Individual Biodata

Name : Dr. C. JUDITH BETSY

Designation : Assistant Professor

Office address : Dept. of Fish Genetics and Breeding
Institute of Fisheries Post Graduate Studies, TNJFU OMR Campus,
Padur (P.O), Vaniyanchavadi,
Chennai – 603 103



Contact

Telephone (O) : -

Telephone ® : -

Mobile : 9894489236

Email : betsy@tnfu.ac.in

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

Field of Specialization : Aquaculture

Major : Aquaculture

Specializing field : Aquaculture

Experience : 9 Years

Citations : 190

h-index : 8

i10 index : 7

Current Projects:

Sl. No	Title of the project	Year	PI & Co-PI of the Project	Funds (in Rs.)	Funding Agency
1.	Livelihood improvement of women through skill development in ornamental fish farming with special emphasis on production of attractive and high-quality ornamental fishes	2023-25	PI	25.0 Lakhs	DSIR, New Delhi

Completed projects:

Sl. No	Title of the project	Year	PI & Co-PI of the Project	Funds (in Rs.)	Funding Agency
1.	Pureline broodstock development for cultivable fishes	2017-2021	Co-PI	50.0 lakhs	World Bank – through Govt of Tamil Nadu

2.	Studies on the nutritional factors influencing gamete quality and artificial fertilization in Koi carp	2019-2020	PI	2.00 lakhs	TNJFU under Junior Teachers Research Fellowship
3.	Integrated fish farm model complex at Fisheries College & Research Institute, Thoothukudi for capacity building for inland fish culturists to augment fish production	2022-24	Co-PI	276.50 lakhs	NADP
4.	University Revolving Fund Scheme on Upgradation of Ornamental Fish Rearing & Breeding Unit for Revenue Generation	2022	PI	1.20 lakhs	TNJFU

Research Publications:

1. Shrinath, **Judith Betsy, C**., Kaviyarasi, I., Anix, A.V.S., Sivashankar, P., Prabu, E., 2026. Ontogeny of Digestive Enzymes for Weaning and Role of Dietary Taurine Supplementation in Growth, Survival and Physiology of Channa striata Juveniles. Scientific Reports (**NAAS: 9.90**)
2. Raj Vasanth, S.A., Senthilkumar, V., Judith Betsy, C. and Stephen Sampath Kumar, J., 2024. Effect of stocking parameters on the growth of Cyprinus carpio under intensive cage farming. Pakistan Journal of Zoology, 57(5): 2359-2366. **(NAAS: 6.60)**
3. Sweety, S., **Judith Betsy, C**., Cheryl, A. and Stephen, J.S.K., 2023. Effect of extenders, cryoprotectants and dilution ratios on the spermatological properties of cryopreserved milt of cobia Rachycentron canadum. Indian Journal of Fisheries, 70(4): 98-104.
4. Harini, **Judith Betsy**, C., Sri Dattatreya, J. Stephen Sampath Kumar, 2023. Influence of different feeding rate of polycheate worms on the gonad development of Penaeus semisulcatus under captive conditions. Crustaceana, 96(5): 493-507. (**NAAS: 6.53**)
5. Pankaj Gargotra, **Judith Betsy, C.,** Cheryl Antony, Stephen Sampath Kumar, J., 2023. Effect of vitamins A, C and E on the bio-growth performance and captive maturation of Lepidocephalichthys thermalis. Pakistan Journal of Zoology, 56(2): 781-791. **(NAAS: 6.69)**
6. Pankaj Gargotra, **Judith Betsy, C.,** Stephen Sampath Kumar, J., 2023. The impact of dietary minerals on Indian Spiny Loach growth and spawning in captivity. Pakistan Journal of Zoology, 56 (6), 2743. **(NAAS: 6.69)**
7. Kenyum Lollen, **Judith Betsy, C.,** Cheryl Antony, Stephen Sampath Kumar, J., 2022. Effect of inducement, dilution ratio and freezing rate on the quality of Cyprinus carpio (Linnaeus, 1758) spermatozoa. Pakistan Journal of Zoology**,** 56(2): 903-913. **(NAAS: 6.83)**
8. **Judith Betsy, C.,** Sangavi, S., Ajith, J., Saravanan, M. and Stephen Sampath Kumar, J., 2021. Influence of antioxidants on the growth performance, gonadosomatic index and biochemical properties of gonad and fertilization success in koi carp (Cyprinus carpio L.). Aquaculture Research, 52(11): 5719-5729. (**NAAS: 7.75)**

Students guided

S. No.	Student name and Email id	Degree	Research Title
1	Sweety Singh sweetysinghcof@gmail.com	M.F.Sc. (Aquaculture)	Studies on the spermatological properties and standardization of cryopreservation protocol for cobia, *Rachycentron canadum*
2	Kenyum Lollen kenyumlollen@gmail.com	M.F.Sc. (Aquaculture)	Evaluation of freezing protocol to minimise cryoinjuries in the cryopreservation of *Cyprinus carpio* Linnaeus (1758) spermatozoa
3	U. Prasanna prasannaudayakumar7@gmail.com	M.F.Sc. (Aquaculture)	Effect of dietary supplementation of selenium and manganese on the feed utilization and enzyme profile in *Penaeus vannamei*
4	P. Kishoba kishobakishoba@gmail.com	M.F.Sc. (Aquaculture)	Spawning substrate and water velocity preference of *Lepidocephalichthys thermalis* for growth and gonadal maturity in captivity
5	Kaviyarasi, I. kavipriyadharshini25@gmail.com	M.F.Sc. (Aquaculture)	Effect of thermal influence on the onset of sex differentiation and sex ratio in Striped Murrel, *Channa striata*
6	Gavhane Shrinath Vaijanath shrinath.v.gavhane@gmail.com	M.F.Sc. (Aquaculture)	Effect of dietary supplementation of taurine on the growth and survival of *Channa striata* larvae