

BIODATA



Name : Dr. E. Prabu

Designation : Assistant Professor

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Qualification : M.F.Sc., Ph.D.

Field of Specialization : Fish Nutrition

Major : Aquaculture

Specializing field : Feed formulation, Amino acid nutrition, Nutrigenomics

Experience (in years) : Three years (As on 01.03.2024)

Ongoing projects: 4

Sl.No.	Title of the Project	Year	PI & Co- PI of the Project	Funds (in Rs)	Funding Agency
1	Effects of Dietary <i>Saccharomyces cerevisiae</i> Fermentation Product and Phyto additives on Growth Performance, Nutrient Utilization and Health Status of Pacific White Shrimp, <i>Penaeus vannamei</i>	2024	PI: Dr.E.Prabu Co-PI: Dr. N. Felix, Dr.P. Chidambaram Dr.A.Uma	14,94,324	USAID
2	Effects of NagroWall on growth, whole-body composition, and disease resistance in Pacific white shrimp, <i>Penaeus vannamei</i>	2024	PI: Dr.E.Prabu Co-PI: Dr.P. Chidambaram	1,07,000	Provet Pharma Pvt Ltd., Chennai

3	Shrimp Farming at DIVA, Muttukadu	2022	PI: Dr.E.Prabu CO-PI: Dr.Mir Ishfaq Nazir	2,70,000	TNJFU
4	TN-IAMP: Component 3: Formulation of species specific fish feed using locally available low cost ingredients (Lower Palar and Kallar basin)	2019 - 2025	Co-PI: Dr.E.Prabu	38,80,000	World Bank

Completed projects: 3

Sl.No.	Title of the Project	Year	PI & Co- PI of the Project	Funds (in Rs)	Funding Agency
1	Institute of Paraprofessional Aquaculture Technology at Muttukadu, Chennai	2018	PI: Dr. N. Felix, Co-PI: Dr. E. Prabu	8,80,00,000	NABARD
2	Effects of algae meal on growth, whole-body composition, histological and haemato-biochemical responses of Pacific white shrimp, <i>Penaeus vannamei</i> and GIFT strain of Nile tilapia, <i>Oreochromis niloticus</i>	2021	PI: Dr. N. Felix, Co-PI: Dr. E. Prabu Dr.A.Uma	3,82,000	Algatomic Technologies Pvt Ltd., Namakkal
3	Development of cost-efficient feeds and farming practices of Asian Seabass for fish farmers of Tamil Nadu at Directorate of Incubation and Vocational Training in Aquaculture, TNJFU, Muttukadu	2021	PI: Dr. Mir Ishfaq Nazir CO-PI: Dr. N. Felix, Dr. E. Prabu	80,00,000	NADP-RKVY

Research publications

- **Prabu, E.,** Felix, N. and Uma A., 2021. Optimizing amino acid balance in fish meal-free diets for GIFT strain of Nile tilapia (*Oreochromis niloticus*) by deletion method. ***Aquaculture Nutrition***. 27 (4), 1031–1041. <https://doi.org/10.1111/anu.13244>
- **Prabu, E.,** Felix, N. and Uma, A., 2021. Dietary arginine requirement in diets of GIFT strain of Nile tilapia, *Oreochromis niloticus*: Effects on growth performance, whole-body composition, growth-related gene expression and haemato-biochemical responses. ***Aquaculture Research***, 52 (10), 4816-4828. <https://doi.org/10.1111/are.15315>
- **Prabu, E.,** Felix, N., Uma, A., Ahilan, B. and Antony, C., 2020. Metabolic responses of juvenile GIFT strain of Nile tilapia (*Oreochromis niloticus*) to dietary L-tryptophan supplementation. ***Aquaculture Nutrition***, 26 (5), 1713-1723. <https://doi.org/10.1111/anu.13122>
- **Prabu, E.,** Felix, N., Uma, A. and Praveenraj, J., 2020. Effects of dietary L-lysine supplementation on growth, body composition and muscle-growth-related gene expression with an estimation of lysine requirement of GIFT tilapia. ***Aquaculture Nutrition***, 26(2), 568-578. <https://doi.org/10.1111/anu.13018>
- **Prabu, E.,** Felix, N., Ahilan, B., Antony, C. and Uma, A., 2019. Effects of dietary supplementation of DL-methionine on growth and whole body amino acid profile of genetically improved Farmed Tilapia. ***Journal of Coastal Research***, 86, 90-95. <https://doi.org/10.2112/SI86-013.1>
- **Prabu, E.,** Rajagopalsamy, C.B.T., Ahilan, B., Jeevagan, J.M.A. and Renuhadevi, M., 2018. Effect of dietary supplementation of biofloc meal on growth and survival of GIFT tilapia. ***Indian Journal of Fisheries***, 65(1), 65-70.
- Sathishkumar, G., Felix, N. and **Prabu, E.,** 2021. Growth performances and nutrient utilization efficiency of GIFT tilapia reared in floating net cages fed with bioprocessed silkworm pupae meal. ***Aquaculture Nutrition***, 27 (6), 2786-2797. <https://doi.org/10.1111/anu.13408>

- Sathishkumar, G., Felix, N. and **Prabu, E.**, 2021. Effects of dietary protein substitution of fish meal with bioprocessed poultry by-product meal on growth performances, nutrient utilization, whole-body composition and haemato-biochemical responses of GIFT tilapia reared in floating cages. ***Aquaculture Research***, 52 (11), 5407-5418. <https://doi.org/10.1111/are.15410>
- Sudha, C., Ahilan, B., Felix, N., Uma, A. and **Prabu, E.**, 2022. Effects of dietary protein substitution of fishmeal with black soldier fly larval meal on growth and physiological responses of juvenile striped catfish, *Pangasianodon hypophthalmus*. ***Aquaculture Research***, 53(6), pp.2204-2217. <https://doi.org/10.1111/are.15739>
- Sudha, C., Ahilan, B., Felix, N., Uma, A., Chidambaram, P. and **Prabu, E.**, 2022. Replacement of fish oil with black soldier fly larvae oil and vegetable oils: Effects of growth, whole-body fatty acid profile, digestive enzyme activity, haemato-biochemical responses and muscle growth-related gene expression of juvenile striped catfish, *Pangasianodon hypophthalmus*. ***Aquaculture Research***, 53(8), pp.3097-3111. <https://doi.org/10.1111/are.15823>
- Kamalii, A., Antony, C., Ahilan, B., Uma, A. and **Prabu, E.**, 2022. Dietary protein replacement of fish meal with black soldier fly larvae meal: Effects on growth, whole-body composition, digestive enzyme activity, muscle-growth-related gene expression and haemato-biochemical responses of juvenile goldfish, *Carassius auratus*. ***Turkish Journal of Fisheries and Aquatic Sciences***, 23(2). <https://doi.org/10.4194/TRJFAS21837>
- Felix, N., **Prabu, E.** and Upadhyay, A., 2020. Effective utilisation of poultry byproduct meal as an ingredient in the diet of Genetically Improved Farmed Tilapia (GIFT), cultured in reservoir cages in Tamil Nadu, South India. ***Indian Journal of Fisheries***, 67(1). <https://doi.org/10.21077/ijf.2019.67.1.93574-12>
- Upadhyay, A., Felix, N. and **Prabu, E.**, 2019. Rapeseed meal as an alternative protein source in the diet of GIFT tilapia cultured in cages in reservoir. ***Indian Journal of Fisheries***, 66(3),69-75. <https://doi.org/10.21077/ijf.2019.66.3.89076-9>

Honors and Awards

1. **Dr.T.M.Samocha Gold Medal for Best Thesis for Ph.D. (Aquaculture)** for Ph.D. degree programme (2017-18 batch) during the 7th convocation of TNJFU
2. **Chancellor of TNJFU, Shri Banwarilal Purohit Gold Medal for Best Aquaculture/ Fisheries Technologist at Ph.D. Programme** for Ph.D. degree programme (2017-18 batch) during the 7th convocation of TNJFU
3. **G.VICTORIA – SUGAFELIX Vice-Chancellor Gold Medal for the Best Aquaculture/ Fisheries Technologist Award** for Ph.D. degree programme (2017-18 batch) during the 7th convocation of TNJFU
4. **Best oral presentation award** during “7th National Youth Convention” conducted by TNAU and AIASA at Coimbatore
5. **Best Paper Presentation Award** during 8th Agricultural Tamil Scientific Conference conducted by TNJFU & Agricultural Scientific Tamil Society, New Delhi
6. **Best Paper Author Award** during 8th Agricultural Tamil Scientific Conference conducted by TNJFU & Agricultural Scientific Tamil Society, New Delhi