Kumaun University, Nainital
Curriculum Vitae

Name : Dr. Diksha Sah

Designation : Assistant Professor (Guest)

Department : Faculty of Agriculture& Agroforestry

Contact Information

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- Mobile No : 9410584799

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Educational Qualification

Degree	University	Subjects	Year
Ph.D.	G.B.P.U.A&T Pantnagar	Environmental Science (Major) and Microbiology (Minor)	2023
Master of Science	University of Agricultural Sciences Bengaluru	(Agri.)Environmental Science	2017
Bachelor of Science	G.B.P.U.A&T Pantnagar	Agriculture	2015
Senior secondary	Army School Ranikhet	Physics, Maths, Chemistry, Biology, English	2011
Higher Secondary	Army School Ranikhet	Science, Maths, Social Studies, English, Hindi	2009

Work Experience

Position	Department	University/Organization	Year
Assistant Professor (Guest Faculty)	Agriculture and Agroforestry	Kumaun University	2023- till present
Assistant Professor (AC)	Environmental Science	Uttrakhand Open University	2023

Research Interests

(1) Specialises in monitoring the potential of microbes to remediate contaminated soils and agricultural lands.

(2) Interested in exploring innovative solution in mitigating climate change impacts and enhancing biodiversity conservation.

Publications (start from recent publications)

a) Research Papers

Authors name	Title of the paper	Vol, page no	Year
Pallavi Saxena, Harish, **Diksha Sah**, Kanika Vats, Rashi Miglani.	A critical review on fate, behaviour, and ecotoxicological impact of zinc oxide nanoparticles on algae.	Environmental Science and Pollution Research, Volume: 31	2024
Ankita Ghosh, **Diksha Sah**, Moumita Chakraborty, J.P.N Rai	Biomediated detoxification of heavy metal contaminated soil and phytotoxicity reduction using novel strain *Brevundimonas vancanneytii* SMA3	Heliyon, Volume: 9, Issue:11	2023
Diksha Sah, Ankita Ghosh, Moumita Chakraborty, and J.P.N Rai**.**	Comparative Analysis of the Efficacy of Free and Immobilized Bacteria in Degradation of Diesel Oil.	*The Pharma Innovation*, Volume: 12, no. 6 2043-2048.	2023
Diksha Sah, Ankita Ghosh, J.P.N Rai, and Moumita Chakraborty.	A Review on Biosurfactant Producing Bacteria For Remediation of Petroleum Contaminated Soils.	*3 Biotech, Volume:* 12.	2022
Ankita Ghosh, **Diksha Sah**, J.P.N Rai, and Moumita Chakraborty.	Isolation and Characterization of lead (PB) tolerant bacterial isolate and its potential for bioremediation of contaminated soil	*The Pharma Innovation*, Volume: 11, no. 5	2022
Diksha Sah, and A.S. Devakumar	The carbon footprint of agricultural crop cultivation in India	Carbon Management, Volume: 9, Issue:3	2018

Teaching details

Name of the course/paper	Department	University	Year
Soil Science, Statistics, Manure and Fertilisers, Organic Farming, Soil Water Conservation Engineering, Problematic Soils and their Management	Agriculture	Kumaun University	2023- till present

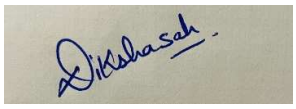
Honours and Awards

Award	Awarding Organization	Year
NTS Fellowship during masters	ICAR, New-Delhi	2015-2017
JRF/SRF scholarship during Ph.D.	ICAR, New-Delhi	2019-2022

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Potential of Biosurfactant Synthesizing Novel Indigenous Bacterial Strain to Remediate Petroleum Contaminated Sites.	International Conference on approaches in agriculture, biological and applied sciences for sustainable development	Kumaun University, Nainital	01-03 March 2024
Degradation of diesel oil by indigenous bacteria isolated from contaminated soil	International Conference on Advances in Agricultural and Food System Towards Sustainable Development Goals (AAFS 2022)	UAS, Bangalore, AIASA, New Delhi and ICAR, New Delhi, India	22-24 August, 2022
Bioremediation: An efficient approach and treatment of heavy metals in	5th International Conference on Advances in Smart Agriculture	Jaipur National University, Rajasthan	04-06 March 2022

industrial waste water	and Biodiversity Conservation for Sustainable Development		
Isolation, Identificationand diesel oil degradation potential of native bacterial strain isolated from petroleum contaminated soil	International Conference on“Innovative Approaches in Agriculture, Horticulture & Allied Sciences (IAAHAS 2023)” held on 29-31 March, 2023 at SGT University, Gurugram.	SGT University Gurugram (ICAR Accredited), Just Agriculture Group, ISAHRD, Chandigarh,	29-31 March, 2023



Signature of the faculty member