🧪 **Raja G (Iyyapparaja Narasimapallavan)**

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🎯 **Career Overview**

Dedicated to promoting environmentally responsible aquaculture through research and innovation. Experienced in marine and freshwater systems with a focus on sustainable practices that support ecological integrity and economic viability. Committed to enhancing aquaculture's role in global food security and ecosystem resilience through science-driven solutions and continuous learning

🧬 **Key Skills**

* Fish Nutrition & Larval Rearing
* Feed Formulation & Live Feed Enrichment
* Nutritional Profiling (Fatty Acids, Amino Acids, Proximate Composition)
* Molecular Techniques: PCR, DNA Extraction
* Nutrigenomics & Microbiomics Research
* Experimental Design, Data Interpretation & Scientific Writing

🔬 **Research Experience**

**Project Scientist II – Marine Fish Breeding**
*NIOT – Andaman & Nicobar Islands (2022–2024)*

**Project Associate II – Fish Nutrigenomics & Microbiomics**
*ICAR – CMFRI (2020–2022)*

**Young Professional II – Marine Fish Larvae Nutrition**
*ICAR – CMFRI (2009–2016)*

📚 **Education**

* **Ph.D. in Biosciences** – Mangalore University, 2018
* **M.Phil. in Marine Biology & Oceanography** – Annamalai University, 2009
* **M.Sc. in Marine Biology & Oceanography** – Annamalai University, 2007
* **B.Sc. in Zoology** – Loyola College, University of Madras, 2004

📝 **Selected Publications**

* *Mechanistic insights into early life stage microbiota of silver pompano*, Frontiers in Microbiology, 2024
* *Full-length transcriptome from different life stages of cobia*, Nature Scientific Data, 2023
* *Monitoring of Harmful Algal Bloom (HAB) and its impact on finfishes*, Marine Pollution Bulletin, 2023
* *Designer clown fishes: Unraveling the ambiguities*, Frontiers in Marine Science, 2022
* *Comparative evaluation of fish larval preservation methods*, Applied Microbiology and Biotechnology, 2022
* *Metagenomic signatures of transportation stress in cobia larvae*, Aquaculture, 2022
* *Long chain n-3 PUFA enriched oil emulsion from sardine oil*, Marine Fisheries Information Service, 2015
* *Evaluation of formulated diets for koi carp*, Indian Journal of Fisheries, 2015
* *Development of live feed enrichment product for marine fish larviculture*, Indian Journal of Fisheries, 2012
* *Distribution and abundance of gelatinous zooplankton*, Journal of Biological Sciences, 2013

🎓 **Conferences & Training**

* *International Conference on Advancement of Science and Technology for Environment, Society and People (ICASTESP)* – Kozhikode, India, 2022
* *42nd Annual Larval Fish Conference* – Victoria, Canada, 2018
* *Aquaculture Canada* – Quebec City, Canada, 2018
* *39th Annual Larval Conference (AFS Meeting)* – Vienna, Austria, 2015
* *World Ocean Science Congress* – Kochi, India, 2015
* *38th Annual Larval Conference (AFS Meeting)* – Quebec City, Canada, 2014
* *16th Intl. Symposium on Fish Nutrition & Feeding* – Cairns, Australia, 2014
* *Ornamentals Kerala – Intl. Seminar on Ornamental Fish Breeding* – Kerala, India, 2014
* *9th Indian Fisheries Forum* – Chennai, India, 2011
* *Workshop on Getting Started in Aquaculture and Aquaponics* – University of Guelph, Ontario, Canada, 2018
* *Training program on Fish Nutrition and Feeding Strategies* – CIFE, Calcutta, India, 2016
* *Training program on Techniques in Marine Ornamental Fish Breeding* – CMFRI, Kerala, India, 2013
* *Workshop on Bioactive Metabolites from Marine Resources* – AMET University, Chennai, India, 2011
* *Training program on Marine Eco-toxicology* – NIOT, Chennai, India, 2008
* *Emerging Scenario in Zoology* – National College, Tiruchirappalli, India, 2007

🗣️ **Languages**

* **Tamil**: Native
* **English**: Full Professional Proficiency
* **Hindi**: Working Knowledge
* **Malayalam**: Working Knowledge
* **French**: Elementary

👥 **References**

* **Dr. Susan Thompson** – Kwantlen Polytechnic University, BC, Canada
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* **Dr. Vijayagopal** – Principal Scientist, CMFRI, Kochi, India
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* **Dr. Kajal Chakraborty** – Principal Scientist, CMFRI, Kochi, India
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