

Brief Resume of Dr. Pratapa M G

Name: Dr. Pratapa M G, M.F.Sc., Ph.D., ARS

Designation: Scientist

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

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Born: Karnataka, India



Research Specialization

Fish Health (Aquatic Animal Health Management) – Aquatic Animal Disease Diagnosis, Molecular Diagnostics, Pathogen Characterization, Host–Pathogen Interactions, Virology, Bacteriology, Immunology, Histopathology, Disease Surveillance, Cell Culture Techniques, Vaccines and Therapeutics.

Academic Background

2013-17 B.F.Sc., 1st Class with Merit certificate, College of Fisheries, Mangalore (Grade point - 8.59)

2027-2019 M.F.Sc. (Aquatic Animal Health Management), 1st Class, ICAR-CIFE, Mumbai (Grade point - 8.56)

2019-2023 Ph.D. (Aquatic Animal Health Management), 1st Class, ICAR-CIFE, Mumbai (Grade point - 9.01)

Professional Service Experience

2015 - contd. Scientist ICAR- Mahatma Gandhi Integrated Farming Research Institute (MGIFRI), Motihari, Bihar -845429

Awards, Honours & Recognitions

2025 Received the **Best Concept Note Award** during the 114th FOCARS Training Programme at ICAR–National Academy of Agricultural Research Management (NAARM) from Honourable Secretary, DARE & Director General, ICAR, Dr. Mangi Lal Jat for the concept note titled “*Next-Gen Diagnostics in Aquaculture: Quantum Dots for Rapid and Early Detection of Aquatic Pathogens.*”

2023 ASRB- Agricultural Research Service Examination- (Fish Health) **AIR-1**

2023 Received the “**Best Publication of the Year – 2023**” award from the Aquatic Environment and Health Management (AEHM) Division, ICAR-CIFE, Mumbai, for the research paper titled “*Experimental infection reveals mud crab, Scylla*

serrata is less susceptible than Scylla olivacea and shrimp, Penaeus vannamei to white spot syndrome virus (WSSV)."

- 2019 ICAR- **Senior Research Fellowship Award**-Aquatic Animal Health Management, AIR-2
- 2017 ICAR- **Junior Research Fellowship Award**- Fisheries Science, AIR-3
- 2017 **Best Fisheries Graduate of India Award** by Professional Fisheries Graduate Forum, India (PFGF-India).
- 2017 **Prof.H.P.C. Shetty Award** in 11th Indian Fisheries and Aquaculture Forum at Kochi on 21st Nov.2017
- 2017 **COFAA Appreciation Award** for meritorious academic performance during 2016-17.
- 2016 **COFAA Appreciation Award** for meritorious academic performance during 2015-16.
- 2015 **COFAA Appreciation Award** for meritorious academic performance during 2014-15.

Publications

Total: 13, Research Paper: 7, Book chapter: 6

Research papers:

Pratapa, M.G., Kumar, S., Bedekar, M.K., Kumar, H.S. and Rajendran, K.V., 2023. Experimental infection reveals mud crab, *Scylla serrata* is less susceptible than *Scylla olivacea* and shrimp, *Penaeus vannamei* to white spot syndrome virus (WSSV). *Aquaculture*, 577, p.739877.

Pratapa, M.G., Kumar, S., Bedekar, M.K., Kumar, H.S. and Rajendran, K.V., 2023. Pathogenicity of white spot syndrome virus (WSSV) after multiple passages in mud crab, *Scylla olivacea*. *Journal of Invertebrate Pathology*, 201, p.108016.

Pinto, N., Nissa, M.U., Pathan, M.A., Yashwanth, B.S., **Pratapa, M.G.,** Srivastava, S. and Goswami, M., 2023. High throughput proteomic analysis of *Labeo rohita* liver infected with *Edwardsiella tarda*. *Aquaculture*, 569, p.739338.

Pinto, Nevil, Mehar Un Nissa, Gowhar Iqbal, **Pratapa M. G,** Sanjeeva Srivastava, and Mukunda Goswami., 2025 "Tandem mass tag (TMT) proteomic analysis of rohu intestine against *Edwardsiella tarda*." *Aquaculture International* 33(2), p 141.

Pinto, N., Rao, B.M., Iqbal, G., Pradeep, A., Yashwanth, B.S., **Pratapa, M.G.** and Sathiyarayanan, A., 2025. First report of natural co-infections and protein profile of Indian Major Carp, *Labeo rohita*. *Microbial Pathogenesis*, p.107908.

Dheeran, P., Verma, A.K., Krishnan, S., Krishnani, K.K., Hittinahalli, C.M., Paria, A. and **Gudvi, P.M.**, 2025. Haemato-biochemical changes in epizooticulcerative syndrome (EUS) infected striped murrel (*Channa striata*) cultured in inland saline water. *Indian Journal of Fisheries*, 72(2).

Vandana, V.R., Poojary, N., Tripathi, G., Pavan-Kumar, A., **Pratapa, M.G.**, Sanil, N.K. and Rajendran, K.V., 2021. A novel myxozoan parasite, *Ellipsomyxa boleophthalmi* sp. nov. (Myxozoa: Ceratomyxidae) in the brackishwater fish, *Boleophthalmus dussumieri* Valenciennes, 1837 (Perciformes: Gobiidae) from India. *Parasitology Research*, 120(4),

Book chapters:

Pratapa M G., David Waikhom, and Laishram Soniya Devi., 2022. Real-Time PCR: A Sensitive, Specific and Rapid Diagnostics Assay of Fish and Shellfish Pathogens. *Biotica Research Today* 4(9):635-637.

Pratapa M G., Laishram Soniya Devi., David Waikhom, and Amom Mahendrajit singh., 2022. An Overview of Emerging diseases reported in Tilapia with special reference to Tilapia lake virus (TiLV). *Agri-India TODAY* ISSN:2583-0910.

M.G. Pratapa, B. Madhusudhana Rao, Ch. Balakrishna and A. Devivaraprasad Reddy., 2019. IMNV: an emerging viral disease in Indian shrimp farming. *SMART AGRIPPOST - FISHERIES AQUA HEALTH MAGAZINE*.

Apoorva D. S., Deepika M., **Pratapa M G.**, Manasa R., Shekhara Naik R., Mahesh Shivananjappa., 2023. Anti-Microbial Activity of Malabar Nut (*Adhatoda vasica*), *Microbiology: Recent Trends in Research Technology, Development and Future Aspects*, Kripa Drishti Publications. ISBN: 978-81 19149-44-5

Bhoomika B. M., **Pratapa M G.**, Manasa R., Shekhara Naik R., Mahesh Shivananjappa., 2023. Antibacterial activity of *Melissa officinalis* (Lemon Balm), *Microbiology: Recent Trends in Research Technology, Development and Future Aspects*, Kripa Drishti Publications. ISBN: 978-81-19149-44-5

Sofiya, Swasthika P. Y., **Pratapa M G.**, Manasa R., Shekhara Naik R., Mahesh Shivananjappa., 2023. Antimicrobial Activity of *Glycyrrhiza glabra* Linn (Mulethi), *Microbiology: Recent Trends in Research Technology, Development and Future Aspects*, Kripa Drishti Publications. ISBN: 978-81-19149-44 5
