

Brief Resume of Dr. Ravi Kumar

Dr. Ravi Kumar, PhD, ARS, NET
Scientist (Fisheries Resource Management)

ICAR-Mahatma Gandhi Integrated Farming Research Institute (MGIFRI), Piprakothi- 845429, Motihari, East Champaran, Bihar

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Born: 20 September 1990



Research Specialization

Fisheries Resource Management- Fish Taxonomy, Fish Biology, Fish Diversity, Fish Population Dynamics, Water Analysis, Fish-based Integrated Farming Systems, Aquaculture, Wetland Management, Energy Budgeting of Fish-based IFS models.

Academic Background

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| 2011 | B.F.Sc. Narendra Deva University of Agriculture and Technology, Faizabad, Ayodhya, Uttar Pradesh |
| 2013 | M.F.Sc. (FRM), ICAR- Central Institute of Fisheries Education, Mumbai, Maharashtra |
| 2025 | PhD (FRM), ICAR- Central Institute of Fisheries Education, Mumbai, Maharashtra |

Professional Service Experience

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| 2015-contd. | Scientist | ICAR- Mahatma Gandhi Integrated Farming Research Institute (MGIFRI), Motihari, Bihar |
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Awards, Honours & Recognitions

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| 2011 | Vice Chancellor Gold Medal (B.F.Sc.) |
| 2013-contd. | Life Member in Indian Fisheries Association |
| 2024 | Young Scientist Award – 2024, by the Society of Fisheries and Life Sciences |

Publications

Total 53: Research papers 18, Research/ Technical Bulletin 01, Book 01, Research Reviews 02, Book Chapters 8, Extension Folder/Leaflets 08, Report 02, Popular Scientific Articles 13

Publications

Research papers:

1. **Ravi Kumar**, Jaiswar, A.K., Pavan Kumar, A., Chakraborty, S.K., Jahageerdhar, S. and Lakra, W.S. (2015). DNA barcoding of Thais species (Family: Muricidae) from west coast of India. *Indian Journal of Fisheries*, 62(2), 92-97.
2. **Ravi Kumar**, Jaiswar, A.K., Jahageerdar, S., Chakraborty, S.K., Pavan Kumar, A. and Prasad, L. (2017). Comparative Taxonomic Evaluation of Thais Species (Order: Gastropoda; Family: Muricidae) of Mollusca from Maharashtra Coast of India. *Indian Journal of Geo-Marine Sciences*, 46(6):1098-1104.

3. Kumar, S., **Ravi Kumar** and Dey, A. (2019). Energy budgeting of crop-livestock-poultry integrated farming system in irrigated ecologies of eastern India. *Indian Journal of Agricultural Sciences*, 89(6):1017-22.
4. Maurya, A.K., Radhakrishnan K.V. and **Ravi Kumar** (2020). Population characteristics and level of exploitation of *Anabas testudineus* (Bloch, 1792) in Rudrasagar Lake, a Ramsar site in North-eastern India. *Indian Journal of Geo Marine Sciences*, 49 (02): 298-302.
5. **Ravi Kumar**, Jaiswar, A.K., Sharma, R. and Prasad, L. (2020). Quantification of morphological variations among populations of *Channa gachua* (Hamilton, 1822) from different geographical locations in India. *Indian Journal of Fisheries*, 67(2): 114-119.
6. Mandal, K.G., Purbey, S.K., Singh, A.K., Bharti, P.K., **Ravi Kumar**, Samal S.K. and Banerjee, K. (2022). Perspectives on integrated farming in waterlogged ecosystems for ensuring food and nutrition security to farmers. *Indian Journal of Agronomy*, 66 (5th IAC Special issue): S32_S43 (2021).
7. **Ravi Kumar**, Dey, A. and Kumar, S. (2022). Energy efficiency of integrated crop-livestock-fish farming system for lowland irrigated ecology of eastern region, India. *Indian Journal of Agricultural Sciences*, 92(8):970-973.
8. Mandal, K.G., Purbey, S.K., Singh, A.K., Bharti, P.K., **Kumar, R.**, Samal S.K. and Koushik Banerjee. (2022). Perspectives on integrated farming in waterlogged ecosystems for ensuring food and nutrition security to farmers. *Indian Journal of Agronomy* 66(5th IAC SPECIAL issue): S32-S43.
9. **Ravi Kumar**, M. Monobrullah, B.P. Bhatt, A. Raizada, A. R. Sen, S. K. Samal and Manoj Kumar (2023). Productivity, energy use efficiency, economics and CO2 e emission from integrated fish-duck farming in floodplain wetland ecosystems of eastern India. *Indian Journal of Fisheries*, 70 (3): 73-81.
doi:10.21077/ijf.2023.70.3.101296-10
10. **Ravi Kumar**, AK Jaiswar, Laxmi Prasad, Kamal Sarma, Asha T Landge, BB Nayak, SK Ahirwal, and KG Mandal (2024). *Macrornathus aral* (Bloch and Schneider 1801): Growth, condition, age, mortality, recruitment and exploitation in running and stagnant ecosystems in Gandak Basin, India. *Indian Journal of Fisheries*, 71(1):105-111. doi:10.21077/ijf.2024.71.1.138398-12
11. Ahirwal, S.K., Singh, J., Kumar, T., Bharti, V., Sarma, K., **Kumar, R.** and Raut, S., 2024. Body weight prediction models of *Macrornathus pancalus* (Hamilton, 1822) from morphometric traits using principal component analysis. *Indian Journal of Fisheries*, 71(2): 22-28. doi:10.21077/ijf.2024.71.2.142252-03
12. Mandal, K.G., Banerjee, K., Purbey, S.K. and **Kumar, R.** (2024). Potential measures to enhance ecosystem services of flood-prone and wetland agricultural systems. *Journal of Agricultural Physics*. Vol. 24 (2nd JAP Special Issue), pp. S108-S122.
13. Monobrullah, Md., Raizada, A., Singh, D.K., Tamta, M., Kumar, U., **Kumar, R.**, Das, B. and Kumar, A. (2024). Estimation of Economic Losses in Farming due to Climatic Aberrations in East Champaran, Bihar. *Economic Affairs*, Vol. 69(04), pp. 1567-1572, DOI: 10.46852/0424-2513.5.2024.5
14. Raut, S., Sarma, K., Singh, I.S., Singh, J., Padala, V.K., Ahirwal, S.K., Kumar, T., **Kumar, R.**, Jana, B.R. and Bhatt, B.P. (2025). Performance and sustainability of the makhana (*Euryale ferox* Salisbury) cum fish culture system in India. *Indian Journal of Fisheries*, 72 (2): 84-93, doi:10.21077/ijf.2025.72.2.147354-10
