

Name	Dr. R.P. Sharma	
Date of birth	01/07/1973	
Designation	Pr. Scientist (Soil Science)	
Qualification	Ph.D.	
Email id	rpsharma64@gmail.com , rp.sharma@icar.org.in	
Educational Qualifications		
Ph.D (Soil Science), MPUA&T, Udaipur (2008); M.Sc (Soil Science & Agriculture Chemistry), SKRAU, Bikaner (1999). B.Sc. (Ag.) Hons., SKRAU, Bikaner (1997).		
Professional Experience		
Position	Institute	Joining Date
Pr. Scientist	ICAR-NBSS&LUP Nagpur/ Udaipur	07.01.2023
Sr. Scientist	ICAR-NBSS&LUP, Nagpur/ Udaipur	07.01.2017
Scientist	ICAR-NBSS&LUP Nagpur/ Udaipur	05.04.2012
Scientist	ICAR-IIVR, SPC, Kushinagar	04.10.2011
Scientist	ICAR-IIVR, Varanasi	15.05.2008
Scientist	ICAR-NAARM, Hyderabad	07.01.2008
Sr. Tech. Assistant	ICAR-NBSS&LUP, Nagpur	04.08.2004
Technical Assistant	ICAR-NBSS&LUP, Nagpur	04.08.1999
Research Areas		
• Land Resource Inventory (LRI), Soil correlation, classification and mapping at 1:10K for Land Use Planning • Sustainable land use planning of arid and semi-arid agro ecosystems • Clay mineralogy and pedogenesis in arid and semi-arid regions of India • Digital and geospatial Soil Mapping • Integrated approaches of natural resource management		
International Experience: Nil		
Awards		
1. Best Paper award received for the paper entitled “Spatial Variability Assessment of Soil Fertility in Black Soils of Central India Using Geostatistical Modelling” presented in an the International Conference on “Soil and Water Resources Management for Climate Smart Agriculture, Global Food and Livelihood Security” jointly organized by Soil Conservation Society of India (SCSI), World Association of Soil and Water Conservation (WASWAC) and the International Soil Conservation Organization (ISCO) at NASC, Complex, New Delhi during 5-9 November, 2019. 2. Best Paper award received for the paper entitled “Soil moisture release behaviour and irrigation scheduling for Aravalli soils of Eastern Rajasthan Uplands” published by Journal of Soil and Water Conservation 13 (1), 58-67, Soil Conservation Society of India (SCSI), New Delhi in year 2014. 3. ICAR Fellowship during B.Sc. (Ag) Hon’s Programme from 1993-1999. 4. University Merit Fellowship during M. Sc. (Ag) Soil Science Programme from 1997-1999. 5. Gold Medal for being University topper in M. Sc. (Ag) Soil Science & Agricultural Chemistry in the year of 1999. 6. Received Dr. K. L. Totawat Award.		
Honours/Recognitions		

1.	LEADERSHIP AWARD 2019: Received the “Leadership Award-2019” for significant contribution in delineation of the extent of land degradation and status of wastelands in Rajasthan for soil and water conservation planning and development of soil carbon stock map of India by Soil Conservation Society of India (SCSI), New Delhi.
2.	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”.
3.	Professional Society Award: Member of Executive Council (Western Zone) 2014-2016, Indian Society of Soil Survey and Land Use Planning, Nagpur.

Ten Best Research Papers along with NAAS Rating-2026

S.No.	Publication	NAAS Rating
1.	Sharma RP , Chattaraj S, Jangir A, Tiwari G, Dash B, Daripa A, & Naitam RK (2022). Geospatial variability mapping of soil nutrients for site specific input optimization in a part of central India. <i>Agronomy Journal</i> , 1–11. https://doi.org/10.1002/agj2.21025	8.00
2.	Sharma RP , Chattaraj S, Vasu D, Karthikeyan K, Tiwary P, Naitam RK, Dash B, Tiwari G, Jangir A, Daripa A, Singh SK, Anantwar SG and Nimkar AM (2020) Spatial variability assessment of soil fertility in black soils of central India using geostatistical modeling. <i>Archives of Agronomy and Soil Science</i> , 67(7):876-888. DOI:10.1080/03650340.2020.1766678	7.80
3.	Sharma RP , Singh RS, Singh SK, Sharma SS (2019) Weathered basalt application for management of Vertisols: A traditional knowledge of groundnut (<i>Arachis hypogaea</i>) growers of Gujarat, India. <i>Indian Journal of Traditional Knowledge</i> , 18(4): 793-799.	6.00
4.	Sharma RP , Raja P and Bhaskar BP (2020) Pedogenesis and mineralogy of alluvial soils from semi-arid southeastern part of Rajasthan in Aravalli range, India. <i>Journal of the Geological Society of India</i> , 95 (1):59-66. DOI: 10.1007/s12594-020-1386-3	7.50
5.	Sharma RP , Singh RS, Singh SK (2019) Significance of clay minerals in development of alluvial soils of Aravalli range. <i>Indian Journal of Geo-Marine Sciences</i> , 48(11):1783-1795.	6.30
6.	Vasu, D., Tiwari, G., Sahoo, S., Dash, B., Jangir, A., Sharma, R.P. , Naitam, R., Tiwary, P., Karthikeyan, K., Chandran, P. (2021). A minimum data set of soil morphological properties for quantifying soil quality in coastal agroecosystems. <i>Catena</i> , 198:105042 https://doi.org/10.1016/j.catena.2020 .	11.70
7.	Yadav, B., Malav, L.C., Jiménez-Ballesta, R., Kumawat, C., Patra, A., Patel, A., Jangir, A., Nogiya, M., Meena, R.L., Moharana, P.C., Kumar, N., Sharma, R.P. , Yadav L.R., Reddy G.P.O. Mina, B.L. (2023) Modeling and Assessment of Land Degradation Vulnerability in Arid Ecosystem of Rajasthan Using Analytical Hierarchy Process and Geospatial Techniques. <i>Land</i> , 12, 106. https://doi.org/10.3390/land12010106	9.20
8.	Yadav, B.; Malav, L.C.; Singh, S.V.; Kharia, S.K.; Yeasin, M.; Singh, R.N.; Nogiya, M.; Meena, R.L.; Moharana, P.C.; Kumar, N.; Sharma, R.P. ; Reddy, G.P.O.; Mina, B.L.; Jha, P. K. (2023) Spatiotemporal Responses of Vegetation to Hydroclimatic Factors over Arid and Semi-arid Climate. <i>Sustainability</i> , 15, 15191. https://doi.org/10.3390/su152115191	9.30
9.	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. <i>Environmental Monitoring and Assessment</i> , 198, 325. https://doi.org/10.1007/s10661-026-15158-8 .	9.00

10.	Vasu, D., Tiwary, P., Sharma, R. P. , Tiwari, G., Dash, B., Naitam, R., Jangir, A., & Sahoo, S. (2026). Factors controlling soil organic and inorganic carbon vary with depth in a land use-climosequence. <i>Soil and Tillage Research</i> , 263, 107292. https://doi.org/10.1016/j.still.2026.107292	12.80
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Total Publications (Peer-reviewed journals only)

International: 18

National: 50

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

Research Gate link: <https://www.researchgate.net/profile/R-P-Sharma>