

## Profile of Dr.J.Somasundaram

**Name :** Dr. J. SOMASUNDARAM

**Designation :** Pr. Scientist (Soil Physics) &  
Officer-in-charge, AKMU

**Date of Birth :** 30.07.1974

**Education :** Ph.D. in Soil Science and Agricultural Chemistry

**Major research areas :** Vertisols management, soil and water conservation practices, land suitability evaluation, watershed management and conservation agriculture practices in rainfed region.

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### Educational details :

Degree	Year of Passing	University	Percentage of Marks
B.Sc.(Agri.)	May 1995	Annamalai University, Chidambaram (Tamil Nadu), India	75.20
M.Sc.(Agri.) Soil Science & Agril Chemistry	July 1998	Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu), India	93.70
Ph.D Soil Science & Agril Chemistry	Nov, 2001	Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu), India	95.30*

\* **Gold Medalist**

**Professional Experience:** I have more than 15 years of experience in research and training in the field of natural resource management/conservation agriculture supported by publication in peer reviewed journals, review papers, edited books and book chapters. I have good experience in guiding students as well as handling 12 projects (8 institute projects + 2 externally funded projects+ 2 consultancy projects) in the semi-arid regions of western and central India. Published more than 40 papers of national and international repute.

### Awards:

Best Thesis award: Awarded by TNAU, Coimbatore (Tamil Nadu) during 2001.

Best Research Award: Awarded by TNAU, Coimbatore (Tamil Nadu) during 2001.



### Ten best publications:

1. **Somasundaram, J.,** Sinha, N.K., Patra, A.K. and R. Lal. (2017). Managing Surface Cracks of Vertisols. **Encyclopedia of Soil Science**, Third Edition DOI: 10.1081/E-ESS3-120052915.
2. **Somasundaram, J.,** Singh, R.K., Prasad, S.N., Sethy, B.K., Kumar, A., Ramesh, K. and Lakaria B.L. (2011): Management of black Vertisols characterized by pot-holes in the Chambal region, India, **Soil Use and Management**, Vol27, 124–127 (doi:10.1111/j.1475-2743.2010.00321.x).
3. **Somasundaram, J.,** R.S. Chaudhary, BrijLalLakaria, R. Saha, N. K. Sinha, R.K. Singh, PramodJha, R. K. Singhand A. SubbaRao (2014). Pothole formation and occurrence in black Vertisols of central and western India. **Agricultural Research**, DOI: 10.1007/s40003-014-0098-6). (Springer publication).
4. **Somasundaram, J.,** Meena, H.R. Singh, R. K., Prasad, S.N and Parandiyal A K. (2011). Diagnosis of Micronutrient imbalance in Lime crop in semi-arid region of Rajasthan. **Communication in Soil Science and Plant Analysis**, Vol 42: 858–869 (doi: 10.1080/00103624.2011.552658).
5. **Somasundaram, J.,** Singh, R. K., Sethy, B.K., Parandiyal, A. K., Lakaria, B.L and Chaudhary R.S., Singh, R.K and Sinha, N.K. (2012) Soil aggregates influenced by different land uses under distinct landscapes of Chambal region, **Indian Journal of Soil Conservation**, Vol 40(3): 212-217.
6. **Somasundaram, J.,** Singh, R K., Parandiyal, A.K and Prasad, S.N (2009). Micronutrient Status of Soils Under Different Land Use Systems in Chambal Ravines, **Journal Indian Society of Soil Science**, Vol 57(3):307-312.
7. **Somasundaram, J,** B. L. Lakaria, R. Saha, N.K. Sinha, P. Jha, R. S. Chaudhary, R.K. Singh, D. Mandal , K.M.Hati, K. Ramesh, M. VassandaCoumar, A.K. Biswas, P. Dey, K. Sammi Reddy and A. SubbaRao. (2014). Management of Stressed Soils of Dryland Agriculture in Semi-Arid Tropics-A Review. **Indian Journal of Soil Conservation** , Vol 42 (2):184-187
8. **Somasundaram, J.,** Krishnasamy, R., Savithri, P., Satish Kumar, B., Behera, S.K., Arun Kumar, V., Chitdeswari, T and VassandaCoumar, M. (2011). Effect of sewage sludge application on accumulation of Cd, Cr, Ni and Pb in forage maize (*Zea mays* L.) **Agrochimica**, Vol. LV - No. 6: (November-December 2011), 332-354.
9. **Somasundaram, J.,** Krishnasamy R., and Savithri, P. (2005) Biotransfer of heavy metal in Jersey Cows. **Indian Journal of Animal Sciences**, Vol 75 (11):1257-1260.
10. **Somasundaram, J.,** Krishnasamy, R., Savithri, P., VassandaCoumar, M., Arunkumar, V., B. SatishKumar., Indirani, R., Maragatham, S., and Sivasubramaniam, K. (2014). Sewage sludge–coirpith pellets on dry matter yield and trace metal concentration of forage maize **Journal of Plant Nutrition**. DOI-10.1080/01904167.2016.1161774.

## Books Authored/Edited

- Somasundaram, J.**, Chaudhary, R.S. SubbaRao, A., Sinha, N.K. and Vasanda, Coumar (2014). Conservation Agriculture for carbon sequestration and sustaining soil health. New India Publications Agency, New Delhi. P. 1-528. (ISBN: 978-93-83305-32-2).
- Somasundaram, J.**, Chaudhary, R.S., Hati, K. M., Vassanda Coumar, M., Sinha, N.K., Jha, P., Ramesh, K., Neenu, S., Blaise, D., Saha, R., Ajay, Biswas, A.K., Maheswari, M., Rao, D.L.N., SubbaRao, A and Venkateswarlu, B. (2014). Conservation Agriculture for Enhancing Soil Health and Crop Productivity. Published by Indian Institute of Soil Science, Bhopal in collaboration with National Initiative on Climate Resilient Agriculture (NICRA), CRIDA, Hyderabad, 64 p.
- Prasad, S.N., Singh, R.K., Ashok Kumar, Parandiyal, A.K., Shakir Ali, **Somasundaram, J.**, Sethy, B. K. and V. N. Sharda. (2008) Natural Resource Management for Sustainable Development in Western India, Allied Publishers Private Ltd, New Delhi 1-263.
- Singh, R.K., Parandiyal, A.K. Ashok Kumar, Shakir Ali, **Somasundaram, J.** (2006) Conference abstract on 'Natural Resource management for sustainable Development in Western India' (NRMSD-2006) held at Pune 11-13 Oct 2006 Jointly organized by IASWC, CSWCRTI, Dehradun, CSWCRTI, RC, Kota and Dept of Soil Cons. and watershed Development, Govt. of Mahashtra, Pune 1-105.
- Prasad, S.N., Singh, R.K., Parandiyal, A.K., Ashok Kumar, Shakir Ali, **Somasundaram, J.** and Sethy, B. K. (2008). 50 Years research report on soil and water conservation of CSWCRTI, Research Centre, Kota 1-135.