

Individual Biodata

Name	: **Dr. N. JAYAKUMAR, Ph.D.,**
Designation	: Professor and Head
Address	: Department of Fisheries Resource
	Management
	Fisheries College and Research Institute
	Tamil Nadu Dr. J. Jayalalithaa Fisheries
	University
	Thoothukudi – 628 008
	Tamil Nadu, India
Contact	
Telephone (O)	: 0461 - 2340154
Mobile	: 098655 25524
Email	: jayakumar@tnfu.ac.in
Qualification	: M.F.Sc., Ph.D (Fisheries Resource
	Management)
Field of Specialization	:
Major	: Fisheries Resource Management
Specializing field	: Aquatic Biodiversity Assessment; Fish Stock
	Assessment, Endocrine Disruption in Aquatic
	Organisms
Experience (in years)	: 19 years and 6 Months

Educational Qualification:

l. No	Degree	University or College	Year	lass / Grade / OGPA
(i)	Bachelor (B.F.Sc.)	eries College and Research Institute il Nadu Veterinary and Animal Sciences versity othukudi-628 008	1991 – 1995	8.60 / 10.00
(ii)	Master (M.F.Sc.)	eries College and Research Institute il Nadu Veterinary and Animal Sciences versity othukudi-628 008	1995 – 1998	9.40 / 10.00

(iii)	h.D (FRM)	heries College and Research Institute hil Nadu Fisheries University othukudi-628 008	2012 - 2016	9.61 / 10.00

Special Qualification:

l. No	Degree	University or College	Year	lass / Grade / OGPA
(i)	.D.B.A (PG oma in Business inistration)	Pondicherry University, Pondicherry	1996 – 1997	First Class
(ii)	.D.C.A (Post duate Diploma in Computer lications)	TECH Academy of Computer Education, Thoothukudi – 3	1993 - 1994	First Class
(iii)	t Graduate Course in pical Coastal Ecology, nagement and servation	nya Marine Fisheries Research nstitute (KMFRI), Mombasa, Kenya	06.07.1998 – 29.08.1998	First Class (Equivalent)

Ongoing Projects:

Sl. No.	Title of the Project	Year	PI & Co-PI of the Project	Funds (in Rs)	Funding Agency
1.	Post Impact Assessment for River Ranching Programme Carried out under PMMSY 2021-22	2023-24	Principal Investigator	3.98 Lakh	Department of Fisheries and Fishermen Welfare, Govt. of Tamil Nadu (under PMMSY)
2.	Assessment of spawning seasonality of Major marine fishery groups along the coast of Tamil Nadu for sustainable fishery management	2022 - 24	Principal Investigator	146.10 Lakh	Tamil Nadu State Planning Commission under TANII scheme
3.	Assessment of *Portunus pelagicus* stock based on length–frequency, spawning potential ratio and occurrence of berried female caught in bottom set gillnet from Palk Bay region	2022 - 23	Principal Investigator	6.00 Lakh	Crab Meat Processors Association, Thoothukudi– Obtained Administrative sanction from both the funding agency and University
4.	Assessment of biodiversity and biomass of non–target fish species caught in bottom set gillnet for blue swimming crab in Palk Bay region	2022 - 23	Co-Principal Investigator	4.60 Lakh	

Completed projects :

Sl. No.	Title of the Project	Year	PI & Co- PI of the Project	Funds (in Rs)	Funding Agency
1.	Generating alternative livelihood options for the coastal community towards fisheries biodiversity conservation in Tamilnadu	2011 – 12	PI	24.85 Lakhs	National Agricultural Development Programme (NADP)
2.	Appraisal of marine fish landings of Tamil Nadu	2018-19 (6 Months)	Co-PI	08.38 Lakh	Handy-Waterbase India (P) Ltd, SIPCOT Industrial Complex, Madathur Post, Tuticorin
3.	Impact of Large-scale cultivation of seaweeds on coastal environment of India	2013 – 15	Co-PI	47.24 Lakh	National Centre for Sustainable Coastal Management, Chennai
4.	Effect of kisspeptin on change in the level of reproductive hormones in striped murrel, *Channa striatus*	2010 - 13	Co-PI	49.32 Lakh	Department of Biotechnology, New Delhi
5.	Molluscan diversity of Gulf of Mannar Biosphere Reserve Region and its current exploitation rate in different fishing practices	2010 – 13	Co-PI	2.70 Lakh	Gulf of Mannar Biosphere Reserve Trust, Ramanathapuram
6.	Impact of trawling in Gulf of Mannar Biosphere Trust region	2010 – 13	Co-PI	2.60 Lakh	Gulf of Mannar Biosphere Reserve Trust, Ramanathapuram

Research publications:

1. **N. Jayakumar,** V.K. Venkataramani, T. Vaitheeswaran and P. Jawahar. 2016. Biodiversity and biology of ornamental wrasses (Family: Labridae) of Gulf of Mannar, Southeast coast of India. J. Mar. Biol. Assoc. of India, 2016, 58 (2); 99 – 103. (**NAAS: 5.28)**
2. **N. Jayakumar**, T. Francis, P. Jawahar, C.B.T. Rajagopalsamy, R. Santhakumar and A. Subburaj. 2016. Acute toxicity bioassay of cadmium on the freshwater catfish,

Heteropneustes fossilis (Bloch) and associated histological alterations in Gills. Pollution Research 2016, 35(1): 135-140. (**NAAS: 4.75)**

3. **N. Jayakumar** and A. Subburaj. 2018. Sub-lethal Cadmium toxicity induced histopathological alterations in the gill, liver and kidney of freshwater catfish (*Heteropneustes fossilis*). Journal of Entomology and Zoology Studies, 2018, 5(5): 1339 – 1345. (**NAAS: 5.53)**
4. N. Moulitharan, **N. Jayakumar**, A. Uma, J. Praveenraj, C. Sudhan, P. Kodeeswaran, 2019. Length-weight relationships of six tropical estuarine fish species from Pulicat lagoon, India. Journal of Applied Ichthyology, 36: 125 – 127. (**NASS: 6.877)**
5. M. KishoreKumar, **N. Jayakumar**, K. Karuppasamy, D. Manikandavelu, A. Uma, M. Kavipriya, 2021. Length-weight relationships of eight elasmobranch species captured along the Coromandel coast of Tamil Nadu, Eastern Indian Ocean. Journal of Applied Ichthyology: 00 – 1 – 5 https://doi.org/10.1111 /jai.14179. (**NAAS: 6.877)**
6. P. Kodeeswaran, **N. Jayakumar**, M. Srihari, R. Durairaja, J. Praveenraj, K. Abarna and N. Moulitharan, 2020. Length-weight relationship of seven bycatch fish species caught along the Chennai coast, Bay of Bengal, Eastern Indian Ocean. Journal of Applied Ichthyology, Journal of Applied Ichthyology: 00 – 1 – 3. https://doi.org/10.1111/ jai.14008. (**NAAS: 6.877)**
7. P. Kodeeswaran **N. Jayakumar,** L. Ranjith, 2020. Assessing ichthyofaunal diversity and trophic level from trawl bycatch of Chennai fishing harbor, southeast coast of India. Regional studies in Marine Science 40 (2020) 101530. (**NAAS: 7.46)**
8. P. Kodeeswaran, J. Praveenraj and **N. Jayakumar. 2020.** New Record of Bearded Ghoul, *Inimicus didactylus* (Pallas, 1769) (Scorpaeniformes: Synanceiidae) from the Southeast Coast of India. Thalassas: An International Journal of Marine Sciences DOI 10.1007/s41208-020-00228-6. (**NAAS: 6.657)**
9. P. Kodeeswaran, J. Praveenraj, **N. Jayakumar**, K. Abarna, N. Moulitharan and S.S. Mishra. 2020. First report of Shrimpgoby, *Myersina yangii* (Actinopterygii: Gobiiformes: Gobiidae), from Indian waters. Acta Ichthyologica Et Piscatoria, 50 (2): 219 – 222. (**NAAS: 6.873)**
10. A. Subburaj, P. Jawahar, **N. Jayakumar,** A. Srinivasan, B. Ahilan, 2020. Effects of acute toxicity of Chlorpyrifos (EC 50%) and associated histological alterations in gills, liver and kidney of freshwater tilapia, *Oreochromis mossambicus* (Peters, 1852). Indian Journal of Animal Research, 54 (12). (**NAAS: 6.50)**
11. Saroj Jyoti, P. Jawahar, A. Srinivasan, N., Neethiselvan, **N. Jayakumar**. 2020. Morphological identification and occurrence of engraulids eggs of Gulf of Mannar, South east coast of India. Indian Journal of Geo-Marine Sciences; 49 (09): 1565 – 1570. (**NAAS: 6.50)**

12. Saroj Jyoti, P. Jawahar, A. Srinivasan, N., Neethiselvan, **N. Jayakumar**, S. Deepika. 2020. Pelagic fish eggs diversity in the nearshore waters of Gulf of Mannar, southeast coast of India. Indian Journal of Animal Research, 54 (10): 1296 – 1303. (**NAAS 6.50)**
13. Santhoshkumar, S., Jawahar, P., Srinivasan, A., **Jayakumar, N**., Subburaj, A. 2021. Finfish Bycatch Diversity of Trawl Fishery of Nagapattinam Coast, Tamil Nadu, South India. Indian Journal of Animal Research. DOI: 10.18805/ IJAR.B-4716. (**NAAS: 6.50)**
14. S. Santhoshkumar, P. Jawahar, B. Sundaramoorthy, **N. Jayakumar**, A. Srinivasan and A. Subburaj. 2021. Occurrence of *Oratosquilla oratoria* (De Haan, 1844) and *Oratosquillina gravieri* (Manning, 1978) from the trawl bycatches of Nagapattinam region, Tamil Nadu (Indian Journal of Geo Marine Sciences Vol. 50 (12), December 2021, pp. 1029-1036) (**NAAS: 6.50)**.
15. Santhoshkumar, S., Jawahar, P., Srinivasan, A., **Jayakumar, N**., Subburaj, A. 2021. Finfish Bycatch Diversity of Trawl Fishery of Nagapattinam Coast, Tamil Nadu, South India. Indian Journal of Animal Research. DOI: 10.18805/ IJAR.B-4716. **NAAS: 6.20**
16. N. Jesintha, **N. Jayakumar**, K. Karuppasamy, B. Ahilan, D. Manikandavelu, A. Uma, K. Madhavi. 2021. An Annotated Checklist of Finfish and Shellfish Diversity of Pulicat Lake, Southeast Coast of India. Indian Journal of Animal Research. 10.18805/IJAR.B-4740 (**NAAS: 6.50)**
17. N Moulitharan, **N Jayakumar**, A Uma, J Praveenraj and P Kodeeswaran. 2021. New distributional record of *Istigobius diadema* (Steindachner, 1876) and *Lobotes surinamensis* (Bloch 1790) from the Pulicat lagoon, India: Indian Journal of Geo Marine Sciences Vol. 50 (08), August 2021, pp. 673-676 (**NAAS: 6.50)**
18. Ravikumar, T., N. Neethiselvan, N. **Jayakumar**, C. Sudhan, T. Umamaheswari, P. Padmavathy. 2022. Length-weight relationships of three demersal reef fishes caught by longline inhabiting the marine waters of Gulf of Mannar, India. *Journal of applied ichthyology*. 00, 1–3. https://doi.org/10.1111/jai.14327. (**NAAS: 6.892)**
19. R. Durairaja, P. Jawahar, **N. Jayakumar**, S.K. Das, P. Padmavathy, R. Santhakumar, E. Suresh,S. David Kingston and V.K. Venkataramani. 2022. An Annotated Checklist of Ichthyofaunal Diversity of the Potamon Zone of Thamirabarani River, South India. Indian Journal of Animal Research. (Indian Journal of Animal Research. DOI: 10.18805/IJAR.B-4891). (**NAAS: 6.44)**
20. N. Jesintha, **N. Jayakumar**, K. Karuppasamy and K. Madhavi. 2022. Demographic characteristics and stock assessment of the giant tiger prawn, *Penaeus monodon* fabricius, 1798 (Decapoda, Dendrobranchiata) in Pulicat Lake, Southeast coast of India: Crustaceana ,95 (5-6): 561-571 **(NAAS: 6.60)**
21. R. Durairaja, P. Jawahar, **N. Jayakumar**, C. Sudan, S.K. Das, E. Suresh, R Santhakumar and P. Padmavathy.2022. Stock assessment of three cyprinid fishes along the potamon

zone of Thamirabarani river, Eastern Slope of Western Ghats, South India. Pakistan Journal of Zoology. (DOI: https://dx.doi.org/10. 17582/journal.pjz/20220718070700). ***NAAS: 6.83)**

22. Ravikumar, T., N. Neethiselvan, N.**Jayakumar**, C. Sudhan, T. Umamaheswari, P. Padmavathy. 2022. Length-weight relationships of three demersal reef fishes caught by longline inhabiting the marine waters of Gulf of Mannar, India. *Journal of Applied ichthyology*. 00, 1–3. https://doi.org/10.1111/jai.14327. (**NAAS: 6.892)**
23. S. Santhoshkumar, P. Jawahar, A. Srinivasan, **N, Jayakumar**, A. Subburaj, K. Karuppasamy and M. Srihari. 2023. Analysis of temporal patterns of ichthyofaunal bycatch landed along the Thoothukudi Coast, Gulf of Mannar, India (Thalassas: An International Journal of Marine Sciences https://doi.org/ 10.1007 /s41208-023-00534-9). **(NAAS:6.62)**
24. Santhoshkumar, S., Jawahar, P., Srinivasan, A., **Jayakumar,** N., Subburaj, A., Karuppasamy, K., & Srihari, M, 2023. Analysis of Temporal Patterns of Ichthyofaunal Bycatch Landed Along the Thoothukudi Coast, Gulf of Mannar, India. Thalassas: An International Journal of Marine Sciences, 1-14. **(NAAS: 6.70)**
25. Adyasha Sahu, V.K. Venkataramani, **N. Jayakumar**, R. Durairaja, P. Preetysh Nanda and C. Sudhan. 2023. Carapace Length–Weight, Carapace Width–Weight Relationships and Relative Condition Factor of Four Portunid Crab Species of the Gulf of Mannar, Southeast Coast of IndiaPakistan Journal of Zoology, Online published, DOI: https://dx.doi.org/10.17582/ journal.pjz/20221010101012 2023: **(NAAS: 6060)**
26. Ravikumar, T., N. Neethiselvan, **N. Jayakumar**, C. Sudhan, T. Umamaheswari, P. Padmavathy, 2023. Length-weight Relationships and Fulton's Condition Factor (K) for 29 Demersal Reef Fishes Caught by Longline. Thalassas: An International Journal of Marine Sciences. Online Published article. https://doi.org/10.1007/s41208-023-00588-9.: **(NAAS: 6.7)**
27. Moulitharan, N., **N. Jayakumar**, A. Uma, B. Ahilan. 2023. New Distributional Record of *Mugilogobius Tigrinus* Larson, 2001 and *Mangarinus Waterousi* Herre, 1943 (Gobiiformes: Gobiidae) From Indian Waters. Natl. Acad. Sci. Lett. https://doi.org/10.1007/s40009-023-01245-8
28. Moulitharan, N., **N. Jayakumar**, A. Uma, B. Ahilan. 2023. First Record of Stripe-faced Calamiana *Eugnathogobius Mindora* (Herre, 1945) in India, and Distribution Range Extension of Banded Mullet goby *Hemigobius hoevenii* (Bleeker, 1851) and *Acentrogobius viganensis* (Steindachner, 1893) (Gobiiformes: Gobiidae) Collected from Pazhaverkaadu Lagoon and Ennore Estuary, South India. Thalassas: An International Journal of Marine Sciences https://doi.org/10.1007/s41208-023-00522-z
29. N. Jesintha, **N. Jayakumar**, K. Madhavi and K. Karuppasamy. 2023. Fishery and population characteristics of the Indian white shrimp, *Penaeus indicus* h. Milne Edwards,

1837 (Decapoda, Dendrobranchiata) in Pulicat Lake, Southeast coast of India: Crustaceana, 96 (4): 331-341 **(NAAS: 6.60)**

30. Prabhanjan Kumar Reddy, C., D, Manikandavelu, U. Arisekar, B. Ahilan, A. Uma, **N. Jayakumar**, W. Kim, M. Govarthanan, C. Harini, R. Sri Vidya, N. Madhavan, D. Ravindra Kumar Reddy. 2023. Toxicological effect of endocrine disrupting insecticide (deltamethrin) on enzymtaical, haematologoical and histopthological changes in the freshwater iridescent shark, *Pangasius hypothalamus*. Environmental Toxicology and Pharmacology. Vol (101): **(NAAS: 10:30)**

31. N. Veerabhadra Rao, P. Jawahar, N. Jayakumar, N.V. Sujathkumar, V. Rani, Ramesh Rathod, Hari Prasad Mohale, K. Karuppasamy, N.R. Kalavathi, 2024. Length-weight Relationship and Condition Factor of Siluriformes Fish Species, Endangered *Eutropiichthys vacha*, Hamilton (1922) and Endemic Deccan Catfish *Rita kuturnee* (Sykes, 1839) of Godavari River Andhra Pradesh, South India. Indian Journal of Animal Research, Volume 58 Issue 2: 336-341 (February 2024): **(NAAS: 6.50)**

32. N. Veerabhadra Rao, P. Jawahar, **N. Jayakumar**, N.V. Sujathkumar, V. Rani, Ramesh Rathod and Hari Prasad Mohale. 2024. An Annotated Checklist of Ichthyofaunal Diversity of the Godavari River, Andhra Pradesh, India. Pakistan J. Zool., pp 1-12, 2024. DOI: https://dx.doi.org/10.17582/journal.pjz/20230820044600 **(NAAS: 6.60)**

33. Kesavan, S., **N. Jayakumar**, S. Santhoshkumar, A. Subburaj and S. Balasundari. 2024. Dynamics of marine debris in the Point Calimere Wildlife and Bird Sanctuary, Southeastern coast of India. Ocean & Coastal Management, vol (251) **(NAAS: 10.60)**

Honours and Awards

1. Received **International Fellowship** from Intergovernmental Oceanographic Commission (IOC) and Belgium Administration for Development and Cooperation under Kenya-Belgium Project in Marine Sciences to undergo "Post Graduate Course in Tropical Coastal Ecology, Management and Conservation" at Kenya Marine Fisheries Research Institute, Mombasa, Kenya during July – August, 1998
2. Received **"Best Teacher Award"** from Tamil Nadu Fisheries University, Nagapattinam during 2015
3. Received **"Best Paper Award (First Prize)"** at the "2nd National Conference on Agricultural Scientific Tamil" organised by Agricultural Scientific Tamil Society, New Delhi during 2016
4. Received "**TNFU Gold Medal**" for being Ph.D Scholar at the III Convocation of Tamil Nadu Fisheries University, Nagapattinam on 01.07.2017

5. Received **"Best Paper Award (First Prize)"** at the "4th National Conference on Agricultural Scientific Tamil" organised by Agricultural Scientific Tamil Society, New Delhi in 2018
6. Received **"Best Teacher Award"** from Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam in 2019
7. Received **"Best Paper Award (First Prize)"** at the "6th National Conference on Agricultural Scientific Tamil" organised by Agricultural Scientific Tamil Society, New Delhi in 2020
8. Received **"Best Teacher Award"** from Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam in 2021

N. JAYAKUMAR