

Profile of Dr. M. Prabhavathi

	<p>Name: Dr. M. Prabhavathi Designation: Senior Scientist (Soil Science) Date of Birth: 02.06.1983 Area of Specialization: Soil fertility improvement, Watershed management and Remote sensing & GIS Email ID: prabha21may@gmail.com, prabhavathi.m@icar.gov.in ERP ID:08162 Mobile: +91-8123481237</p>
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Education

Degree	Year of Passing	University/Institution
Ph.D. (Soil Science & Agrl. Chemistry)	2019	Tamil Nadu Agricultural University, Coimbatore
M.Sc. (Soil Science & Agrl. Chemistry)	2007	Acharya N. G. Ranga Agricultural University, Guntur
B.Sc. (Agriculture.)	2004	Tamil Nadu Agricultural University, Coimbatore

Professional History

Position	Year	Organization
Senior Scientist	21.04.2019 to till date	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Ballari
Scientist	11.01.2011 to 20.04.2019	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Ballari
Scientist	29.08.2009 to 07.01.2011	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Agra
Scientist	21.4.2009 to 18.08.2009	ICAR- National Academy of Agricultural Research Management, Hyderabad

Publications (summary)

S. No.	Publication	Number
1	Research Publications	
	National	13
	International	1
	Edited	1
2	Book Chapters	1
3	Technical/Research Reports/ Compilation / Bulletins	6
4	Training Manual	1
5	Extension Folders/leaf lets	1
6	Symposia/Workshop/Seminar Papers	3
7	Popular article	2
8	Professional Trainings attended	6
9	Consultancy project handled (Leader in 0 & Associated in 5)	5

Most important 5 Publications

Velmurugan, R., Mahendran, P.P., Wani, S.P., Uttam, K and **M.Prabhavathi** (2013). Molybdenum status and critical limit in the soil for green gram (*Vigna radiata*) growing in Madurai and Sivagangai districts of Tamil Nadu, India. *Soil Science and Plant Nutrition*. Pp 229-236.

Kannan, P., Sankar, M and **M.Prabhavathi** (2010) Remote sensing and GIS for land use mapping and crop planning in Cauvery delta region of Tamil Nadu, India. *Indian J. of Soil Cons.* Vol. 38 (3) pp 199-204

Prabhavathi, M, Patil, S.L., and A.Raizada (2013). Assessment of soil fertility status for sustainable crop production in a watershed of semi-arid tropics in Southern India. *Indian J. of Soil Cons.* Vol. 41 (2) pp 151-157.

Prabhavathi, M, Adhikari, R.N., Raizada' A, Biswas' H, Mohan Kumar, P, Naik, B.S. and W. Muralidhar.2023. Identification of Soil Fertility Constraints using GIS for Sustainable Crop Production in the Watershed of Semi-arid Tropics. *Journal of Indian Society of Soil Science*.Vol. 71(2).pp 159-171.

Raizada, A., Adhikari, R.N,n Kumar, S., Patil, S.L., Ramajayam, D., **Prabhavathi, M**, Loganandhan, N., Mondal, B and W.Muralidhar.2018.Impact of assessment of watershed interventions under low rainfall situations in semi-arid Karnataka. *Indian J. of Soil Cons.* Vo.46(2) pp 1-8.

Google Scholar link

https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&tzom=-330&user=k9QzcFgAAAAJ

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	ICAR- JRF	ICAR	2005
2	IARI- SRF	IARI	2008
3	NABL Technical Assessor	NABL	2023

Research Projects:

Research Projects as PI (On-going):4

S. No	Project Title	Period
	Institute Funded Project-1	
1	Carbon sequestration potential of prevailing and recommended land uses in reclaimed degraded ecosystems under different agro-ecological regions of India.	2019-20 to till date
2.	Erosion –productivity relationships for evaluating vulnerability and resiliency of soils under different agro-climatic region	2011 to till date
3.	Regulated deficit irrigation and canopy architecture management	2017-2023

	for fig (<i>Ficus carica L.</i>) in semi-arid Vertisol	
4.	Effect of Natural farming practices on Resource conservation and productivity in different AERs of India	2021- till date

Research Projects as PI (Concluded):2

	Institute Funded	Period
1	Evaluating the effect of organic amendments on resource conservation and productivity of rainfed semi-arid Vertisols	2016-2017
2.	Effect of varying water regimes on Zn and N dynamics and rice productivity in saline Vertisols	2016-2019

	External Funded project (Co- PI)	
1	Refining methodologies for data validation, planning, monitoring and evaluation of watersheds	2016-2020

Other important responsibility

1. Acting Head, ICAR- IISWC, RC, Ballari from 03.04.2023 to till date
2. OIC -Central Lab, ICAR-IISWC, RC, Ballari from Dec, 2019 to till date.
3. Chairman of Women Welfare Cell from 2015 to till date
4. OIC (Stores) at ICAR-IISWC, RC, Ballari from 12.12.2019 to 27.10.2020.
5. Acted as CPIO at ICAR- IISWC, RC, Ballari from 2016-2019

Consultancies

Worked as a team member in six consultancies

1. Soil and Water Conservation treatment plan for Mincheri Reserve Forest
2. Soil and Water Conservation treatment plan for Tumbaragudi Reserve Forest
3. Soil and Water Conservation treatment plan for Ramanamalai Reserve Forest
4. Preparation of watershed development plan for micro-watershed within 10 km radius from Chitravathi pumped storage hydro-electric project in Andhra Pradesh.
5. Preparation of watershed development plan for micro-watershed within 10 km radius from Gandikota pumped storage hydro-electric project in Andhra Pradesh.