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| Qualification | : | Ph. D. |
| Discipline and specialization | : | Agronomy Integrated Farming Systems, Cropping Systems, Organic Farming, Natural Farming |

Professional Information

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| Major Contributions | : | <ol style="list-style-type: none"> 1. Studied, refined and documented 42 farming systems in 19 states through multi-location study on "Diversification of existing farming systems in marginal households" and On-farm evaluation of farming system modules for improving profitability and livelihood of small and marginal farmers. Documented 81 success stories of farming systems research by involving 23 SAU's. Data of multi-location experiments of "On-farm nutrient response of pre-dominant cropping systems" conducted from 1999-2000 to 2009-10 in 39 cropping systems covering 96 districts in 20 states have been synthesized, documented and published (National PI, On-Farm Research, AICRP on Integrated Farming Systems, ICAR-IIFSR, Modipuram). 2. Studied the different production systems (organic, towards organic and inorganic), evaluated varieties, three Integrated Organic Farming System models in multi locations with the involvement of 10 State Agricultural Universities and 6 ICAR institutes. Documented the package of practices for organic production of 69 cropping systems suitable to 14 states. Documented packages are uploaded in DAC&FW website, Ministry of Agriculture & Farmers Welfare for utilization in two government schemes namely Parambaraghat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development (MOVCD-NEH) (National PI, All India Network Programme on Organic Farming, ICAR-IIFSR, Modipuram). 3. Broad Bed and Furrow (BBF) technology for growing rice, vegetables, fodder and fish together in waterlogged areas of Islands developed. Demonstrated to the Island farmers through Farmers Participatory Action Research Programme (FPARP) Phase I and II of Ministry of Water Resources, Government of India, New Delhi and NAIP project on "Strategies for sustainable management of degraded coastal land and water for enhancing livelihood security of farming community. Success story included in coffee table book Harvest of hope published by Ministry of Agriculture, GOI in 2010. Technology included in Kisan Card Credit (KCC) scheme by NABARD, Port Blair (PI, AP Cess, ICAR-CIARI, Port |
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| | | <p>Blair)</p> <p>4. IFS model for 4 micro farming viz., hilly, slopping hilly, medium upland valley and low-lying valley areas of A&N Islands developed and popularized through farmer participatory approach. Composition of IFS are Hilly [Plantation crops (84 %) + Cattle (13 %) + Backyard Poultry (3 %)]; Slopping hilly [Crop (71 %) + Cattle (13 %) + Goat (10 %) + (Fish +Poultry+Duckery) (5 %) +Backyard Poultry (1 %)]; Medium upland valley [Cattle (66 %) + (Fish + Poultry + Duckery) (23 %) + Crop (9 %) + Backyard poultry (2 %)]; Low-lying valley [Cattle (53 %) + Crop (35 %) + (Fish + Poultry + Duckery) (9 %) + Backyard Poultry (3 %)]. Two success stories published in Coffee Table book Harvest of hope: A tribute to the farmers of India, Published by Ministry of Agriculture, Gol, New Delhi (PI, AP Cess, ICAR-CIARI, Port Blair)</p> <p>5. Developed Integrated technological package for restoration of livelihood in the Tsunami affected areas of Andaman and Nicobar Islands through funding from Department of Bio-Technology (DBT), Government of India. Two success stories namely Harvesting Happiness, Success story of Water user Association, Mr Kartick Das, Manjery Village, A & N Islands and Sea change, Success story of Water user Association, Mrs Sabita Singh, Guptapara Village, A & N Islands were published in Coffee Table Book Harvest of hope: A tribute to the farmers of India, Published by Ministry of Agriculture, GOI, New Delhi during 2010 (Co-PI, DBT, ICAR-CIARI, Port Blair)</p> |
| Current area of research | : | <p>Integrated Farming Systems</p> <p>Cropping Systems</p> <p>Organic Farming</p> <p>Natural Farming</p> |
| Major Publications (10) | : | <ol style="list-style-type: none"> 1. Selected Research Papers 2. Aulakh, C.S. and N. Ravisankar.2017. Organic farming in Indian context: A perspective, <i>Agricultural Research Journal</i> 54 (2):149-164 3. Debashis dutta, D.K. Singh, N. Subash, N. Ravisankar, Vinod kumar, A.L. Meena, R.P. Mishra, Shweta singh, Vaibhav kumar and A.S. Panwar. 2018. Effect of long-term use of organic, inorganic and integrated management practices on carbon sequestration and soil carbon pools in different cropping systems in Tarai region of Kumayun hills, <i>Indian Journal of Agricultural Sciences</i> 88 (4):9-15 4. Gangwar B, Ravisankar N. and Kamta Prasad.2012. Agronomic research on cropping systems in India, <i>Indian Journal of Agronomy</i> 57(Special issue): 171-181 5. Gangwar, B., N. Subash and N. Ravisankar. 2016. Farming system approach to meet the challenges from extreme weather, <i>Mausam</i> 67 (1): 15-26 6. Jat, N.K., R.S. Yadav, Sudhir Kumar, N. Ravisankar and M. Shamim.2018. Evaluation of nutrient management practices under different cropping systems in north western Indo-Gangetic plains of India, <i>Annals of Plant and Soil Research</i> 20(4): 409-415 7. Panwar A. S., M. Shamim, Subhash Babu, N. Ravisankar, Ashisa Kumar Prusty, N. M. Alam, D. K. Singh, J. S. Bindhu, Jashanjot Kaur, L. N. Dashora, M. D. Latheef Pasha, Soumitra Chaterjee, M. T. Sanjay and L. J. Desai.2019. Enhancement in Productivity, Nutrients Use Efficiency, and Economics of Rice-Wheat Cropping Systems in India through Farmer's Participatory Approach, <i>Sustainability</i>, 11 (122): 1-26 8. Panwar, A.S., M. Shamim and N. Ravisankar.2018. Influence of inter-annual rainfall variation on nutrient recycling and sustainability of integrated farming systems in different agro-ecosystems, <i>Indian Journal</i> |

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| | <p><i>of Fertilizers</i> 14 (2): 16-24</p> <ol style="list-style-type: none"> 9. Paramesh V., N. Ravisankar, Bappa Das, K. Viswanatha Reddy and Narendra Pratap Singh.2017. Energy Budgeting and Sensitivity Analysis of Rice (<i>Oryza sativa</i>) – Wheat (<i>Triticum aestivum</i>) Cropping System in Indo-gangetic Plains of India, <i>International Journal of Current Microbiology and Applied Sciences</i> 6(3):1534-1544 10. Raghuvveer Singh, N. Ravisankar and Kamta Prasad.2017. Improvement in productivity and economics of major food production systems of India through balanced dose of nutrients, <i>Current Science</i> 112 (12):2470-2474 11. Ravisankar, N., B. Chandrasekaran, R. Raja, M. Din and S. Ghoshal Chaudhuri.2008. Influence of integrated weed management practices on productivity and profitability of wet seeded rice (<i>Oryza sativa</i>), <i>Indian Journal of Agronomy</i> 53 (1):57-61 12. Ravisankar, N., A.K. Nair, S.C. Pramanik, R. Dinesh and S. Ghoshal Chaudhuri.2003. Effect of controlled release nitrogen on growth, yield, economics and energetics of medium-duration 'Mansarovar' rice (<i>Oryza sativa</i>) under lowland condition, <i>Indian Journal of Agricultural Sciences</i> 73 (5): 289-290 13. Ravisankar, N., R. Raja, M. Din, R. Elanchezhian, T.P. Swarnam , P.S Deshmukh and S. Ghoshal Chaudhuri.2008. Influence of varieties and crop establishment methods on production potential, economics and energetic of Wet seeded rice (<i>Oryza sativa</i> L.) under Island ecosystem <i>Indian Journal of Agricultural Sciences</i> 78(9): 808-810. 14. Ravisankar, N., S. C. Pramanik, R. B. Rai, Shakila Nawaz, Tapan Kr. Biswas and Nabisat Bibi.2007. Study on Integrated Farming System in hilly upland areas of Bay Islands, <i>Indian Journal of Agronomy</i> 52 (1):7-10 15. Ravisankar, N., M. Balakrishnan, S. Ghoshal Chaudhuri, S.K. Ambast, R.C. Srivastava, T. Subramani and N. Bommayasamy.2010. Evaluation of time, method of sowing and varieties for table purpose groundnut (<i>Arachis hypogaea</i>) under Island ecosystem, <i>Indian Journal of Agricultural Sciences</i> 80 (4):299-303 16. Ravisankar, N., A.S. Panwar, M. Shamim and A.K. Prusty. 2018. Nutrient management in different farming systems, <i>Indian Journal of Fertilizers</i>, 14 (12):96-102 17. Ravisankar, N., B. Gangwar and Kamta Prasad.2014. Influence of balanced fertilization on productivity and nutrient use efficiency of cereal based cropping systems, <i>Indian Journal of Agricultural Sciences</i> 84 (2):248-254 18. Ravisankar, N., M. Balakrishnan, S.K. Ambast, R.C. Srivastava, N. Bommayasamy and T.Subramani.2014. Influence of irrigation and crop residue mulching on yield and water productivity of table purpose groundnut (<i>Arachis hypogaea</i>) in humid tropical Island, <i>Legume Research</i> 37 (2):189-194 19. Ravisankar, N., R. Raja, M. Din, R. Elanchezhian and S. Ghoshal Chaudhuri.2007. Response of rice (<i>Oryza sativa</i>) varieties and super rice cultures to anaerobic wet seeding in Bay Islands, <i>Indian Journal of Agricultural Sciences</i> 77(1): 14 –17 20. Ravisankar, N., Raghuvveer Singh, A.S. Panwar, M. Shamim and A.K. Prusty.2020. Comparative performance of different production systems with respect to yield, income and sustainability, <i>Indian Journal of Fertilizers</i> 16 (4): 368-375 21. Ravisankar, N., S.C. Pramanik, R.B. Rai, Shakila Nawaz, Tapan Kr, Biswas and Nabisat Bibi.2006. Study on Integrated Farming System (IFS) for Low-lying valley areas of Bay Islands, <i>Indian Journal of Fertilizers</i> 2 (7): 49-51 |
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| | <ol style="list-style-type: none"> 22. Ruma Das, T.J. Purakayastha Debarup Das, Nayan Ahmed, Rahul Kumar, Sunanda Biswas, S.S. Walia, Rohitashav Singh, V.K. Shukla, M.S. Yadava, N. Ravisankar and S.C. Datta.2019. Long-term fertilization and manuring with different organics alter stability of carbon in clay-humus complex in soils of varying clay mineralogy, <i>Science of the Total Environment</i> 684: 682-693 23. Swarnam, T.P., A. Velmurugan, N. Ravisankar, I. Jaisankar and A.K. Singh.2017. Environmental change resilience in agriculture through farm diversification, <i>Trends in Biosciences</i>, 10 (48):9641-9645 24. Venkatesh Paramesh, G.B. Sreekanth, Eaknath. B. Chakurkar, H.B. Chetan Kumar, P.P. Gokuldas, K.K. Manohara, Gopal Ramdas Mahajan, R.S., Rajkumar, N. Ravisankar, A. S. Panwar .2020. Ecosystem Network Analysis in a Smallholder Integrated Crop-Livestock System for Coastal Lowland Situation in Tropical Humid Conditions of India, <i>Sustainability</i> 2020, 12, 5017; doi:10.3390 /su12125017 25. Venkatesh Paramesha, Ranjan Parajulib, E.B. Chakurkara, G.B. Sreekantha, H.B. Chetan Kumara, P.P. Gokuldasa, Gopal. R. Mahajana, K.K. Manoharaa, Viswanatha Reddy, K. and N. Ravisankar .2019. Sustainability, energy budgeting, and life cycle assessment of crop-dairy-fish-poultry mixed farming system for coastal lowlands under humid tropic condition of India, <i>Energy</i>, 188:116101 26. Vinay Prasad Mandal, N. Ravisankar, B. Gangwar, N. Subash, M. Shamim, Brij Mohan, Sujay Dutta, K.R. Manhunath and J.S. Parihar .2019. Methodology for Early Estimation of Sugarcane Area of Uttar Pradesh using Remote Sensing and Ground truth Tools, <i>Journal of Agrometeorology</i>, 21 (Special issue-NASA-2014, Part –III), 97-103 |
| <p>Awards and Fellowships (ICAR/Recognition society awards)</p> | <ol style="list-style-type: none"> 1. Best Oral Presentation Award for the paper on “Integrated farming systems of foot hills of Jammu for sustaining production and productivity- An exploratory study (Kohima Noopur, N. Ravisankar, M.A. Ansari, M. Shamim, A.K. Prusty, N.P. Thakur, A.K. Gupta, Vijay Khajuria, Anil Kumar and Purushottam Kumar)’ in International Extension Education Congress-2023 (18-20 December 2023) 2. Best Poster presentation award for paper entitled, “Integrated Farming Systems as a tool for sustainable agriculture in Gangetic plains of India” in National Symposium on “Climate Smart Agronomy for Resilient Production Systems and Livelihood Security” 3. Best Oral Presentation (First) Award in the second Indian Horticulture Summit-2022 4. Best oral presentation award for “Role of integration of pisciculture in agri-food systems” Authored by A. K. Prusty, N. Ravisankar, Poonam Kashyap, M. Shamim et al. 5. ICAR-IIFSR-34th Foundation Day Award for Best Research Paper for the research paper (Ravisankar, N., Ansari, M.A.*, Shamim, M., Prusty, A.K., Singh, R., Panwar, A.S., Dutta, D., Bhaskar, S., Bindhu, J.S., Sanjay, M.T., Kaur, J., Varghese, C., Dash, S., Bhowmik, A., Bal., S.K. 2022. Sustainable livelihood security of small farmers improved through resilient farming systems in the Semarid region of India, <i>Land degradation and development</i> 33: 2830-2842 6. ICAR-IIFSR-34th Foundation Day Award for Best Research Division/Section to Project Coordination Unit 7. International Potash Institute-Fertilizer Association of India (IPI-FAI) award 2021 for promoting balanced and Integrated Fertilizer Use with emphasis on Potassium (Citation, Gold Medal, and Rs 2 Lakhs) 8. Fellow 2015, Indian Society of Agronomy 9. Dhuru Moraji Memorial Award for best article in Agricultural Sciences, |

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| | <p>2017-18, Fertilizer Association of India</p> <ol style="list-style-type: none"> 10. Member, Institute Management Committee, ICAR-Indian Institute of Soil Science, Bhopal 11. Best Poster (second) award in the XXI National Symposium of Indian Society of Agronomy, 2018 12. Member, Paper review committee for Asia and Africa in Organic World Congress, 2017 held in New Delhi, India 13. Reviewer Excellence Award 2016 of Agricultural Research Communication Centre 14. Focal Point expert of India for SAARC expert consultation "Status and future prospect of organic agriculture for safe food security in SAARC countries", 2015 15. Appreciation Certificate, 2015 from Director, ICAR-Indian Institute of Farming Systems Research, Modipuram, Meerut 16. Dhiru Moraji Memorial Award for best article in Agricultural Sciences, 2012-13, Fertilizer Association of India 17. First Prize for Best Poster Presentation 2011 (Land management techniques for minimizing rain related production losses of pulses and vegetables in Island ecosystem), International Conference on Tropical Island Ecosystems: Issues related to livelihood, sustainable development and climate change, Professional Society, Andaman Science Association, Port Blair, India 18. Chairman, State level (Andaman and Nicobar Islands) Best Farmer selection committee for Island Tourism Festival of A&N Island Administration, 2009 to 2011 19. Best Paper Presentation Award 2007 (Potential and Prospects of Natural Resources of Bay Islands), 9th Indian Agricultural Scientists & Farmers Congress, Professional Society, Bioved Research & Communication Centre, Allahabad, India 20. Best Poster Paper Award 2007 (Impact of Tsunami on soil and water resources of Andaman and Nicobar Islands), 10th Inter regional conference on water & environment (ENVIROWAT2007), Professional Society, Indian Society of Water Management, New Delhi, India 21. Appreciation Certificate, 2005 from Director, ICAR-Central Island Agricultural Research Institute, Port Blair, Andaman and Nicobar Islands 22. Dr. K.K. Subbaiah Award for Best Ph.D Thesis in Rice Agronomy, Tamil Nadu Agricultural University, Coimbatore, 2002 <p>➤ Indian Overseas Bank prize for Best student in M.Sc (Agronomy), 1997, Tamil Nadu Agricultural University, Coimbatore</p> |
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