



Personal Information		
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Mobile No.	:	+91 7599157944
Qualification	:	PhD
Discipline and specialization	:	Aquaculture
Training/ advance exposure (5-6 lines only)	:	<ul style="list-style-type: none"> • Advance training on use of farm designing suiting to different climatic zones using quantitative analysis tools/models. • Whole farm modelling and sustainability assessment of farming systems.
Professional Information		
Major Contributions	:	<ul style="list-style-type: none"> • Evaluation of anti nutritional factors (ANF) in feed ingredients for their inclusion in fish feed for development of low cost feed. • Beneficial effects of probiotic/Vitamin C/ Vitamin E supplementation in diet towards disease resistance and immunological responses in <i>L. rohita</i>. • Methodology for Quantitative analysis of farming systems using typology and farming systems redesigning using optimization models. • Development of location specific farming systems and their evaluation on key performance indicators.
Current area of research	:	Integrated farming systems, aquaculture, Farming systems typology, Sustainable Agriculture/Aquaculture, Organic farming
Major Publications	:	<ol style="list-style-type: none"> 1. Ansari MA, Ravisankar N, Shamim M, Rani M, Prusty AK, Singh R, K. J R, Joshi H, Kumar S, Panwar AS and Kumar M (2024). Accounting of carbon sequestration and tradeoff under various climatic scenarios in alternative agricultural system: a comprehensive framework toward carbon neutrality. <i>Front. Sustain. Food Syst.</i> 8:1371255. Doi: 10.3389/fsufs.2024.1371255. 2. Raghavendra KJ, John J, Jacob D, Rajendran T, Prusty AK, Ansari MA, Ravisankar N, Kumar S, Singh R, Shamim M, Punia P, Nirmal, Meena AL, Kashyap P, Shivaswamy GP and Dutta

	<p>D (2024) Unraveling determinants of integrated farming systems adoption for sustainable livelihood and dietary diversity. <i>Front. Nutr.</i> 11:1264658. Doi: 10.3389/fnut.2024.1264658.</p> <ol style="list-style-type: none"> 3. Suresh V.R., Naskar M., Brahmane M.P., Prusty A.K., Panda D., Behera B.K., Sajina A.M., Sahu S.K., Meena D.K., Lal K.K. (2023). Morphometric differentiation of <i>Labeo catla</i> (Hamilton 1822) (Cyprinidae) in rivers: Possible adaptation to hydrology. <i>Zoology and Ecology</i> 33(1), 63–76. https://doi.org/10.35513/21658005.2023.1.8 4. AK Prusty, R Natesan, AS Panwar, ML Jat, JP Tetarwal, S López-Ridaura et al. Redesigning of farming systems using a multi-criterion assessment tool for sustainable intensification and nutritional security in Northwestern India (2022). <i>Sustainability</i> 14 (7), 3892. 5. Ravisankar, N., Ansari, M. A., Shamim, M., Prusty, A. K., Singh, R., Panwar, A. S. Bal., et al. (2022). Sustainable livelihood security of small farmers improved through resilient farming systems in the Semi-Arid Region of India. <i>Land Degrad. Dev.</i> 33, 2830–2842. Doi: 10.1002/ldr.4358. 6. P Panikkar, A Saha, AK Prusty, UK Sarkar, BK Das. Assessing hydrogeochemistry, water quality index (WQI), and seasonal pattern of plankton community in different small and medium reservoirs of Karnataka, India (2022). <i>Arabian Journal of Geosciences</i> 15 (1), 82. 7. A.K. Prusty, M.P.S. Kohli, N.P. Sahu, A.K. Pal, N. Saharan, S. Mohapatra, S.K. Gupta,(2011). Effect of short term exposure of fenvalerate on biochemical and haematological responses in <i>Labeo rohita</i> (Hamilton) fingerlings. <i>Pestic. Biochem. Physiol.</i>, 100 (2) (2011), pp. 124-129. 8. A.K. Prusty, N. Sahu, A. Pal, A. Reddy, S. Kumar. Effect of dietary tannin on growth and haemato-immunological parameters of <i>Labeo rohita</i> (Hamilton) fingerlings. <i>Anim. Feed Sci. Technol.</i>, 136 (2007), pp. 96-108 9. Kashyap, P.; Prusty, A.K.; Panwar, A.S.; Paramesh, V.; Natesan,R.; Shamim, M.; Verma, N.; Jat, P.C.; Singh, M.P. Achieving Food and Livelihood Security and Enhancing Profitability through an Integrated Farming System Approach: A Case Study from Western Plains of Uttar Pradesh, India.(2022). <i>Sustainability</i>, 14, 6653. https://doi.org/10.3390/su14116653 10. Kaur, J., Prusty, A.K., Ravisankar, N. et al. Farm typology for planning targeted farming systems interventions for smallholders in Indo-Gangetic Plains of India (2021). <i>Sci Rep</i> 11, 20978. https://doi.org/10.1038/s41598-021-00372-w 11. Mohapatra S, Chakraborty T, Prusty AK, Prasad KP, Mohanta KN (2014) Dietary multispecies probiotic supplementation enhances the immunohematological responses and reduces mortality by <i>Aeromonas hydrophila</i> in <i>Labeo rohita</i> fingerlings. <i>J World Aquacult Soc</i> 45:532–544. https://doi.org/10.1111/jwas.12144
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		<p>12. S. Mohapatra, T. Chakraborty, A.K. Prusty, K. PaniPrasad, K.N. Mohanta Beneficial effects of dietary probiotics mixture on hemato-immunology and cell apoptosis of Labeo rohita fingerlings reared at higher water temperatures PloS One, 9 (2014), p. 6</p> <p>13. S. Mohapatra, T. Chakraborty, A.K. Prusty, P. Das, K. Paniprasad, K.N. Mohanta Use of different microbial probiotics in the diet of rohu, Labeo rohita fingerlings: effects on growth, nutrient digestibility and retention, digestive enzyme activities and intestinal microflora Aquac. Nutr., 18 (2012), pp. 1-11</p> <p>14. S. Mohapatra, T. Chakraborty, A.K. Prusty, K. Kumar, K. Pani Prasad, K.N. Mohanta. Fenvalerate induced stress mitigation by dietary supplementation of multispecies probiotic mixture in a tropical freshwater fish, Labeo rohita (Hamilton) (2012). Pestic. Biochem. Physiol., 104 (2012), pp. 28-37, 10.1016/j.pestbp.2012.06.006</p> <p>15.</p>
Awards and Fellowships (ICAR/Recognition society awards)	:	<ul style="list-style-type: none"> • JRF and SRF by ICAR. • FAI award (2021). • Young Scientist Award (SRDA)