

CURRICULUM VITAE

Dr. Abhay Prakash Rawat

Subject Expert in Environmental Science,
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Personal Details:

Name : Dr. Abhay Prakash Rawat
Father's name : Sri Bhallu Rawat
Date of Birth : 02-05-1984

Present working positions:

- Subject Expert for teaching in the M.Sc. Environmental Science, Department of Botany, University of Lucknow, Lucknow-226007 (India) since November 2020.

Previous working positions:

- Lecturer for teaching in the B.Sc. Environmental Science, Saryu Degree College, Gonda (U.P.) in the Session 2012-14.

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Academics:

Name of Examination/Degree	Name of the Board/University	Year of Passing	Division	Subjects

X th	C.B.S.E	2000	First	Hindi, English, Maths, Science, Social Science
XII th	C.B.S.E	2002	First	Hindi, English, Physics, Chemistry, Biology
B.Sc	University of Lucknow (UP)	2006	Second	Zoology, Botany, Chemistry
M.Sc.	B. B. Ambedkar University, Lucknow (UP)	2010	First	Environmental Microbiology
UGC-NET	University Grant Commission, New Delhi, India	2012	-----	Environmental Science
Ph.D.	B. B. Ambedkar University, Lucknow (UP)	2019	Awarded	Environmental Science

Field of Specialization: *Bio-remediation/Waste water treatment/Environmental Chemical Engineering/Dyes and heavy metals removal from wastewater using bio-sorbents/Adsorption kinetics and Thermodynamics/Redox modulation of dyes and heavy metals in the presence of bio-sorbents*

Awards:

- National level UGC-Rajiv Gandhi National Fellowship (RGNF-JRF) in 2016 –17

List of Research Publications

S. No.	Title of the paper	Authors	Journal Name	Year	Vol. No.	Page No.	Impact factor
1.	Preparation, characterization and agri applications of biochar produced by pyrolysis of sewage sludge at different temperatures	A. Raj, A. Yadav, S. Arya, S. Kumar, A. P. Rawat et al.	Science of The Total Environment	2021	795	148722	7.963
2.	Kinetic and thermodynamic investigations of sewage sludge biochar in removal of Remazol Brilliant Blue R dye from aqueous solution and evaluation of residual dyes cytotoxicity	A. Raj, A. Yadav, A. P. Rawat et al.	Environmental Technology & Innovation	2021	23	101556	5.263
3.	Kinetic behavior and mechanism of arsenate adsorption by loam	Abhay Prakash	Soil and Sediment	2021	30	1-25	2.061

	and sandy loam soil	Rawat, Vinay Kumar, Pratibha Singh, Amritesh C. Shukla, D. P. Singh	Contamination: An International Journal				
4.	Synergistic action of adsorption and reductive properties of ash derived from distilled Mentha piperita plant waste in removal of Cr(VI) from aqueous solution	Abhay Prakash Rawat, D. P. Singh	Ecotoxicology and Environmental Safety	2019	176	27-33	6.291
5.	A combined effect of adsorption and reduction potential of biochar derived from Mentha plant waste on removal of methylene blue dye from aqueous solution	Abhay Prakash Rawat, Vinay Kumar, D. P. Singh	Separation Science and Technology	2019	54	1-15	2.475
6.	Decolourization of malachite green dye by mentha plant biochar (MPB): a combined action of adsorption and electrochemical reduction processes	Abhay Prakash Rawat, D. P. Singh	Water Science and Technology	2018	77	1734-1743	1.915
7.	Kinetic and thermodynamic study on adsorption characteristics of ash derived from distilled waste of aromatic crop Mentha piperita: a lowcost, efficient adsorbent for crystal violet removal	Abhay Prakash Rawat, D. P. Singh	Desalination and Water Treatment	2017	84	225-236	1.234
8.	Isolation of Alkaliphilic Bacterium Citricoccus alkalitolerans CSB1 : An Efficient Biosorbent for Bioremediation of Tannery Waste Water	Prem Chandra, Abhay Prakash Rawat, D. P. Singh	Cellular and Molecular Biology	2016	62	135	0.605

Researchgate Profile: <https://www.researchgate.net/profile/Abhay-Rawat-2>

Google Scholar Profile: <https://scholar.google.com/citations?user=5nO4ocAAAAAJ&hl=en>

Conferences/symposium/ workshops attended

1. Presented paper entitled “Equilibrium, kinetic and thermodynamic study on adsorption characteristics of mentha activated carbon (MAC) in removal of methyl orange dye” in the

National Conference on “*Biodegradation of wildlife, Environment and Biodiversity*” organized by Gandhi Faiz-E-Aam (P.G.) College, Shahjahanpur held during 19th – 20th March, 2017.

2. Presented a paper entitled “**Organic and inorganic contaminants removal from wastewater using low-cost adsorbents**” in the workshop on “Socio-environmental Dimensions of Rejuvenating River Gomti” organized by the Department of Environmental Science, Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow, (U.P.), India held on 23rd April, 2018.
3. Presented a paper entitled “**Decolourization of malachite green dye by mentha plant biochar (MPB): a combined action of adsorption and electrochemical reduction processes**” in national symposium on “Biodiversity and natural resources for sustainable development & 37th annual session of Academy of Environmental Biology” organized by Department of Zoology, Chaudhary Charan Singh University, Meerut, (U.P.), India during 24-26th November, 2017.
4. Participated in the Workshop on “**Mainstreaming Climate Change Adaptation and Disaster Risk Reduction**” organized by Dept. of Environmental Science, BBAU, Lucknow, (U.P.) held on 7th March, 2014.
5. Participated in the International Workshop on BRIDGES-2015 “**Bridging Development Divide for Inclusive Growth through Science, Technology and Innovation**” organized by the DST-Centre for Policy Research, BBA University, Lucknow, (U.P.) held during 16th to 17th January, 2015.
6. Participated in “Hands-On-Traning” on **SEM, FTIR, FPLC, and Ion Chromatography** organized by the University Science Instrumentation Center (USIC), BBAU, Lucknow (U.P.) during 18th to 20th February 2015.
7. Participated in the Workshop on “**IPR and Related Issues: Present and Future Needs**” held on March 27-28, 2015 at UPCAR, Lucknow.
8. Participated in the National Symposium on “**IPRs in Agricultural Research**” jointly organized by BBAU, Lucknow (U.P.) and UPCAR, Lucknow during August 30-31, 2017.
9. Participated in the Seminar on “**Environmental Sustainability: Present Scenario and Future Aspects**” organized by Department of Environmental Science, Babasaheb Bhimrao Ambedkar University, U.P., India held on 10th January, 2019.

Referees:

	Referee 1	Referee 2	Referee 3
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Name & complete postal addresses	Prof. Kaman Singh, Head, Advanced Center of Surface Chemistry, Department of Applied Chemistry, School for Physical Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow-226025, India	Dr. Pankaj Kumar Srivastava Principal Scientist Environmental Technologies Division, CSIR- National Botanical Research Institute, Lucknow (U.P.), India	Dr. Amritesh C. Shukla Professor & Additional Dean (Recruitment & Assessment Cell) Faculty of Science, Department of Botany, University of Lucknow, Lucknow– 226007, India
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All the information given here are true to the best of my knowledge and belief.

Dr. Abhay Prakash Rawat

(M.Sc., NET, Ph.D.)