

FACULTY RESEARCH PROFILE

1. Name	V.S.SARAVANAN				
2. Designation	Assistant Professor in Microbiology				
3. Address for communication with e mail & phone number	No. 7 Thambunaicker street Pondicherry 605001 E –mail vigsaran@gmail.com Ph. No. 9597953063				
4. Academic Qualifications	Degree	Subject	Grade/class	Year	University
	B.Sc.	Agriculture	First	1996	Tamil Nadu Agricultural University
	M.Sc.	Ag. Microbiology	First	1998	Tamil Nadu Agricultural University
	M. Phil.				
	Ph.D. Awarded/ registered	Ag. Microbiology	First	2004	Tamil Nadu Agricultural University
a) Title of the thesis	M.Phil:				
	Ph.D: An investigation on insoluble Zn and certain other insoluble compounds using <i>Gluconacetobacter diazotrophicus</i>				
5. Broad Area of Research	Soil microbiology & Bacterial taxonomy				

Research Experience

(i) Research papers published

Sl. No.	Title of the paper	Journal title & details	Impact factor
1	Madhaiyan, M. Poonguzhali, S., Saravanan V.S. and Kwon S.W. (2014) <i>Rhodanobacter glycinis</i> sp. nov., a yellow-pigmented gammaproteobacterium isolated from the rhizoplane of field-grown soybean.	Int. J. Sys. Evol. Microbiol. 64: 2023-2028	2.2
2	Manoharan Melvin Joe, V.S. Saravanan, Md. Rashedul Islam	J. Appl. Microbiol., 116: 408-23	2.1

	and Tongmin Sa (2013) Development of alginate-based aggregate inoculants of <i>Methylobacterium</i> sp. and <i>Azospirillum brasilense</i> tested under in vitro conditions to promote plant growth.		
3	Madhaiyan, M. Poonguzhali, S., Saravanan V.S. and Kwon S.W. (2014) <i>Rhodanobacter glycinis</i> sp. nov., a yellow-pigmented gammaproteobacterium isolated from the rhizosphere of field-grown soybean.	Int. J. Sys. Evol. Microbiol. 64: 2023-2028	2.2
3	Manoharan Melvin Joe, V.S. Saravanan, Md. Rashedul Islam and Tongmin Sa (2013) Development of alginate-based aggregate inoculants of <i>Methylobacterium</i> sp. and <i>Azospirillum brasilense</i> tested under in vitro conditions to promote plant growth.	J. Appl. Microbiol., 116: 408-23	2.1
4	R. Rajasankar, G. Manju Gayathry, A. Sathiavelu, C. Ramalingam and V.S. Saravanan (2013) Pesticide tolerant and phosphorus solubilizing <i>Pseudomonas</i> sp. strain SGRAJ09 isolated from pesticides treated <i>Achillea clavennae</i> rhizosphere soil.	Ecotoxicology 22:707-717. DOI: 10.1007/s10646-013-1062-0	2.3
5	M. Rohini-Kumar, Jabez W. Osborne and V. S. Saravanan (2013) Comparison of soil bacterial communities of <i>Pinus patula</i> of Nilgiris, Western Ghats with other biogeographically distant pine forest clone libraries	Microb. Ecol., 66:132-144 DOI 10.1007/s00248-012-0167-y	3.2
6	V.S. Saravanan, Madhaiyan, Jabez Osborne, M. Thangaraju T.M. Sa (2008) Ecological occurrence of <i>Gluconacetobacter diazotrophicus</i> and nitrogen-fixing Acetobacteraceae members: Their	Microb Ecol., 55: 130-140. doi: 10.1007/s00248-007-9258-6.	2.4

	possible role in plant growth promotion.		
7	V.S. Saravanan, J. Osborne, M. Madhaiyan, L. Mathew, J. Chung, K. Ahn, T. Sa (2007c) Zinc metal solubilization by <i>Gluconacetobacterdiazotrophicus</i> and induction of pleomorphic cells.	J. Microbiol. Biotechnol. 17: 1477-1488.	2.6
	V.S. Saravanan, P. Kalaiarasan, M. Madhaiyan and M. Thangaraju (2007b) Solubilization of insoluble zinc compounds by <i>Gluconacetobacterdiazotrophicus</i> and the detrimental action of zinc ion (Zn ²⁺) and zinc chelates on root knot nematode <i>Meloidogyne incognita</i> .	Lett. Appl. Microbiol., 44: 235-241. doi:10.1111/j.1472-765X.2006.02079.x	1.8
	V.S. Saravanan, Madhaiyan, M. and Thangaraju, M. (2007a) Solubilization of zinc compounds by the diazotrophic, plant growth promoting bacterium <i>Gluconacetobacterdiazotrophicus</i> .	Chemosphere, 66: 1794–1798. doi:10.1016/j.chemosphere.2006.07.067	2.4

(ii) Participation and presentation in Symposia/conferences/workshops

Sl. No.	Title	Details of the symposia/Conference
1	Participated in a training programme titled “Biocatalysts for Fuel and Chemicals from Biomass”	Council of Agriculture Research (ICAR) sponsored Centre for Advanced Faculty Training programme from 07th to 27th August 2014, a 21 days training programme conducted in Centre for Advanced Studies in Agricultural Microbiology, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, India.

(iii) Invited lectures visiting faculty

Sl. No.	Name of the Institution	Topic	Period (date)
1	Dept. of Agricultural Chemistry, Chungbuk National University, Cheongju, Republic of Korea	Culturing bacteria that evade culturing technique	9-12-2011 to 1-1-2012

