



Personal Information

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Mobile No.	:	8900911375
Qualification	:	Ph.D
Discipline and specialization	:	Soil Science Soil chemistry/fertility/microbiology
Training/ advance exposure (5-6 lines only)	:	<ul style="list-style-type: none"> ➤ Crop Simulation Modelling ➤ Remote Sensing & GIS

Professional Information

Major Contributions	:	<ul style="list-style-type: none"> ➤ Soil crop mapping of Andaman & Nicobar Islands ➤ Delineation of tsunami affected areas of Andaman Islands, Characterisation of soils and water of tsunami affected areas of Andaman islands ➤ Rehabilitation of tsunami affected areas of Andaman Islands ➤ Baseline information on pesticide residues in agricultural produce (vegetables) of Andaman Islands ➤ Technology for managing acid soils with coconut husk in low input agricultural system ➤ Developing site specific farming system models for Andaman & Nicobar Islands ➤ Farming system characterisation of Andaman & Nicobar Islands ➤ Utilisation of native biotic resources for enhancing crop production and nutritional quality ➤ Technology for composting of rice straw with pig slurry & chicken waste ➤ Technology for Extraction of humic substances from rice straw, seaweed, fish waste composts ➤ Technology for dual extraction of alginate and liquid fertilizer from seaweeds ➤ Assessing Carbon foot print in different land uses of Andaman & Nicobar Islands
Current area of research	:	<ul style="list-style-type: none"> ➤ Organic farming, natural farming

<p>Major Publications (10)</p>	<p>:</p>	<ol style="list-style-type: none"> 1. Swarnam,T.P., Velmurugan, A., Subramani, T., N. Ravisankar, Subash, N., Pawar, A.S., Perumal, P., Jaisankar, I. and Dam Roy,S. 2024. Climate smart crop-livestock integrated farming as a sustainable agricultural strategy for humid tropical islands. <i>International Journal of Agricultural Sustainability</i>, 22 (1), 2298189. DOI: 10.1080/1435903.2023.2298189 2. Swarnam,T.P., Velmurugan, A., Jaisankar, I.,S.K.Pandey, Pawar, A.S. and N. Ravisankar (2024). The role of traditional knowledge in climate change adaptation among the Nicobarese of Central Nicobar Islands, India. <i>Indian Journal of Traditional Knowledge</i> Vol 23(1), January 2024, pp 6-15 3. A. Velmurugan, T. P. Swarnam, D. Burman, S. Mandal and T. Subramani (2024).Climate-smart land management methods for enhancing the adaptive capacity of food production systems in the tropical regions. <i>Current science</i>, vol. 126 (6), 25 march 2024 4. T. P. Swarnam, A. Velmurugan, Sirisha Adamala, V. Shajeeda Banu, G. Kavitha, N. V. Laxmi (2024). Valorization of Rice Straw with Seaweed and Fish Waste for the Extraction of High-Value Humic Substances. <i>Waste and Biomass Valorization</i> https://doi.org/10.1007/s12649-024-02619-9 5. Swarnam, T.P., Velmurugan, A., Pandey, S.K. and Dam Roy, S. (2016). Enhancing nutrient recovery and compost maturity of coconut husk by vermicomposting technology, <i>Bioresource Technology</i>, 207:76–84. 6. Swarnam, T.P., Velmurugan, A., T.Subramani, M.S.Kundu, R.kirubasankar, AwnindraK.Singh, I.Jaisankar and S.Dam Roy (2016). Agrobiodiversity management in integrated farming system for food and nutritional security. <i>Vegetos</i>, 29:9-13
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		<p>7. Swarnam, T.P., and Velmurugan, A. (2012). Pesticide residues in vegetable samples from the Andaman Islands, India. <i>Environmental Monitoring and Assessment</i>.185:6119–6127.</p> <p>8. Swarnam, T.P., and Velmurugan, A. (2014). Evaluation of coconut wastes as an amendment to acid soils in low input agricultural system. <i>Communications in Soil Science and Plant Analysis</i>. 45:1–12</p> <p>9. Velmurugan, A., Swarnam, T.P. and Rattan Lal, (2015). Effect of land shaping on soil properties and crop yield in tsunami inundated coastal soils of Southern Andaman Island. <i>Agriculture, Ecosystems and Environment</i>, 206:1–9.</p> <p>10. Velmurugan, A. Sirisha Adamala and Swarnam T.P. (2021). Post-tsunami land degradation on a South Asian Island: Implications for conservation priorities. <i>Land Degradation and Development</i>, 32(14): 4018-4032.</p>
Awards and Fellowships (ICAR/Recognition society awards)	:	<p>I. Rajendra Prasad Prushkar Award for Best technical publication– 2016</p> <p>II. Fakrudin Ali Ahmed Award for Best Research in Tribal Farming Systems -2017</p> <p>III. Fellow, Andaman Science Association -2016</p> <p>IV. Women Scientist Award –2016, Crop Science Society, Meerut</p>