

Dr. RASWIN GEOFFERY.G.K

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Education Qualification

M.F.Sc, Ph.D (Aquaculture)

**Profile of Project in Ph.D.**

A study on “Nutritional evaluation of Black soldier fly larvae meal (*Hermetia illucens*) and Water hyacinth (*Eichhornia crassipes*) as a replacement of fish meal in the diets of GIFT Tilapia”.

**Profile of Project in M.F.Sc.**

A study on “Influence of Replacing Soybean Meal by Alternative Protein Sources in the Diets of GIFT Tilapia”. (Sponsored by Evonik Sea Pvt.Ltd, Singapore).

**Work Experience**

**1. Junior Research Fellow:**

Worked as Junior Research fellow (JRF) under TDUPW A2K+ scheme of Department of Scientific and Industrial Research (DSIR) project entitled “Livelihood improvement of women through skill development in ornamental fish farming with special emphasis on production of attractive and high-quality ornamental fishes” at Fisheries College and Research Institute, Thoothukudi from 4.10.2023 to 12.03.2025.

**2. Teaching Experience:**

Worked as an Instructor at Fisheries College and Research Institute, Parakkai, Tamil Nadu

Dr. J. Jayalalithaa Fisheries University, Nagapattinam from 03.06.2019 to 14.7.2020. The nature of works carried out in this period are as follows.

Handled the following UG courses for 1<sup>st</sup> year B.F.Sc students:-

- Principles of Aquaculture 2 (1+1) both Theory and Practical
- Freshwater Aquaculture 3 (2+1) both Theory and Practical
- Aquaculture in Reservoirs 2 (1+1) both Theory and Practical

Handled training classes for farmers on the following topics:-

- Loach fish culture
- Shrimp culture
- Value-added fishery products
- Ornamental fish culture

- Maintained brood shrimps such as *P. monodon*, *P. semisulcatus*, and *L. vannamei* for research.

### 3. Industry Experience:

Performed as Technical Director at Davis Aquafarm, Keeranoor village, Tuticorin district - 628151 from 1.1.2015 to 30.5.2019.

#### Awards / Recognitions

S.No	Name of the Award	Awarding Agency	Period
1.	Alumni Senior M.F.Sc Award	Tamil Nadu Fisheries University, Nagapattinam	2017
2.	Young Researcher Award 2023	Prosper Foundation and Agri Amigos Pvt.Ltd at Agri Innova 2023	2023

#### Research Papers Published

1. **Geoffery, G.K.R.**, Athithan, S., Pereira, J.J., Amirtharaj, K.S.V., Jeyashakila, R. and Ruby, P. (2024). Nutritional Evaluation and Cost Analysis of Water Hyacinth (*Eichhornia crassipes*) as a Replacement of Fish Meal in the Diets of GIF Tilapia. Indian Journal of Animal Research. doi: 10.18805/ IJAR.B-5440.
2. **Raswin Geoffery.G.K.**, S. Athithan, J. Jaculine Pereira, K.S. Vijay Amirtharaj, R. Jeyashakila, K. Green Sea, P. Ruby and M. Joshna., 2024. Nutritional Evaluation and Cost analysis of dietary replacement of fish meal and black soldier fly larvae (*Hermetia illucens*) in the diet of GIF Tilapia. Pakistan Journal of Zoology. pp 1-6, 2024.  
DOI: <https://dx.doi.org/10.17582/journal.pjz/20240711095022>.
3. Green Sea. K, Naresh Raj Keer, Hino Fernando, Rajpal Yadav, M. Rajkumar, P. Jawahar and **Raswin Geoffery.G.K.**, 2022. Perspectives for doubling farmers' income through fisheries. Journal of Experimental Zoology.
4. Green Sea. K, Naresh Raj Keer, **Raswin Geoffery.G.K.**, Iyappan.T, Tamil Selvan. R and Thriveni Kasukurthi N., 2021. Impact of tropical cyclones on fishers' livelihood: A review. The Pharma Innovation Journal.
5. M. Iniyan Arasu, S. Subha Rani and **Raswin Geoffery.G.K.**, 2021. Efficient Heuristic for Optimal MILP-LoRa Adaptive Resource Allocation for aquaculture. Intelligent Automation and Soft Computing. Vol 33, no.2. DOI:10.32604/iasc.2022.021973.
6. **Raswin Geoffery.G.K.**, Ahilan.B., Athithan.S., and J. Stephen Sampath Kumar.,2017. Influence of replacing soybean meal by alternative protein sources in the diets of GIF Tilapia. Journal of Aquaculture in the Tropics. Vol 32, No. (1-2), 2017, Pages 107-114.

#### Books Published:

1. The Notions of Economics  
Green Sea.K., **Raswin Geoffery.G.K** (INSC International Publishers ISBN: 978-1-68576-113-4)
2. Glimpses of Microeconomics  
Green Sea.K., **Raswin Geoffery.G.K** (INSC International Publishers (ISBN 978-1-68576-056-4))

## Chapters Published:

1. Ornamental fisheries: Recent initiatives by the government of India. Technological Interventions for Sustainable Aquaculture (2023).  
**Raswin Geoffery. G.K.**, GreenSea.K, C. Judith Betsy  
(TNJFU & National Institute of Agricultural Extension Management, MANAGE (ISBN 978-93-91668-97-6))
2. Status and Outlook of Ornamental fish Industry in India. Technological Interventions for Sustainable Aquaculture (2023).  
**Raswin Geoffery. G.K.**, C. Judith Betsy  
(TNJFU & National Institute of Agricultural Extension Management, MANAGE (ISBN 978-93-91668-97-6))

## Technical article published

1. Is Antibiotic a Boon or Curse in the Shrimp Industry  
**Raswin Geoffery.G.K.**, Dr.J. Stephen Sampath Kumar and Dr. K. Veerabhadran
2. Sustainability key to marine ornamental fish trade in India  
**Raswin Geoffery.G.K.**, Dr. C. Judith Betsy, Green Sea.K
3. Women's empowerment through ornamental fish farming. (2024).  
**Raswin Geoffery.G.K.**, C. Judith Betsy, J. Ajith
4. Nutritional Bioenergetics  
C. Judith Betsy, **Raswin Geoffery.G.K.**, J.Ajith
5. Carotenoids – “Colours to stay young”  
C. Judith Betsy, **Raswin Geoffery.G.K.**, J.Ajith

## Training manuals / booklets / pamphlets published

1. Dr. K. Veerabhadran, **Raswin Geoffery. G. K.**, Dr. J. Stephen Sampath Kumar., 2019. Value-added fish products (Tamil).
2. Dr. K. Veerabhadran, **Raswin Geoffery. G. K.**, Dr. J. Stephen Sampath Kumar., 2019 Shrimp culture (Tamil).
3. Dr. C. Judith Betsy, **Raswin Geoffery.G. K.**, A. Anix Vivek Santhiya, S. Sangavi, J. Ajith, S. Saravanan., 2023. Ornamental Fish Culture (Tamil). University Publication Number: TNJFU/ Manual/ 162/ 2023
4. Dr. C. Judith Betsy, **Raswin Geoffery. G. K.**, A. Anix Vivek Santhiya, S. Sangavi, J. Ajith, S. Saravanan., 2023. Role of live feed in ornamental fish culture (Tamil). University Publication Number: TNJFU/ Booklet/ 163/ 2023
5. Dr. C. Judith Betsy, S. Sangavi, **Raswin Geoffery. G. K.**, A. Anix Vivek Santhiya, J. Ajith, S. Saravanan., 2024. Aquatic plants and their management in Ornamental Fish farming (Tamil)
6. Dr. C. Judith Betsy, S. Sangavi, **Raswin Geoffery. G. K.**, A. Anix Vivek Santhiya, J. Ajith, S. Saravanan. 2024. Fish diseases and their management in Ornamental fish farming (Tamil).
7. Dr. C. Judith Betsy, **Raswin Geoffery. G. K.**, A. Anix Vivek Santhiya, S. Sangavi, J. Ajith, S. Saravanan. 2024. Ornamental fish transportation (Tamil).
8. Dr. C. Judith Betsy, **Raswin Geoffery. G. K.**, A. Anix Vivek Santhiya, S. Sangavi, J. Ajith, S. Saravanan. 2024. Ornamental diseases and prophylactic measures (English)

### Workshop:

- Participated and made an oral presentation on a project entitled “Influence of Replacing Soybean Meal by Alternative Protein Sources in the Diets of GIFT Tilapia” in Evonik Animal Nutrition University Program Regional workshop, Singapore 28 Sep- 2 Oct 2015.

### International Conference:

- Received Best oral presentation (First Prize) for the paper “Influence of Replacing Soybean Meal by Rapeseed Meal with the Supplementation of DL- Methionine in the Diets of GIF Tilapia” at the International Conference (AGRI INNOVA – 2023) during 11-12 Aug 2023.

**Trainings:**

- Completed training on “Application of Remote Sensing and GIS in Fisheries and Coastal Zone Management” Conducted by Integrated Coastal and Marine Area Management (ICMAM) Project Directorate, Chennai.
- Completed training on “Ornamental fishes and live food – Advanced Production Technologies” conducted by Centre of Fisheries Research and Extension, Chennai.
- Completed the training program on “Fisheries Enhancement in Inland Waterbodies (online mode) organized by ICAR-CIFRI Regional Center, Bangalore from November 7 – 9, 2023.
- Completed three days training programme on “Breeding and Seed production, Hatchery Management, Disease Management and Feed Management of Rainbow Trout” during 27 Feb-01, Mar, 2025 at ICAR-Central Institute of Coldwater Fisheries Research, Experimental Fish Farm, Mudiyani, Champawat, Uttarkhand-262523.

**Massive Open Online Courses completed:**

- Successfully completed MOOC on Psychology of Learning conducted by NAARM, ICAR from 1.5.2020 to 15.5.2020.
- Successfully completed Phase II MOOC on “Information handling skills for learning, teaching and research” from 01.03.2021 to 21.03.2021 organized by Professor Jeyashankar Telangana State Agricultural University under ICAR-NAHEP.

**Others:**

- Serving as Reviewer of the “Journal of biology and nature”.
- Served as a Reviewer of “Aquaculture Research”