


Profile of Dr.S. MANIVANNAN

	<p>Name: Dr. S. MANIVANNAN Designation: Principal Scientist (Soil & Water Cons. Engg.) Date of Birth: 15-5-1973 Area of Specialization: Soil and Water Conservation Engineering Email ID : smaniicar1997@gmail.com; S.Manivannan@icar.gov.in ERP ID : 011204 Mobile : 91-9442109091 Phone (O): 0423-2444038 ; Fax (O) : 0423-2446757</p>
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Detail Profile

Education

Degree	Year of Passing	University / Institution
Ph.D.	2007	Tamil Nadu Agricultural University, Coimbatore
M.E. (Ag)	1997	Tamil Nadu Agricultural University, Coimbatore
B.E. (Ag)	1995	College of Agricultural Engineering Tamil Nadu Agricultural University, Coimbatore

Professional History

Position	Period	Organization
Principal Scientist	05/10/2013 to Till date	ICAR - IISWC, Research Centre, Udhagamandalam
Senior Scientist	02/12/2009 to 04/10/2013	ICAR - IISWC Research Centre, Udhagamandalam
Senior Scientist	05/10/2007 to 01/12/2009	ICAR – CCARI (ICAR RC), Old Goa
Scientist -Senior Scale	05/10/2004 to 04/10/2007	ICAR – CCARI (ICAR RC), Old Goa
Scientist	05/10/1998 to 04/10/2004	ICAR – CCARI (ICAR RC), Old Goa
Assistant Engineer	14/05/1998 to 30/09/1998	Agricultural Engg. Dept. Govt. Of Tamil Nadu
Senior Research Fellow	01/09/1997 to 13/05/1998	Water Technology Centre, Tamil Nadu Agricultural University

Publications (Summary)

S. No.	Publication	Number
1	Research Publications	28
1 (i)	National	24
1 (ii)	International	4

2	Books Edited	3
3	Book Chapters	5
4	Lead Papers	15
5	Radio and TV talks	20
6	Technical / Research Reports / Compilation / Bulletins	21
7	Extension Folders / leaf lets	6
8	Symposia/Workshop/Seminar Papers	36
9	Popular article	20
10	Professional Trainings attended	10
11	Consultancy project handled (Leader in 10 & Associated in 3)	13
12	No. of trainings organized	80
12(i)	Short duration sponsored training (Trained : 950 trainees)	35
12(ii)	B.Tech students Field Practical training- one to two months (No Students: 610)	45
13	Seminars / Symposia / Workshops / Summer or Winter School / Organized	9
14	External projects handled	4

Most important 5 Publications

1. **Manivannan.S**, OPS Khola, K Kannan and V Kasthuri Thilagam. 2021. Impact of Watershed Interventions on Biophysical and Ecosystem Services in Mettur Catchment of Tamil Nadu, India. Int.J.Curr.Microbiol.App.Sci (2021) 10(01): 2402-2418. <https://doi.org/10.20546/ijcmas.2021.1001.279>.
2. Mahajan, G. R., Das, B., **Manivannan, S.**, Manjunath, B. L., Verma, R. R., Desai, S., Kulkarni, R.M., Latore, A.M., Sale, R., Murgaonkar, D., Patel, K., Morajkar, S., Desai, A., Barnes, N., and Mulla, H. (2020). Soil and water conservation measures improve soil carbon sequestration and soil quality under cashews. International Journal of Sediment Research. <https://doi.org/10.1016/j.ijsrc.2020.07.009>.
3. **Manivannan.S.**, O P S Khola., K Kannan., P K Choudhury and V Kasthuri Thilagam (2018). Efficacy of open weave jute geotextiles in controlling soil erosion and its impact on hill slope stabilization. Indian Journal of Agricultural Sciences. 88 (5): 679-84.
4. **Manivannan.S** and A.K.Sikka (2013) Hydrological impact of bioengineering measures on Cashew plantations in Lateritic soils of Konkan region, Journal of Agricultural Engineering, Vol . 50(3):57-65.

5. **Manivannan.S**, K.Ramaswamy and R.Shanthi (2001). Predicting Runoff From Tank Catchments Using Green – Ampt and SCS Curve Number Models, Agricultural Engineering Journal, 10(1&2): 57 – 69. **(NAAS Rating : 4.43)**

Google Scholar link

<https://scholar.google.com/citations?user=9E4vbWIAAAAJ&hl=en>

Research Gate link

<https://www.researchgate.net/profile/Manivannan-Sandrasedkaran>

Awards/Fellowships/Recognitions

SL No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	Vasantrao Naik Award for outstanding research on dry land agriculture	Indian Council of Agricultural Research New Delhi, India	2009
2.	Commendation Medal	Indian Society of Agricultural Engineers	2020
3.	IASWC Fellow	Indian Association of Soil and Water Conservationists	2019
4.	National Fellow	Soil Conservation Society of India, New Delhi	2018
5.	Leadership Award	Soil Conservation Society of India, New Delhi	2017
6.	Distinguished Service Certificate Award	Indian Society of Agricultural Engineers , New Delhi	2016
7.	Fellowship granted to attend International short course on Data base management in meteorology & hydrology	Center for International cooperation, ISRAEL	2003
8.	Member, Disaster Management Committee, The Nilgiris District, Tamil Nadu	Government of Tamil Nadu	2017
9.	Member in committee constituted by NGT on environmental issues of Polavaram irrigation project.	National Green Tribunal, Principal Bench, New Delhi	2021
9.	Member in District Watershed Committee (South and North Goa Districts) of Watershed Development Project, Government of Goa	Govt. of Goa	2003-2009
10.	Member in District Nodal Agency (South and North Goa districts) of Watershed Development Project, Government of Goa	Govt. of Goa	2003-2009
10.	Member Secretary of Institute Management	Indian Council of	2001-2002

	Committee, ICAR Research Complex for Goa	Agricultural Research New Delhi, India	
11.	Member of Institute Management Committee, ICAR Research Complex for Goa	Indian Council of Agricultural Research New Delhi, India	2001-2003

Research Projects as PI (Concluded)

1. Development and evaluation of soil and water conservation measures and land use systems for sustainable crop production in Western Ghats of coastal region.
2. Hydrological investigations on soil and water conservation measures under cashew and mango land use systems.
3. Development and evaluation of soil and water conservation measures for sustainable production of major horticultural crops in Goa state.
4. Evaluation of multi-tier land use systems suitable for heavy rainfall and mid-altitude agro-ecological region.
5. Evaluation of low cost rain water harvesting structures for the compatibility and economic feasibility in Konkan Region.
6. Field evaluation of design of trenches under different agro-climatic regions
7. Enhancement in land productivity and livelihood security of small farmers of Nilgiris through multiple use of harvested water
8. Prototype field study on application of potentially important jute geo-textiles for hill slope stabilization

Research Projects as PI (On Going)

1. Valuation of ecosystem services from natural resources conservation and management interventions in different agro-ecological regions in India.

Consultancy projects completed as Team Leader

1. Study on soil conservation while undertaking soil remediation process in mercury contaminated site
2. Impact Evaluation Study of Watershed Programmes in Lower Bhawani Catchments Implemented under River Valley Project
3. Development of Water Management Strategy and Action Plan under the Tamil Nadu Biodiversity Conservation and Greening Project in Gudalur Forest Division of the Nilgiris
4. Development of Water Management Strategy and Action Plan under the Tamil Nadu Biodiversity Conservation and Greening Project in South Forest Division of the Nilgiris

5. Development of Water Management Strategy and Action Plan under the Tamil Nadu Biodiversity Conservation and Greening Project in North Forest Division of the Nilgiris
6. Impact Evaluation Study of ICRISAT Technologies Adopted Watershed Development Programmes in Kathari Watershed under Rainfed Mission Project in Tamil Nadu
7. Impact Evaluation Study of ICRISAT Technologies Adopted Watershed Development Programmes in Veppilaipatti Watershed under Rainfed Mission Project in Tamil Nadu
8. Impact evaluation of watershed development project in Barcem Watershed of Goa
9. Design and Installation of gauging stations in NWDPRRA model watersheds in Goa

Other important responsibility

1. President, Agricultural Research Service Scientist's Forum, New Delhi
2. Vice President (South Zone), Soil Conservation Society of India, New Delhi
3. Chairman, Tamil Nadu State Chapter of SCSI
4. Secretary, South Zone Chapter of IASWC, Dehradun