

Name	Lal Chand Malav	
Date of birth	27-06-1990	
Designation	Scientist Sr. Scale (Environmental Science)	
Qualification	Ph.D.	
Email id	lalchandmalav1@gmail.com ; LC.Malav@icar.org.in	
Educational Qualifications		
Ph.D (Environmental Science), ICAR-Indian Agricultural Research Institute, New Delhi (2018); M.Sc (Environmental Science), ICAR-Indian Agricultural Research Institute, New Delhi (2014). B.Sc. (Ag.) Hons MPKV, Rahuri, Maharashtra (2012).		
Professional Experience		
• Scientist (Sr. scale) at ICAR-NBSS&LUP, Regional Centre, Udaipur from 04.01.2022 to till date • Scientist at ICAR-NBSS&LUP, Regional Centre, Udaipur from 09.09.2021 to 03.01.2022 • Scientist at ICAR-NBSS&LUP, LUP Div. Nagpur from 16.07.2018 to 08.08.2021 • Scientist at NAARM, Hyderabad from 04.01.2018 to 15.07.2018		
Research Areas		
Soil pollution • Soil survey • Remote Sensing and GIS • Digital soil mapping • Land degradation • LULC Dynamics • Ecosystem Service evaluation		
International Experience Nil		
Awards		
ICAR-NBSS&LUP Outstanding Young Scientist Award 2022-23 • NESI Scientist of the Year Award 2022 by National Environmental Science Academy, New Delhi • DST-INSPIRE Fellowship, 2014 • UGC NET-JRF in Environmental Sciences, 2013 • Gold medal award, IARI, 2014 • Pradeep Memorial Award for Best Student Division of Environmental Sciences, IARI, 2014 • IARI Merit Fellowship, 2014 (All India Rank 3) • Junior Research fellowship-ICAR, 2012 (All India Rank14) • ICAR-National Talent scholarship, 2008-2012.		
Honours/Recognitions		
Appreciation letter by NITI Aayog, New Delhi Letter No. 87555/2019/ADP/CEO/NITI dated 24/10/2019: Director and entire team of contributors were appreciated by NITI Aayog for bringing out the publication “Sustainable Agriculture Land Use Planning in 27 Aspirational District of India”.		
Ten Best Research Papers along with NAAS Rating 2026		
Malav, L. C., Daripa, A., Chattaraj, S., Yadav, B., Jangir, A., Naitam, R. K., ... & Karak, T. (2025). Trace Elements in Untreated Wastewater in Central India: A Controversial Consideration for Irrigating Vegetables—To Employ or Not to Employ? LC Malav et al. Biological Trace Element Research, 1-25. (NAAS Rating: 9.4)		

Malav, L. C., Yadav, B., Tailor, B. L., Pattanayak, S., Singh, S. V., Kumar, N., ... & Jha, P. K. (2022). Mapping of land degradation vulnerability in the semi-arid watershed of Rajasthan, India. *Sustainability*, 14(16), 10198. (NAAS Rating: 9.3)

Malav, L. C., Yadav, K. K., Gupta, N., Kumar, S., Sharma, G. K., Krishnan, S., ... & Bach, Q. V. (2020). A review on municipal solid waste as a renewable source for waste-to-energy project in India: Current practices, challenges, and future opportunities. *Journal of Cleaner Production*, 277, 123227. (NAAS Rating 15.30)

Malav, L. C., Kumar, S., Islam, S., Chaudhary, P., & Khan, S. A. (2022). Assessing the environmental impact of air pollution on crops by monitoring air pollution tolerance index (APTI) and anticipated performance index (API). *Environmental Science and Pollution Research*, 1-16.

Malav, L.C., Yadav, B., Sunil, B., Tiwari, G., Jangir, A., Nogiya, M., Meena, R., Moharana, P.C., Sharma, R. And Mina, B., 2024. Assessing the influence of elevation on satellite derived normalized difference vegetation index and land surface temperature in Rajasthan. *Journal of Agrometeorology*, 26(1), pp.80-86.

Yadav, B., **Malav, L. C***, Jangir, A., Kharia, S. K., Singh, S. V., Yeasin, M., ... & Yadav, K. K. (2023). Application of analytical hierarchical process, multi-influencing factor, and geospatial techniques for groundwater potential zonation in a semi-arid region of western India. *Journal of Contaminant Hydrology*, 253, 104122. (NAAS Rating: 9.5)

Yadav, B., **Malav, L. C.**, Singh, S. V., Kharia, S. K., Yeasin, M., Singh, R. N., ... & Jha, P. K. (2023). Spatiotemporal responses of vegetation to hydroclimatic factors over arid and semi-arid climate. *Sustainability*, 15(21), 15191. (NAAS Rating: 9.3)

Daripa, A., Chattaraj, S., **Malav, L.**, Ray, P., Sharma, R., Mohekar, D. S., ... & Patil, N. G. (2023). Risk assessment of agricultural soils surrounding an iron ore mine: A field study from Western Ghat of Goa, India. *Soil and Sediment Contamination: An International Journal*, 32(5), 570-590. (NAAS Rating 7.5)

Jangir, A., Nogiya, M., Yadav, B. **Malav L. C.**, Moharana, P. C., Meena, R. L., Sharma, R. P., Tiwari, G., Dash, B., Naitam, R., Vasu, D., Mina, B. L. & Patil, N. G. (2026). Regional-scale predictive mapping of soil organic carbon in South Gujarat, India using machine learning algorithms. *Environmental Monitoring and Assessment*, 198, 325. (NAAS 9.60)

Nogiya, M., Moharana, P.C., Meena, R.L., Yadav, Brijesh, Jangir, A., **Malav, L.C.**, Sharma, R.P., Kumar, S., Meena, R.S., Sharma, G.K., Jena, R.K., Mina, B.L. and Patil, N.G. (2024) Spatial variability of soil variables using geostatistical approaches in the hot arid region of India. *Environ Earth Sci* 83, 432. (NAAS 9.30)

Total Publications (Peer-reviewed journals only)

International: 21

National: 11

Google Scholar link: <https://scholar.google.com/citations?user=hecs1kcAAAAJ&hl=en>

Research Gate link: <https://www.researchgate.net/profile/Lalchand-Malav>