


BRIEF BIODATA

	Name: Shamsudheen Mangalassery		Year of birth: 1978
	Qualification: PhD (Soil Science)		
	Present position: Senior Scientist (Soil Science)		Contact address: ICAR-Directorate of Cashew Research, Puttur, Karnataka Phone: 7359907459 Email: shamsudheenm@gmail.com
Brief work experience	10-07-2017 to continuing	Senior Scientist	ICAR- Directorate of Cashew Research, Puttur, Karnataka
	08-01-2017 to 06-07-2017	Senior Scientist	ICAR-Central Arid Zone Research institute, Regional Research Station, Kukma, Bhuj, Gujarat
	19-07-2007 to 07-01-2017	Scientist	ICAR-Central Arid Zone Research institute, Regional Research Station, Kukma, Bhuj, Gujarat
	17-05-2007 to 16-07-2007	Scientist	ICAR-Central Arid Zone Research institute, Jodhpur, Rajasthan
	08-01-2007 to 07-05-2007	Scientist	ICAR-National Academy of Agricultural Research and Management, Rajendranagar, Hyderabad
Current areas of interest / research	Broad area: Soil and water management in cashew		
	Institute projects as PI	<ol style="list-style-type: none"> 1. Optimisation of mineral nutrition for cashew under high density planting 2. Development of nutrient management schedules for cashew based on leaf nutrient status 3. Carbon cycling, sequestration and nutrient dynamics in cashew orchards 	
	Externally funded project as PI	<ol style="list-style-type: none"> 1. Farmer participatory soil and plant health management – An attempt for improving livelihood of cashew farmers of coastal Karnataka, funded by RKVY-RAFTAAR, Govt of Karnataka (Rs. 1.89 Crores) 2. Utilization of cashew apple for new products and entrepreneurship development of rural women and 	

		youth in Karnataka for mitigating the effect of COVID-19, funded by RKVY-RAFTAAR, Govt of Karnataka (Rs. 57 lakhs)	
Publications	a.	Research papers	32
	b.	Seminar papers/abstracts	49
	c.	Books	3
	d.	Proceedings of conferences	1
	e.	Book chapters	27
	f.	Popular articles	10
	g.	Technical bulletins	9
	h.	Training manuals	4
	i.	Extension folders	28
	j.	Compendia	6
Representative research papers	<p>https://krishi.icar.gov.in/userprofile/Shamsudheen.M</p> <p>Mangalassery, S., Kalaivanan, D. and Philip, P.S. 2019. Effect of inorganic fertilizers and organic amendments on soil aggregation and biochemical characteristics in a weathered tropical soil. <i>Soil & Tillage Research</i> 187C, 144-151. https://doi.org/10.1016/j.still.2018.12.008</p> <p>Mangalassery, S., Rejani, R., Singh, V., Adiga, J.D., Kalaivanan, D., Rupa, T.R. and Philip, P.S. 2019. Impact of different irrigation regimes under varied planting density on growth, yield and economic return of cashew (<i>Anacardium occidentale</i> L.)." <i>Irrigation Science</i> 37:483-494. https://doi.org/10.1007/s00271-019-00625-7.</p> <p>Mangalassery, S., Devi Dayal., Kumar, A., Bhatt, K., Nakar, R., Kumar, A., Singh, J.P. and Misra, A.K. 2017. Pattern of salt accumulation and its impact on salinity tolerance in two halophyte grasses in extreme saline desert in India. <i>Indian Journal of Experimental Biology</i> 55,542-548. http://nopr.niscair.res.in/handle/123456789/42557</p> <p>Mangalassery, S., Sjögersten, S., Sparkes, D.L., Sturrock, C.J., Craigon, J. and Mooney, S.J. 2014. To what extent can zero tillage lead to a reduction in greenhouse gas emissions from temperate soils?. <i>Nature- Scientific Reports</i> 4, 4586, 1-8. https://www.nature.com/articles/srep04586</p> <p>Mangalassery, S., Sjögersten, S., Sparkes, D.L., Sturrock, C.J., Mooney, S.J., 2013. The effect of soil aggregate size on pore structure and its consequence on emission of greenhouse gases. <i>Soil and Tillage Research</i> 132, 39-46. https://doi.org/10.1016/j.still.2013.05.003</p> <p>Mangalassery, S., Mooney, S. J., Sparkes, D. L., Fraser, W. T., & Sjögersten, S. 2015. Impacts of zero tillage on soil enzyme activities, microbial characteristics and organic matter functional</p>		

	<p>chemistry in temperate soils. <i>European Journal of Soil Biology</i>, 68, 9-17. https://doi.org/10.1016/j.ejsobi.2015.03.001</p> <p>Mangalassery, S., Sjögersten, S., Sparkes, D. L., and Mooney, S. J. 2015. Examining the potential for climate change mitigation from zero tillage. <i>The Journal of Agricultural Science-Cambridge</i>, 153(7), 1151–1173. https://doi.org/10.1017/S0021859614001002</p> <p>Mangalassery, S., Devi Dayal., Meena, S.L. and Ram, B. 2014. Carbon sequestration in agroforestry and pasture systems in arid northwestern India. <i>Current Science</i> 107(8), 1290-1293.</p>
Visits abroad	<ul style="list-style-type: none"> ➤ United Kingdom ➤ Italy
Awards received	<ul style="list-style-type: none"> ➤ ICAR Junior Research Fellowship 2001-03. ➤ ICAR International Fellowship 2009. ➤ Research Excellence Scholarship of the University of Nottingham, UK 2009-10 for PhD studies at University of Nottingham, UK (2010-2013). ➤ Member of International Soil Tillage Research Organisation, Netherlands. ➤ Laming Post Graduate Travel Award, University of Nottingham, UK. ➤ Travel grant for International Conference, British Society of Soil Science, Bedfordshire, UK. ➤ Graduate School Travel Price, University of Nottingham, UK. ➤ Distinguished Scientist Award 2018 of the Agro Environmental Development Society, Rampur, UP, India ➤ First position in oral presentation in the International conference on emerging issues in agricultural, environmental and applied sciences for sustainable development (EIAEASSD-218) at Sam Higginbottom University of Agriculture, Technology and Sciences (SHUATS), Allahabad, UP, during 27-29 November 2018.
Others	<ul style="list-style-type: none"> ➤ Recognised PG teacher at University of Agricultural and Horticultural Sciences (UAHS), Shivamogga and University of Horticultural Sciences (UHS), Bagalkot.