


<p>Dr. N. Ravisankar Principal Scientist</p> <p>Email : n.ravisankar@icar.gov.in ifsofr@gmail.com</p> <p>Mobile :+91-8410020345</p>	
<p>Qualification</p>	<p>Ph. D</p>
<p>Specialization</p>	<p>Agronomy</p>
<p>Area of interest</p>	<p>Integrated Farming Systems, Organic Farming, Cropping Systems and Natural Resource Management in Coastal ecosystem</p>
<p>Experience profile</p>	<ul style="list-style-type: none"> • Joined ARS on 5th October 1998 • Scientist at ICAR-CIARI, Port Blair from 5th October 1998 to 29th October 2002 • Scientist (Senior Scale) at ICAR-CIARI, Port Blair from 30th October 2002 to 4th October 2007 • Senior Scientist at ICAR-CIARI, Port Blair from 5th October 2007 to 29th May 2011 • Principal Scientist at ICAR-IIFSR, Modipuram from 30th May 2011 to till date
<p>Total Publications</p>	<p>362</p>
<p>Total Peer reviewed NAAS rated Research and Review Papers</p>	<p>89 (>6 NAAS rating: 29, First Author: 20)</p>
<p>Selected publications (maximum 20)</p>	<ol style="list-style-type: none"> 1. Aulakh, C.S. and N. Ravisankar.2017. Organic farming in Indian context: A perspective <i>Agricultural Research Journal</i> 54 (2):149-164 (NAAS: 4.71, Reads: 12,021 as on 20 November 2020) 2. Balakrishnan, M., N. Ravisankar, T. P. Swarnam and M. Din.2010. Influence of Prickly sesban (<i>Sesbania cannabina</i>) intercropping in wet seeded rice (<i>Oryza sativa</i>) on productivity, profitability, energetics and nitrogen balance under island ecosystem, <i>Indian Journal of Agricultural Sciences</i> 80 (1):21-23 (NAAS: 6.25) 3. 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, *Sustainability*, **11** (122): 1-26 (NAAS: 8.59)
4. Panwar, A.S., **N. Ravisankar**, Raghuveer Singh, A.K. Prusty, M. Shamim, D. Tripathi and Brij Mohan.2019. AICRP on Integrated Farming Systems: Salient Achievements and Future Directions, *Indian Journal of Fertilizers*, **15** (4):338-353 (NAAS: 2.80)
 5. Raghuveer Singh, **N. Ravisankar** and Kamta Prasad.2017. Improvement in productivity and economics of major food production systems of India through balanced dose of nutrients, *Current Science* **112** (12):2470-2474 (NAAS: 6.76)
 6. Raja, R., S. Ghoshal Chaudhuri, **N. Ravisankar**, T.P. Swarnam, V. Jayakumar and R.C. Srivastava.2009. Salinity status of tsunami – affected soil and water resources of South Andaman, *Current Science* **96** (1):152-156 (NAAS: 6.76)
 7. **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 (*Oryza sativa*), *Indian Journal of Agronomy* **53** (1):57-61 (NAAS: 5.46)
 8. **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 (*Oryza sativa*) under lowland condition *Indian Journal of Agricultural Sciences* **73** (5): 289-290 (NAAS: 6.25)
 9. **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 (*Oryza sativa* L.) under Island

- ecosystem, *Indian Journal of Agricultural Sciences* 78(9): 808-810 (NAAS: 6.25)
10. **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, *Indian Journal of Agronomy* 52 (1):7-10 (NAAS: 5.46)
 11. **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 (*Arachis hypogaea*) under Island ecosystem, *Indian Journal of Agricultural Sciences* **80** (4):299-303 (NAAS: 6.25)
 12. **Ravisankar, N.,** A.S. Panwar, M. Shamim and A.K. Prusty. 2018. Nutrient management in different farming systems, *Indian Journal of Fertilizers*, **14** (12):96-102 (NAAS: 2.80)
 13. **Ravisankar, N.,** and B. Chandrasekharan.2003. Effect of seeding methods, *in situ incorporation of dhaincha* (*Sesbania aculeate* Poir) and application time of pretilachlor plus on weed growth and yield of wet seeded rice (*Oryza sativa* L.), *Indian Journal of Weed Science*, **35**(1&2): 125-127 (NAAS: 5.17)
 14. **Ravisankar, N.,** B. Gangwar and Kamta Prasad.2014. Influence of balanced fertilization on productivity and nutrient use efficiency of cereal based cropping systems, *Indian Journal of Agricultural Sciences* **84** (2):248-254 (NAAS: 6.25)
 15. **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 (*Arachis hypogaea*) in humid tropical Island, *Legume Research* **37** (2):189-194 (NAAS: 6.34)
 16. **Ravisankar, N.,** R. Raja, M. Din, R. Elanchezhian and S. Ghoshal Chaudhuri.2007. Response of rice (*Oryza sativa*) varieties and super rice cultures to

	<p>anaerobic wet seeding in Bay Islands, <i>Indian Journal of Agricultural Sciences</i> 77(1): 14 –17 (NAAS: 6.25)</p> <p>17. Ravisankar, N., Raghuveer 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 (NAAS: 2.80)</p> <p>18. Ruma Das, T.J. Purakayastha Debarup Das, Nayan Ahmed, Rahul Kumar, Sunanda Biswas, S.S. Walia, Rohitashv 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 (NAAS: 11.59)</p> <p>19. 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 (NAAS:8.59)</p> <p>20. Venkatesh Paramesha, Ranjan Parajulib, E.B. Chakurkara, G.B. Sreekantha, H.B. Chetan Kumara, P.P. Gokuldas, 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 (NAAS:11.54)</p>
<p>Awards (in bullet form)</p>	<ul style="list-style-type: none"> • Fellow, 2015, Indian Society of Agronomy • Dhuru Moraji Memorial Award for best article (First Prize) in Agricultural Sciences,

	<p>2017-18 from Fertilizer Association of India</p> <ul style="list-style-type: none"> • Dhiru Moraji Memorial Award for best article (Second Prize) in Agricultural Sciences, 2012-13, Fertilizer Association of India • Dr.K.K. Subbaiah Award for the Best thesis on Rice in Agronomy, Tamil Nadu Agricultural University, 2003 • Member, Research Board of Advisors, The American Biographical Institute, 2001 • Indian Overseas Bank Prize for the Best student in Agronomy (M.Sc. (Ag.)), Tamil Nadu Agricultural University, 1997 • Appreciation Certificate (2014-15), ICAR-IIFSR, 2015 • Appreciation Certificate (2004-05), ICAR-CIARI, 2005 • Best Poster (second) award in the XXI National Symposium of Indian Society of Agronomy, 2018, Indian Society of Agronomy, 2018 • Best Paper Presentation Award in the IX National Extension Education Congress-2018, Society of Extension Education, 2018 • Reviewer Excellence Award, Agricultural Research Communication Centre, 2015 • Best Poster Presentation Award in International Conference on Tropical Island Ecosystems: Issues related to livelihood, sustainable development and climate change, ICAR-Central Island Agricultural Research Institute, 2011 • Best Paper Presentation Award 2007, 9th Indian Agricultural Scientists and Farmers Congress, BIOVED Research Society, 2007 • Best Poster Paper Award 2007, 10th Inter regional conference on water and environment (ENVIROWAT 2007) on Ensuring water and environment for prosperity and posterity, Indian Society of Water Management, 2007
<p>Significant achievements including development of methodology, technology etc (maximum 10 in bullet form)</p>	<ol style="list-style-type: none"> 1. Documented 51 prototype Integrated Farming System models developed for 26 States under AICRP on Integrated Farming Systems, All India Network Programme on Organic Farming and other

ICAR Institutes and published as “Integrated Farming Systems for Agricultural Diversification, enhanced income and employment” by ICAR during 2019. Document has been sent to Chief Secretary of all the States. DAC&FW, GoI recognized these IFS models and promoting under Rainfed farming systems. Kerala and Tamil Nadu States are implementing these models under separate State Plan schemes (**Programme Facilitator, Coordination Unit, ICAR-IIFSR, Modipuram**).

2. 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 (**National PI, On-Farm Research, AICRP on Integrated Farming Systems, ICAR-IIFSR, Modipuram**).
3. 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**).
4. 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**).
5. 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

	<p>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 Blair)</p> <p>6. 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>7. 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>
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