaching from April 20- May 06, 2020.
5. One Week E-Faculty Development Programme on “Global Economy in COVID19: Opportunities and Challenges”, organized by University School of Management Studies, Guru Gobind Singh Indraprastha University from May 11-15, 2020.
6. One Week Faculty Development Programme on “Environmental Impacts of Covid-19 Pandemic: Challenges and future Research”, organized by University School of Environment Management, Guru Gobind Singh Indraprastha University from May 27- June 01, 2020.
7. National One Week Online Faculty Training Programme on “Pedagogical Training for Effective Online Teaching & Learning” Organized by Deen Dayal Upadhyaya College (University of Delhi) & K.T.H.M. College, Nashik under Internal Quality Assurance Cell & DBT Star College Program from August 03-10, 2020.
8. Two Weeks National Interdisciplinary Refresher Course on “Research Methodology and Data Analysis (Sharpening Skills through MSExcel, SPSS, MATLAB and R)” with A+ Grade organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching and Indian Accounting Association, NCR Chapter from March 24- April 07, 2021.
9. Two-week Interdisciplinary Refresher Course on “Managing Online Classes & Co-creating MOOCs 29.0” organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Bareilly College, Bareilly, U.P. under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from August 05-19, 2023.
10. Four-week Faculty Induction/orientation Programme for “Faculty in Universities/ Colleges/institutions of Higher Education” organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from September 20 - October 19, 2023.
11. Faculty Induction Programme on "NEP2020: Pedagogical Imperatives of Higher Education" organized by University of Delhi on December 01, 2023.

12. ISRO-Sponsored NNRMS Faculty Development Program on 'RS & Technology and Applications' with specialization in 'RS & GIS Applications in Atmospheric and Oceanic Studies' conducted by Indian Institute of Remote Sensing (IIRS), Department of Space, Government of India from May 19 - July 11, 2025.

Literary, Cultural or attainment in sports etc.) in which distinctions obtained

1. Delhi Sanskrit Academy has awarded Scholarship and a Certificate for obtaining 95% marks in Sanskrit.
2. Won Gold Medal in Sprint Race at College level as well as at School.
3. Played in Interdepartmental Cricket Tournament and got Runners-up position in college.
4. Got Zonal Certificates in Long Jump (1st), Sprint Race (2nd) & Prize in Inter House Quiz (3rd) while Schooling.
5. Won first prize in Patriotic Song Competition in School.

Pranod Kumar

Signature of Faculty Member