


Profile of Dr P.Raja

	Name: Dr P.Raja
	Designation: Principal Scientist (Soil Science)
	Date of Birth: 24.06.1963
	Area of Specialization: Carbon Sequestration-Climate Change - Global Warming and Greenhouse Gas Mitigation Studies- Soil-Water Conservation Measures-Pedology and Pedogenesis; Ecosystem Service functions of soil and water conservation technologies.
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Detail Profile

Education

Degree	Year of Completion	Awarding Institution/ University	Grade point/Rank
B. Sc., (Geology)	1984	Madras University	1 st class (Univ.Silver Medal) University II Rank with merit certificate
M. Sc., (Applied Geology)	1986	Bharathidasan University, Trichirappalli.	1 st class with Distinction, National Merit Scholarship. (Univ.Silver Medal) University II Rank with merit certificate
M. Phil (Geology)		Madras University Madras	1 st Class
Ph.D.	2001	RTM Nagpur University Nagpur	Awarded Merit Certificate and Medal for Outstanding Ph.D Research Thesis by Wahrulhar Foundation & All India Association of Ph.D

Professional History

Position	Year		Organization
	From	To	
Principal Scientist (Soil Science). Level 14	18.01.2023	Till date	ICAR-Indian Institute of Soil and Water Conservation, Research Centre, Sunabeda, Koraput, Odisha
Principal	22.03.2017	17.01.2023	ICAR-Indian Institute of Soil and Water

Scientist (Soil Science). Level 14			Conservation, Research Centre, Udhagamandalam, Tamilnadu
Senior Scientist (Soil Science) RGP 9000	30.11.2015	21.03.2017	ICAR-Indian Institute of Soil and Water Conservation, Research Centre, Udhagamandalam
Senior Scientist (Soil Science) RGP 9000	21.03.2014	28.11.2015	ICAR-Central Arid Zone Research Institute, Jodhpur
Senior Scientist (Soil Science) RGP 8000	26.06.2012	21.03.2014	ICAR-Central Arid Zone Research Institute, Jodhpur
Senior Scientist (Soil Science) RGP 8000	21.03.2011	25.06.2012	ICAR-Central Arid Zone Research Institute, Regional Research Station, Jaisalmer
Technical Officer T(9)	01.07.2001	20.03.2011	ICAR-National Bureau of Soil Survey & Land Use Planning, Nagpur
Technical Officer T(7-8)	01.07.1994	30.6.2001	ICAR-National Bureau of Soil Survey & Land Use Planning, Nagpur
Technical Officer T(6)	17.12.1988	30.6.1994	ICAR-National Bureau of Soil Survey & Land Use Planning, Nagpur

Publications (summary)

S. No.	Publication	Number
1	Research Publications	83
2	National	50
3	International	33
4	Books	
5	Authored	1
6	Edited	10
7	Book Chapters	20
8	Lead Papers	20
9	Radio talks	03
10	Technical/Research Reports/ Compilation / Bulletins	15
11	Extension Folders/leaf lets	13
12	Symposia/Workshop/Seminar Papers	70
13	Popular article	15
14	Professional Trainings attended	07
15	No. of training organized	12
16	Short duration sponsored training (Trained : 05)	05
17	Seminars/Symposia/Workshops/Summer or Winter School/ Organized (as a co-organizer/member)	10
18	External projects handled (PI / Co-PI)	9

Most important 5 Publications

1. **Raja, P.**, Nilendu Singh, Srinivas, C.V., Mohit Singhal, Pankaj Chauhan, Maharaj Singh and Sinha, N.K. (2017). Analysing energy–water exchange dynamics in the Thar desert. **Climate Dynamics**. Springer International Publishing, ISSN 0936-577X; DOI 10.1007/s00382-017-3804-9; **Impact factor (2020) 4.375; C085: NAAS Rating 10.38**). **Google Scholar Citations: 03**.
2. **P.Raja**, B.P.Bhaskar, U.Surendran, K.Rajan, Santosh Kumar Sarkar, D.B.Malpe, M.S.S.Nagaraju (2018). Pedogenesis of spatially associated red and black soils in Purna valley from semi arid region of Central India. Published online, Chemical Geology 483; pp. 174-190; Elsevier, 0009-2541. <https://doi.org/10.1016/j.chemgeo>; **(Impact factor (2020) 4.015; C060: NAAS Rating 10.015**. **Google Scholar Citations: 04**.
3. **P. Raja**, C. V. Srinivas, K. B. R. R. Hari Prasad, and Nilendu Singh (2016). Land Surface Processes Simulation over Thar Desert in Northwest India. **Pure and Applied Geophysics**. Springer International Publishing. V.173, (1) pp.1-20. DOI 10.1007/s00024-016-1246-7. ISSN: 0033-4553 (Print) 1420-9136 (Online). **(Impact factor (2020) 2.335; NAAS Rating 8.335)**. **Google Scholar Citations: 06**.
4. Hameed, A. **Raja, P.** Ali, M., Upreti, N., Kumar, N., Tripathi, J.K., Srivastava, P. (2017). Micromorphology, clay mineralogy, and geochemistry of calcic-soils from western Thar Desert: Implications for origin of palygorskite and southwestern monsoonal fluctuations over the last 30 ka. Published online, **CATENA**, Elsevier, ISSN: 0341-8162. DOI <https://doi.org/10.1016/j.catena.2017.12.034>. **(Impact factor (2020) 5.198; C029: NAAS Rating 11.198**. **Google Scholar Citations: 14**.
5. Surendran U., **Raja, P.**, Jayakumar, M. and Ramasubramoniam S. (2021). Use of efficient water saving techniques for production of rice in India under climate change scenario: A critical review. JCLP_127272. **Journal of Cleaner Production**. Elsevier Publisher. V.309; <https://doi.org/10.1016/j.jclepro.2021.127272> (**Impact factor: 9.297; NAAS Rating 15.297**). **Google Scholar Citations: 33**.

Google Scholar-Scopus and Researchgate Link

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Awards/Fellowships/Recognitions

S.No	Name of Award/ Professional Recognition	Awarding Agency	Year
21	Appreciation Award- Excellent Research Contribution	ICAR-IISWC,Dehradun	2023
20	Fellow of Clay Mineralogical Society of India	Clay Mineralogical Society (CMSI), New Delhi	2021
19	Dr. J.S.P. Yadav Memorial Award for Excellence in Soil Science -2021	Indian Society of Soil Science, New Delhi.	2021
18	Best paper Presentation Award-as a main author	National Web-Conference, AGMET, PAU, Ludhiana	2021

17	Member-Editorial Board (2018-2020)	Journal of Geosciences Research, GGS, Nagpur	2020
16	Best paper Presentation Award-as a main author	National Web-Conference, Academy of Natural Resource Conservation and Management (ANRCM), Lucknow	2020
15	Best paper Presentation Award-as a Co-author	National Web-Conference, Academy of Natural Resource Conservation and Management (ANRCM), Lucknow	2020
14	Chief Guest, DST Sponsored National Conference, Periyar University, Salem	Periyar University Salem	2020
13	Guest of Honour felicitation with Citation	Citizen Forum, TheNilgiris	2020
12	Best Paper Presentation Award	National Conference, AGMET-2020 at KAU, Thrissur	2020
11	Member-National Advisory Committee Indian National Groundwater Conference	CWRDM-KSCSTE, Calicut, Kerala	2020
10	Member-National Advisory Committee-National Seminar on Challenges in Ground water and other surface water resources in India	Gondwana Geological Society & PG Deptt. of Geology, Nagpur University, Nagpur	2019
09	Member-National Advisory Committee 5 th Joint International Conference on Environmental Sciences & Climate Change: Accomplishments, Plans and Challenges	University of Madras, Guindy Campus, Chennai & IPN Mexico	2019
08	Member-National Advisory Committee XXVI Indian Colloquium on Micropaleontology and Stratigraphy (ICMS - 2017)	University of Madras, Guindy Campus, Chennai	2017
07	Member-Board of Studies (Geology)	Gondwana University, Gadchiroli, Maharashtra.	2018-2022
06	B V Ramana Rao National Award	Association of Agrometeorologist Anand, Gujarat	2018
05	Member-Editorial Board	Gondwana Geological Magazine	2012-13
04	Best oral presentation (Winner)	Association of Agrometeorologist & GPAUT, Pantnagar	2014
03	Best oral presentation (Winner)	Association of Agrometeorologist & TNAU, Coimbatore	2016
02	Best oral presentation (Runner)	Association of Agrometeorologist & TNAU, Coimbatore	2016
01	Best oral presentation (Runner)	Association of Agrometeorologist & TNAU, Coimbatore	2016

Research Projects as PI (On-going)

1. “Partitioning of Evapotranspiration by Modelling of Water Budgeting and Assessment of CO₂ flux over Tea Plantation in Parts of Temperate Mountainous Ecosystem in Western Ghats, Tamil Nadu” (NRSC-ISRO Funded. Rs.70 lakhs.)
2. Study of Carbon Footprints from Agricultural Landuse System from temperate and tropical ecosystem Westernghats under climate change scenario (DST-CRG Funded Rs.51.04 lakhs)

Research Projects as PI (Concluded)

- 1.Evaluation and Improvement of Soil and Crop Productivity in a *Khadin* System of Arid Region. (CAZRI/T04/46), ICAR-CAZRI Institute Funded, Jodhpur)
- 2.Study of Atmospheric and Soil Carbon Dioxide Fluxes in Temperate Mountainous Ecosystem of Western Ghats with Reference to Climate Change Impact Assessment (NRSC-ISRO Funded. Rs.77.7 lakhs.)

Other important responsibility

1. Member-Board of Studies, Gondwana University, Gadchiroli, Maharashtra
2. Member-Advisory Editorial board, Journal of Geosciences Research, GGS, Nagpur