

Name Dr. Ritu Nagdev
Date of birth 14 June, 1991
Designation Scientist (Sr. Scale)
Qualification Ph. D (Environmental Sciences)
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Educational Qualifications

- M.Sc. (Environmental Sciences), CCS University, Meerut, Uttar Pradesh (2012)
- Ph.D. (Environmental Sciences), Amity University, Noida, Uttar Pradesh (2025)

Professional Experience

- Scientist (Senior Scale) at ICAR-NBSS&LUP, RC, New Delhi from 01.01.2020 to till date
- Scientist at ICAR-NBSS&LUP, RC, New Delhi from 16.09.2014 to 31.12.2019
- Scientist at ICAR-NBSS&LUP, Nagpur from 01.04.2014 to 15.09.2014
- Scientist at ICAR-NAARM, Hyderabad from 01.01.2014 to 31.03.2014

Research Areas

- Land evaluation, natural resource management
- Agricultural land use planning
- LRI of cold desert areas
- Valorization of biogas slurry and organo-mineral amendments

International Experience: NIL

Awards

- Outstanding Extension Officer Award under Vikshit Krishi Sankalp Abhiyan (VKSA) by State Agri. Dept. and Govt. of Uttar Pradesh-2025.
- Young Scientist Award by Clay Minerals Society of India (CMSI)-2025.
- Innovative Scientist of the year by Scientific & Educational Research Society (SERS)-2023.
- Young Women Scientist Award by Indian Society of Agriculture and Horticulture Research Development (ISAHRD)-2023.
- Young Scientist Award by National Environmental Science Academy (NESA)-2022.
- Young Scientist Award by VD Good Technology Factory (VDGFT)-2020.
- Indira Gandhi Gold Medal Award by Global Economic Progress & Research Association (GEPRA)-2019.
- Consolation prize in “Hindi Lokotiyaan Competition” by NARAKAS-2019.
- Best Poster Presentation Award by Soil Conservation Society of India (SCSI)-2018.
- Outstanding Young Scientist Award of ICAR-NBSS&LUP, Nagpur-2018.
- Best Poster Presentation Award by Clay Minerals Society of India (CMSI)-2017.
- ICAR-NET in Environmental Sciences-2012.
- Gold Medal Award in M.Sc. Environmental Science-2012
- Smt. Pramila Mittal Scholarship Award in B.Sc.-2008.

Total Publications:

Research Papers in peer-reviewed Journals (Indian Journal: 17 and International Journal: 09)	26
Abstracts published	18
Book chapters	02
Research/ technical bulletin/reports	06
Popular articles	32
Opinion in Advances in Plant and agricultural research	01

Ten Best Research Papers along with NAAS Rating-2026

S. No.	Publication	NAAS Rating
1.	Moharana, P.C., Nagdev, R. and Burman, U. (2018). Utilizing Geo-information Tools for Mapping Spatio-Temporal Changes in Population of <i>Prosopis cineraria</i> (khejri) in Agroforestry System of Arid western Rajasthan. <i>Journal of Indian Society of Remote Sensing (JISRS)</i> , 46(3): 431-442.	8.50
2.	Mahapatra, S.K., Reddy, G.P. Obi, Nagdev, R., Yadav, R.P., Singh, S.K. and Sharda. V.N. (2018). Assessment of soil erosion in fragile Himalayan ecosystem of Uttarakhand using USLE and GIS for sustainable productivity. <i>Current Science</i> , 115 (1): 108-121.	7.10
3.	Nagdev, R., Khan, S.A. and Dhupper R. (2024). Assessment of Physico-Chemical Properties of Biogas Slurry as an Organic Fertilizer for Sustainable Agriculture. <i>Journal of Experimental Biology and Agricultural Sciences (JEBAS)</i> , 12(4): 634-644.	5.62
4.	Nagdev, R., Meena, R.K., Kumar, A., Joon, V. and Surya, J.N. (2024). Evaluation of Soil Suitability for the Cultivation of Oilseed Crops in Rajpura block, Patiala district of Punjab. <i>Journal of Soil and Water Conservation (JSWC)</i> , 23(4): 360- 366.	5.50
5.	Nagdev, R., Mahapatra, S.K., Yadav, R.P. and Singh, S.K. (2017). Land Capability Classification and Management needs in Aravalli fringes in Southern Haryana for Sustainable Land Use Planning. <i>Journal of Soil and Water Conservation (JSWC)</i> , 16 (2), 117-125.	5.50
6.	Nagdev, R., Khan, S.A, Dhupper, R., Shalwee and Sharma, S. (2024). Impact of Integrated Application of Biogas Slurry and Organo-mineral Amendments on Soil Microbial Biomass and Enzymes Activity under Rice-Wheat Cropping System (RWCS). <i>Journal of the Indian Society of Soil Science (JISSS)</i> , 72(4): 462-471.	5.34
7.	Nagdev, R., Mahapatra, S.K., Yadav, R.P. and Singh, S.K. (2017). Assessment of Soil Resource Potential of Warm Humid Kumaon Himalayas for Sustainable Productivity. <i>Journal of the Indian Society of Soil Science (JISSS)</i> , 65(2): 138-147.	5.34
8.	Nagdev, R., Meena, R.K., Kumar, A., Joon, V. and Surya, J.N. (2024). Evaluation of the Suitability of Horticultural Crops under Prevailing Environmental Conditions - A Case Study of Punjab. <i>Journal of Geography, Environment and Earth Science International (JGEES)</i> , 28(11): 90–106.	5.10
9.	Nagdev, R., Khan, S.A. and Dhupper, R. (2026). Biogas Slurry and Organo-Mineral Integration: Drivers of Arylsulfatase, Urease and FDA Enzyme Stimulation in Soil. <i>Asian Journal of Soil Science and Plant Nutrition (AJSPN)</i> , 12(2): 37-46.	5.06
10.	Nagdev, R., Meena, R.K., Kumar, A., Joon, V. and Surya, J.N. (2024). Evaluation of land resources for sustainable agricultural land use planning: A case study. <i>Environmental Conservation Journal (ECJ)</i> , 25(4): 1265–1274.	5.01

Google Scholar link: <https://scholar.google.com/citations?user=QyByrCMAAAAJ&hl=en>

Research Gate link: <https://www.researchgate.net/profile/Ritu-Nagdev>