

Name	Dr. VASUNDHARA.R			
Date of birth	01/12/1983			
Designation	Senior Scientist			
Qualification	Ph.D (Soil Science &Agricultural Chemistry)			
Email id	Vasundharagowda@gmail.com			
Educational Qualifications				
• Ph.D (Soil Science &Agricultural Chemistry), UAS Bengaluru (2018) • M.Sc (Soil Science &Agricultural Chemistry), UAS Dharwad (2006) • BSc (Agriculture) University of Agricultural Sciences, Bangalore (2004)				
Professional Experience				
• Senior scientist (RGP-9000) (2025 to till date) • Senior scientist (RGP-8000) (2022-2025) • Scientist (RGP-7000) (2016-2022) • Scientist (2009 to 2016)				
Research Areas				
• Land resource inventory and mapping • Land degradation assessment • Soil and water quality assessment • 4. Spectral assessment of soil properties				
International Experience –				
S.No	Country	Place and duration	Purpose	
1.	France	Le LISAH, Montpellier (March 2024)	Indo-French Visiting/Mobility Programme for Women in Science (PROWIS-II) supported by CEFIPRA	
Awards				
i Best paper awards – 6				
Honours/Recognitions				
Ten Best Research Papers along with NAAS Rating-2026				
No	Publications			NAAS rating
1	Vasundhara, R., Dharumarajan, S., Hegde, R. et al. Modeling Soil pH at regional scale using environmental covariates and machine learning algorithm. Environ Monit Assess 197, 799 (2025). https://doi.org/10.1007/s10661-025-14254-5			9.0
2	Vasundhara R., Rajendra Hegde, ; Dharumarajan S., (2024). Vertical Diversity of Soil Dehydrogenase and Phosphatase Activity under Coconut (Cocos nucifera L.) and Arecanut (Areca catechu L.) Plantations in Different Agro-climatic Zones of Karnataka, India. Eurasian Soil Science, 57:826-837.			7.4
3	Lagacherie, P., S Dharumarajan, R Vasundhara 2025	Using the farmers' knowledge on soils improves local digital soil mapping products: A case study in South India.	Geoderma 464, 117609. https://doi.org/10.1016/j.geoderma.2025.117609	12.6
4	S Dharumarajan*, C Gomez, CG Kusuma, R Vasundhara , B Kalaiselvi, M Lalitha, R Hegde. 2025.	Prediction of soil organic carbon stock along layers and profiles using Vis-NIR laboratory spectroscopy.	Catena https://doi.org/10.1016/j.catena.2025.109150	11.7
5	Dharumarajan, S., Gomez, C., Lalitha, Vasundhara, R. , Hegde, R., Patil. N.G. 2024. Assessing the utility of Munsell soil color in building and evaluating spectral models			8.4

	for soil clay content prediction, Soil Science Society of America Journal, 1–14. https://doi.org/10.1002/saj2.20692	
6	Dharumarajan, S., Gomez, C., Lalitha, M., Kalaiselvi, B., Vasundhara, R. , Hegde, R. 2023. Soil order knowledge as a driver in soil properties estimation from Vis-NIR spectral data – Case study from northern Karnataka (India). <i>Geoderma Regional</i> , 32, e00596. https://doi.org/10.1016/j.geodrs.2022.e00596	9.1
7	Kusuma, C.G., Dharumarajan, S*, Vasundhara, R. , Gomez, C., Manjunatha, M.H. and Hegde, R. (2025), Predicting Soil Nutrient Classes Using Vis–NIR Spectroscopy to Support Sustainable Farming Decisions. <i>Land Degrad Dev.</i> https://doi.org/10.1002/ldr.70007	9.7
8	Renuka, K.P., Dharumarajan, S., Lalitha, M. Vasundhara, R. Soil Property Prediction with Vis-NIR Spectroscopy in Different Depths: Testing the Robustness of Topsoil-Derived Models. <i>J Indian Soc Remote Sens</i> (2026). https://doi.org/10.1007/s12524-026-02518-7	8.1
9	Dharumarajan, S., Vasundhara, R. , Suputhra, A. et al. 2020. Prediction of Soil Depth in Karnataka Using Digital Soil Mapping Approach. <i>Journal of Indian Society of Remote Sensing</i> 48, 1593–1600 (2020). https://doi.org/10.1007/s12524-020-01184-7	8.1
10	Renuka, K.P., Dharumarajan, S., Lalitha, M. Vasundhara .R et al. Soil Property Prediction with Vis-NIR Spectroscopy in Different Depths: Testing the Robustness of Topsoil-Derived Models. <i>J Indian Soc Remote Sens</i> (2026). https://doi.org/10.1007/s12524-026-02518-7	9.1

Total Publications (Peer-reviewed journals only)

International: 25

National: 20

Google Scholar link: <https://scholar.google.co.in/citations?user=X88QOBgAAAAJ&hl=th>
 Research Gate link: https://www.researchgate.net/profile/Vasundhara-Ramakrishnappa?ev=hdr_xprf