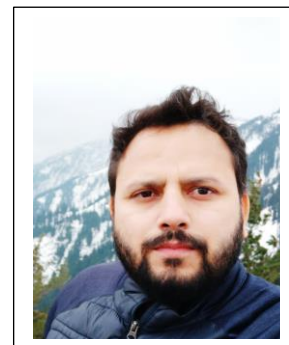


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Professional Experience: Assistant Professor in the Department of Environmental Studies, PGDAV College, University of Delhi, New Delhi 110067, India, from **03/03/2016 to the present date.**

Education:

- **PhD** in Environmental Chemistry from Indian Institute of Technology (BHU), Varanasi, India. Topic: "Biodegradation and Photocatalytic degradation of Organic Pollutants". Supervisors; Professor P.K Mishra (Department of Chemical Engineering), Professor Dhanesh Tiwary (Department of Chemistry).
 - **M.Sc** in Environment Science from Banaras Hindu University, Varanasi, India (Passed with First Class with Distinction).
 - **B.Sc.** in Chemistry, Botany, and Zoology as major subjects, University of Jammu, Jammu, India (Passed with First Class).
- Professional experience

Publications in peer-reviewed scientific journals, peer-reviewed conference proceedings etc.

I have authored in a total number of **65 peer-reviewed publications**. I did not confine myself only to writing 'full-length' research articles alone. I explored writing 'correspondences' and 'letters to the editor' on important issues of concern in peer-reviewed journals. I published my work both as a 'first' or 'corresponding' author. Further, I could publish my work in collaboration with other colleagues from different scientific institutions in India and abroad. **I have also engaged myself in editing books and, to date, have edited 45 books on different emerging topics of environmental concern with reputed publishers such as Elsevier. I have a total number of 2000 citations (as per Google Scholar) with an h-index of 19 and a Research Gate score is 30.28 with reads of more than 126K.**

Full-length articles (As the 'first' or 'corresponding' author)

1. Singh, P., Pal, D.B., Mohammad, A. *et al.* Improved production of thermo-alkali-tolerant fungal cellulolytic cocktail following Co-fermentation of sugarcane bagasse and secondary sewage sludge. *Biomass Conv. Bioref.* (2022). <https://doi.org/10.1007/s13399-022-02694-9>
2. Ojha, Ankita, Dhanesh Tiwary, Ramesh Oraon, and Pardeep Singh. "Degradations of endocrine-disrupting chemicals and pharmaceutical compounds in wastewater with carbon-based nanomaterials: a critical review." *Environmental Science and Pollution Research* (2021): 1-22.
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9. Singh Pardeep., Jain Rajat., Srivastava Neha., Borthakur Anwesha. *et al.* (2017). Current and emerging trends in bioremediation of petrochemical waste: A review. *Critical Reviews in Environmental Science and Technology (Taylor & Francis)*. (Accepted for publication). **(Impact**

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12. **Singh Pardeep.**, Vishnu M.C., Sharma Karan., Borthakur, Anwasha., et al. (2016). Photocatalytic degradation of acid red dye in the presence of activated carbon-TiO₂ composite and its kinetic enumeration. *Journal of Water Process Engineering (Elsevier)*. 12: 20-31 **Impact Factor 3.0**
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2. Kumar, Ajay, Sajana Sreedharan, Enoch G. Achigan-Dako, **Pardeep Singh**, and Nirala Ramchiary. "Improvement of a traditional orphan food crop, *Portulaca oleracea* L.(Purslane) using genomics for sustainable food security and climate resilient agriculture." *Frontiers in Sustainable Food Systems* (2021): 277.
3. Kumar, Ajay, Sushil Kumar, Nirala Ramchiary, and **Pardeep Singh**. "Role of traditional ethnobotanical knowledge and indigenous communities in achieving Sustainable Development Goals." *Sustainability* 13, no. 6 (2021): 3062.
4. Yadav, Deepak, S. Rangabhashiyam, Pramit Verma, **Pardeep Singh**, Pooja Devi, Pradeep Kumar, Chaudhery Mustansar Hussain, Gajendra Kumar Gaurav, and Kuppusamy Sathish Kumar. "Environmental and health impacts of contaminants of emerging concerns: recent treatment challenges and approaches." *Chemosphere* (2021): 129492.
5. Singh, V., **P. Singh**, and R. Singh. "Sustainable strategies for rice-straw management from South Asian countries: a book review." *J Clean Prod (in press)*. <https://doi.org/10.1016/j.jclepro> (2020).
6. Madhav, Sugghosh, Ashutosh Kumar, Jyoti Kushawaha, Arif Ahamad, **Pardeep Singh**, and S. B. Dwivedi. "Geochemical assessment of groundwater quality in Keonjhar City, Odisha, India." *Sustainable Water Resources Management* 6 (2020): 1-11.
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18. Srivastava, Neha, Manish Srivastava, Ambepu Manikanta, **Singh, Pardeep**, P. W. Ramteke, P. K. Mishra, and Bansi D. Malhotra. "Production and optimization of physicochemical parameters of cellulase using untreated orange waste by newly isolated *Emericella varicolor* NS3." *Applied biochemistry and biotechnology* 183, no. 2 (2017): 601-612. (**Impact Factor 2.14**)
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20. Pal, D. B., **Singh, Pardeep**, and P. K. Mishra. "Composite ceria nanofiber with different copper loading using electrospinning method." *Journal of Alloys and Compounds (Elsevier)*694 (2017): 10-16. (**Impact Factor 4.17**)
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24. Pal, D. B., P. Srivastava, A. Mishra, D. D. Giri, K. R. Srivastava, **Singh, Pardeep**, S. Awasthi, L. Kumari, and P. K. Mishra. "Synthesis and characterization of bio-composite nanofiber for controlled drug release." *Journal of Environmental Chemical Engineering(Elsevier)* 5, no. 6 (2017): 5843-5849.
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2. ^x Borthakur, Anwasha., **Singh, Pardeep.** (2016). How well are we managing laboratory waste in India? *Current Science*. 110(6): 957-958. (**Impact factor at the time of publishing 0.926**).
3. ^x Borthakur, Anwasha., **Singh, Pardeep.** (2016). M.C. Mehta vs. Union of India: How is Compulsory Environmental Education in India Doing? *Current Science*. 110(4): 477. (**Impact factor at the time of publishing 0.926**).
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2. Borthakur, Anwasha., **Singh, Pardeep.,** 2015. Electronic Waste Management in India: Identifying the Challenges and Opportunities by SWOT and STEEPV Analysis. *Proceedings of International Conference on Solid Wastes 2015: Knowledge Transfer for Sustainable Resource Management, Hong Kong SAR, 19-23rd May, 2015*. Pp: 1086-1089. ISBN: 978-988-19988-9-7.
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7. Rishikesh Singh, Talat Afreen, **Singh, Pardeep,** Pratap Srivastava, Hema Singh, A.S. Raghubanshi: Impact of sole and combined amendment of rice-husk ash on soil CO₂ efflux and agronomic parameters of wheat crop in dry tropics. *SOILS 2017 International Conference on Sustainable Soil Management, Biltula, Sarawak, Malaysia; 03/2017*
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B. Edited Books

S.No	Title	Author	Place of Publication and Publisher	Year of Publication	Edition	ISBN
1	Abatement of Environmental Pollutants: Trends and Strategies	Pardeep Singh, Ajay Kumar, Anwesha Borthakur	Elsevier USA	2019	1st	9780128180952
2	Water Conservation and Wastewater Treatment in BRICS Nations	Pardeep Singh, Yulia Milshina, et.al	Elsevier USA	2019	1st	978-0-12-818339-7
3	Inorganic Pollutants in Water	Pooja Devi, Pardeep Singh and Sushil Kansal	Elsevier USA	2020	1st	978-0-12-818965-8
4	Nano-Materials as Photocatalysts for Degradation of Environmental Pollutants	Pardeep Singh, Anwesha Borthakur . et al	Elsevier USA	2019	1st	978-0-12-818598-8
5	Handbook of Research on the Conservation and Restoration of Tropical Dry Forests	Rahul Bhadouria, Sachchidanand Tripathi, Pratap Srivastava and Pardeep Singh	IGI USA	2019	1st	9781799800149

6	Sensors in Water Pollutants Monitoring: Role of Material	Pooja Devi praveen Kumar, Pardeep Singh, Sandip Patil	Springer Nature Switzerland	2020	1st	978-981-15-0670-3
7	Urban Ecology	Pramit Verma, Pardeep Singh et al	Elsevier USA	2020	1st	978-0-12-820730-7
8	Microbe Mediated of Remediation Environmental Contaminants		Elsevier USA	2020	1st	978-0-12-821199-1
9	Policy Issues in Genetically Modified Crops: A Global Perspective	Pardeep Singh, Anwasha Borthakur Etal	Elsevier USA	2020	1st	978-0-12-820780-2
10	Plant-Microbes-Engineered Nano-particles (PM-ENPs) Nexus in Agro-Ecosystems	Pardeep Singh Rishikesh Singh Pramit Verma Rahul Bhadouria Ajay Kumar Mahima Kaushik	Springer Nature Switzerland	2021	1st	978-3-030-66955-3

11	Water Conservation in the Era of Global Climate Change	Binota Thokchom, Pengpeng Qiu, Pardeep Singh, Parameswar Iyer	Elsevier USA	2021	1st	9780128202005
12	Environmental Sustainability and Industries	Pardeep Singh, Joao Bassin, Sanchayita Rajkhowa, Chaudhery Hussain, Ramesh Oraon	Elsevier USA	2022	1st	9780323900348
13	Global Climate Change	Suruchi Singh, Pardeep Singh, et al	Elsevier USA	2021	1st	978-0-12-822928-6
14	Pollutants and Water Management: Resources, Strategies and Scarcity	Pardeep Singh, Rishikesh Singh, Vipin Kumar Singh, Rahul Bhadouria	Wiley-Blackwell UK	2021	1st	ISBN: 978-1-119-69367-3
15	Management of Contaminants of Emerging Concern (CEC) in Environment	Pardeep Singh, Chaudhery Mustansar Hussain and Sanchayita Rajkhowa	Elsevier USA	2021	1st	978-0-12-822263-8
16	Selenium Contamination in Water	Pooja Devi (Editor), Pardeep Singh (Editor), Arindam Malakar (Editor), Daniel Snow (Editor)	Wiley-Blackwell UK	2021	1st	978-1-119-69354-3

17	Wetlands Conservation: Current Challenges and Future Strategies	Sanjeev Sharma (Editor), Pardeep Singh (Editor)	Wiley-Blackwell UK	2021	1st	978-1-119-69632-2
18	Groundwater Geochemistry: Pollution and Remediation Methods	Sughosh Madhav (Editor), Pardeep Singh (Editor)	Wiley-Blackwell UK	2021	1st	978-1-119-70970-1
19	Environmental Sustainability and Economy	Pardeep Singh, Pramit Verma, Daniela Perrotti, K.K. Srivastava	Elsevier USA	2021	1st	9780128221884
20	Waste Management Policies and Practices in BRICS Nations	<i>Pardeep Singh, Yulia Milshina, Kangming Tian, Anwasha Borthakur, Pramit Verma, Ajay Kumar</i>	CRC Press USA	2021	1st	9780367440992
21	Ecological Significance of River Ecosystems	<i>Sughosh Madhav, Shyam Kanhaiya, Arun Srivastav, Virendra Singh, Pardeep Singh</i>	Elsevier USA	2022	1st	9780323850452
22	Contamination of Water	<i>Arif Ahamad, Sharf Siddiqui, Pardeep Singh</i>	Elsevier USA	2021	1st	9780128240588

23	Energy: Crises, Challenges and Solutions	Pardeep Singh, Suruchi Singh, Gaurav Kumar, Pooja Baweja	Wiley-Blackwell UK	2021		978-1-119-74155-8
24	Pesticides in the Natural Environment	Pardeep Singh, Suruchi Singh, Mika Sillanpää	Elsevier USA	2022	1st	9780323904896
25	Hazardous Waste Management	Deepak Yadav, Pradeep Kumar, Pardeep Singh, Daniel Vallero	Elsevier USA	2021	1st	9780128243442
26.	Coastal Ecosystems	Sughosh Madhav Sadaf Nazneen Pardeep Singh	Springer UK	20-22	1st	978-3-030-84254-3
27	Nanocellulose Materials	Ramesh Oraon, Deepak Rawtani, Pardeep Singh, Dr. Chaudhery Mustansar Hussain	Elsevier USA	2022	1st	9780128239636
28	Utilization of Waste Biomass in Energy, Environment and Catalysis	Dan Bahadur Pal, Pardeep Singh	CRC press USA	2022	1st	9781032051628

29	Innovative Technologies Environmental Remediation	Bio-Based for	<i>Pardeep Singh, Chaudhery Mustansar Hussain, Mika Sillanpää</i>	CRC Press USA	2022	1st	9780367436032
30	Plastic and Microplastic in the Environment: Management and Health Risks		<i>Arif Ahamad (Editor), Pardeep Singh (Editor), Dhanesh Tiwary (Editor)</i>	Wiley-Blackwell UK	2022	1st	978-1-119-80088-0
31	Urban Ecology and Global Climate Change		<i>Rahul Bhadouria (Editor), Shweta Upadhyay (Editor), Sachchidanand Tripathi (Editor), Pardeep Singh (Editor)</i>	Wiley-Blackwell UK1	2022	1st	978-1-119-80720-9

C. Research monographs, chapters in collective volumes and any translations thereof.

1. Borthakur, Anwasha., **Singh, Pardeep.** (2019). "Mapping the Emergence of Research Activities on 'E-waste': A Scientometric Analysis and an In-depth Review". In: Prasad, M.N.V., Vithanage, Meththika., Borthakur, Anwasha (Ed), *Handbook of Electronic Waste Management Best Practices*. UK: Elsevier. (Upcoming). ISBN: 978-0-12-817031-1.
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3. Borthakur, Anwasha., **Singh, Pardeep.** (2019). "Sustainability Science – Below and Above the Ground as per the United Nation's Sustainable Development Goals". In: Prasad, M.N.V., Pietrzykowski Marcin (Ed), *Climate Change and Soil Interactions*. UK: Elsevier. (Upcoming).
4. Borthakur, Anwasha., **Singh, Pardeep.** (2019). "Policies and Regulations Regarding Recycling". In: Metselaar, Henk (Ed), *Encyclopedia of Renewable and Sustainable Materials*. USA: Elsevier. (Upcoming).
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D. Invited presentations to peer-reviewed, internationally established conferences, advanced schools

1. Title of the paper: "The Pre-mature Demise of the Smartphones and Its Implications in the Electronic Waste Menace" Presented at Nordic science and technology studies conference **2019, Tampere Finland**
2. Title of the paper: "How E-waste is perceived in contemporary urban India: An in-depth Analysis of publics' understandings and awareness Presented at: 7th international conference on sustainable solid waste management **2019 Greece**
3. Title of our paper: Indigenous and traditional knowledge systems for addressing key environmental and agricultural concerns: some experiences from India. Presented at: *2nd International Conference "ADAPTtoCLIMATE" 2019 Greece.*
4. Title of the Paper: Reduced Graphene -TiO₂ Nanocomposites As Photocatalyst For Degradation Of BTEX Compound In Petrochemical Waste Water. Presented at: *International Conference on Solid Wastes 2015: Knowledge Transfer for Sustainable Resource Management, Hong Kong SAR, P.R. China, 19 – 23 May 2015.*
5. Title of the Paper: "Indigenous Technical Knowledge (ITK) and their Role in Sustainable Grassroots Innovations: An Illustration in Indian Context". Presented at: "*International Conference on Innovation & Research in Technology for Sustainable Development*" at the *O.P. Jindal Institute of Technology, Raigarh, Chattisgarh* from 1-3 November 2012.

E. Prizes and Awards

1. Junior research fellowship awarded 2011, University Grant Commission (Govt. of India, New Delhi)
2. Senior research fellowship 2013, University Grant Commission (Govt. of India, New Delhi)
3. BRICS Young Scientist Award 2018, Department of Science and Technology, Govt. of India and South Africa
4. Acting as a regular peer-reviewer of the following reputed journals: Journal of Cleaner Production (Elsevier), Waste Management (Elsevier), Waste Management (Elsevier) ICE - Waste and Resource Management Desalination and Water Treatment
5. Editorial Roles: Review Editor for Green and Sustainable Chemistry Frontiers in Chemistry

F. Member of Scientific society

1. A lifetime member of the **International Society of environmental Botanists (ISEB)** NBRI Lucknow India.
2. Member of the **International Society for tropical ecology (ISTE)** BHU Varanasi India.
3. A lifetime member of the **biotic research society of India (BRSI) India.**
4. A lifetime member of the **Association of Environmental analytical chemistry India**
5. A lifetime member of the **Indian Science Congress, India**

G. Other Academic Experiences

1. **Visited the following countries for academic purposes:** Hong Kong SAR, Belgium, South Africa, Finland, and Greece.

Following are some of my research profiles:

Research Gate: https://www.researchgate.net/profile/Pardeep_Singh7

Google Scholar: <https://scholar.google.co.in/citations?user=w0ros08AAAAJ&hl=en&authuser=1>

Amazon Author centre: <https://amazon.com/author/pardeepsingh>

Thank you,
Pardeep Singh