

# CURRICULUM VITAE

**Dr. SIRAJUDHEEN T.K.**



Thayyil Kadengal house  
Kanmanam Thekkumuri P.O  
Kalpakanchery via  
Malappuram Dt.  
Kerala, INDIA. PIN: 676551

☎ +91 9446673846 (IND)

☎ +966 549198456 (KSA)

✉ [sirajaqb@gmail.com](mailto:sirajaqb@gmail.com)

**Skype ID: *sirajaqb***

Date of Birth : 05/12/1984

Sex : Male

Marital Status : Married

Religion : Islam

Nationality : Indian

Passport No. : R4220021

Date of Issue : 01/12/2017

Date of Expiry : 30/11/2027

## **Career Objectives**

🏃 Teaching in Marine Biology,  
Fisheries & Aquaculture

🏃 Research in the field of Fish  
Taxonomy, Ecology,  
Biodiversity & Fisheries

🏃 Technical Documentation /  
Biodiversity Assessment

🏃 Biodiversity conservation &  
management

🏃 Academic administration /  
Coordination

## **Brief**

- ☑ Fisheries Scientist at King Abdullah University of Science & Technology (KAUST), KSA since 2021.
- ☑ Eight years of Teaching experience in Marine Biology, Zoology, Aquaculture & Fish Processing.
- ☑ M.Sc & Ph.D in Aquatic Biology & Fisheries
- ☑ Second Rank holder in M.Sc Aquatic Biology
- ☑ Publications & Presentations – 30 +.
- ☑ Undertook various Training Sessions to update subject knowledge and research skills.
- ☑ Expertise in common computer softwares & tools in the field of specialization.

## **Skills**

- 🏃 Teaching & research skills in the field of Fisheries, Marine Biology & Aquaculture.
- 🏃 Lab skills in Taxonomy, Ecology & Biodiversity.
- 🏃 Good in Technical document Preparation.
- 🏃 Good in Administration & Coordination.
- 🏃 Good communication & presentation skills.
- 🏃 Languages - English : Read, Write & Speak  
Hindi & Arabic : Read & Write

## **Achievements**

- 🏆 Possessing Second Rank in Masters Degree.
- 🏆 Availed Research Fellowship of Kerala State Council for Science Technology & Environment.
- 🏆 Holding Two Best Paper Presentation.
- 🏆 Guided Six M.Sc and three batches of B.Sc student projects.
- 🏆 Organized about 11 Scientific/Awareness Programmes and chaired a scientific session.
- 🏆 Invited Talks and Lectures provided in about eight academic/training sessions.

## **Experience**

### **Fisheries Scientist**

🕒 Oct. 2021 – till date

### **Assistant Professor in Marine Biology**

🕒 Aug. 2019 – Sept. 2021

### **Assistant Professor in Zoology**

🕒 Jul. 2015 - Apr. 2018

### **Assistant Professor in Fish Processing Technology**

🕒 Dec. 2013 - Jul. 2015

### **Assistant Professor in Aquaculture**

🕒 Sep. 2012 – Dec. 2013

### **Researcher in Marine Fish Taxonomy**

🕒 May.2008 - Sep. 2012

### **Post Graduate Teacher in Biology**

🕒 July. 2007 – March 2008

## **Education**

Course	Board/University	Year	% , Position
Ph. D Aquatic Biology & Fisheries	University of Kerala, India	2012	Awarded
M.Sc Aquatic Biology & Fisheries	University of Kerala, India	2007	80%, Second Rank
B.Sc Industrial Fish & Fisheries	University of Calicut, India	2005	82%, First class
V.H.S.E (Medical Lab Technology)	VHSE Board of Kerala	2002	75%, Distinction
S.S.L.C	Educational Board, Kerala	2000	60%, First class
DCA (Diploma in Computer Application)	C-DIT, Govt. of Kerala	2011	60%, First class

## **Research/Project works done**

1. **Ph.D:** Studies on the Diversity of Marine ornamental fishes of Kerala coast.
2. **M.Sc:** Studies on Effect of *Streptomyces* associated with seaweeds as single cell protein on the growth of prawn *Macrobrachium rosenbergii* and antagonism against pathogens.
3. **Funded Projects:** Handled Three projects funded by Kerala State Council for Science Technology & Environment.

## Research achievements

Research Publications	Numbers	Total	Best Paper Awards	3
International Journals	13	21	Invited Talks and Lectures provided	8
Seminar Proceedings	5		Fellowships & Honours	2
Chapter in Book	3		M.Sc & B.Sc student projects guided	9
Presentations	Oral	Poster	Trainings and workshops attended	15
International Seminar	8	3	Seminars and Conferences attended	31
National Seminar	7	3	Programmes organized/ chaired	11

## Participation in Research Projects

Period	Project Title	Role
2024-till now	Recreational Fishing, Traditional Knowledge, Fishing Fleet and Alternative Livelihoods in NEOM, Red Sea	Fisheries Scientist
2024-till now	Fisheries Dependent Stock Assessment of the Traditional Fishery in NEOM, Red Sea	Fisheries Scientist
2024-till now	Elasmobranch Fish Market Surveys in Red Sea and Arabian Gulf – NCW-KAUST 2024	Fisheries Scientist
2023-2024	Ecosystem-Based Fisheries Management Plan for NEOM, Red Sea	Fisheries Scientist
2023-2024	Assessment of Coral Reef and Pelagic Fisheries in NEOM Phase I	Fisheries Scientist
2021-2023	Assessment of the major fish stocks and habitats in the Red Sea waters of the Kingdom of Saudi Arabia	Fisheries Scientist
2021-2023	Shrimp Stock Assessment and Management Measures in Red Sea / Fisheries Specialist	Fisheries Scientist
2020-2021	Diversity of shelled molluscs in the intertidal regions of Lakshadweep islands (Funded by KSCSTE)	Principal Investigator
2020-2021	Studies on the effect of Marine Yeast <i>Rhodothorula paludigena</i> as pigment enhancer for ornamental fishes	Supervisor
2017-2018	Molluscan diversity in the intertidal rocky reef areas of Thirumullavaram Coast, Kollam, Kerala	Supervisor
2017-2018	An Experimental Study on the Small scale Aquaponics	Supervisor
2014-2015	Proximate composition of raw and processed fish products – a comparative (Funded by KSCSTE)	Principal Investigator
2014-2015	Studies on the effectiveness of Potassium acetate and potassium lactate as shelf life extender in fish fillet processing (Funded by KSCSTE)	Principal Investigator
2014-2015	Preparation of byproducts from Tuna processing waste	Supervisor
2014-2015	Effect of potato extract as antioxidants in Fish processing	Supervisor
2014-2015	Antimicrobial activity of the leaf extract of <i>Clitoria ternatea</i> in fish curing	Supervisor
2013-2014	Freshwater fishes in Lakshadweep islands; introductions and possible impacts	Supervisor

## Publications in International Journals

- Goutham-Bharathi, M. P., **Sirajudheen, T. K.**, Santucci, R. G., Fricke, R. and Dimech, M. (2024). First record of Triacanthidae Bleeker, 1859 (Actinopterygii: Tetraodontiformes) from the Red Sea. *Acta Ichthyologica et Piscatoria*, 54, 21–25. <https://doi.org/10.3897/aiep.54.115071>

2. Rekha R., Nimsi, K.A., Manjusha K., & **Sirajudheen T. K.** (2023). Marine yeast *Rhodotorula paludigena* VA 242 a pigment enhancing feed additive for the Ornamental Fish Koi Carp. In *Aquaculture and Fisheries*. Volume 9, Issue 1. DOI: <https://doi.org/10.1016/j.aaf.2022.05.008>
3. **Sirajudheen T. K.**, Shyam.S. Salim., Bijukumar A. and Bindu Antony (2014). Problems and Prospects of Marine Ornamental fish trade in Kerala, India. *Journal of Fisheries Economics and Development*. Vol. XV, Number - 1.
4. **Sirajudheen, T.K.**, Dhevendaran, K. and Pramod Kiran, R.B. (2014). Studies on the effect of *Streptomyces* associated with seaweeds as single cell protein on the growth of prawn *Macrobrachium rosenbergii* and antagonism against pathogens. *Journal of Aquatic Biology and Fisheries*. Vol. 2(1) 2014: 256-259. ISSN 2321-340X
5. Mohammed Noushad K., **Sirajudheen T.K.** and Idrees Babu, K.K. (2014). Intertidal ichthyofaunal diversity of Androth Island, Lakshadweep, India – a call for developing culture based fishery. *Journal of Aquatic Biology and Fisheries*. Vol. 2(1): 304-306. ISSN 2321-340X
6. **Sirajudheen T. K.** and Biju Kumar, A. (2014). Diversity of marine ornamental fishes associated with trawl by-catch landings in Neendakara fishing harbour, Kerala. *Journal of Aquatic Biology and Fisheries*. Vol. 2(1) 2014: 247-255. ISSN 2321-340X
7. **Sirajudheen T. K.** and Biju Kumar, A. (2014). Ichthyofaunal diversity associated with the rocky habitats of Thiruvananthapuram coast, Kerala, India. *Journal of Aquatic Biology and Fisheries*. Vol. 2/2014/ pp. 697 to 703. ISSN 2321-340X
8. **Sirajudheen T. K.** and Jazeer Khan K. (2014). Freshwater pond ecosystems and ichthyofaunal diversity of Lakshadweep islands, India. *Journal of Aquatic Biology and Fisheries*. 2/2014/ pp. 691 to 696. ISSN 2321-340X
9. **Sirajudheen T. K.** and A. Biju Kumar (2013). Diversity and abundance of marine ornamental fishes associated with trawl by-catch of northern Kerala, India. Published online in *Journal of Basic and Applied Biology*, ISSN 0973-8207. Vol. 7, No.3, 2013, pp. 173-176.
10. Biju Kumar A. and **T. K. Sirajudheen** (2012). INDIAN EELS: First record of the reticulated moray eel *Muraena retifera* from the Indian coast. In, *JMBA Global Marine Environment*, SPRING 2012. ISSUE 15, 33p.
11. **Sirajudheen T. K.** and A. Biju Kumar (2012). First record of *Paratriacanthodes retrospinis* Fowler, 1934 (Tetraodontiformes: Triacanthodidae) from India. *Check List* 8(4):752-753.
12. Shyam S. Salim, **Sirajudheen T. K.**, Bijukumar A., PramodKiran R. B and K.V Premdev (2012). Harnessing ornamental fisheries resources for sustainable growth and development: a trade perspective from Kerala. *Journal of Aquatic Biology and Fisheries*., 1 (1 & 2): 155-168. ISSN 2321-340X

13. **Sirajudheen T. K.** and A. Biju Kumar (2011). First record of reticulated moray, *Muraena retifera* Goode & Bean, 1882 [Anguilliformes: Muraenidae] from Indian coast. In, *Marine Biodiversity Records*, Marine Biological Association of United Kingdom. Published online: 18 November 2011. DOI:10.1017/S1755267211000984.

### ***Publications in National/International Seminar Proceedings***

1. Amurtha R. Nayak., **Sirajudheen T.K.** & Anura M. Krishna. (2017). *Predatory Fish landings and possible impacts on marine food web: a case study from Kollam coast, Kerala*. In proceedings of the International seminar on Coastal Biodiversity on 5<sup>th</sup> and 6<sup>th</sup> January at SG College, Kottarakkara. Pp: 185-194.
2. Sayana K.S. and **Sirajudheen T.K.** (2017). *By-products from Tuna processing wastes – an economic approach to coastal waste management*. In proceedings of the International seminar on Coastal Biodiversity on 5<sup>th</sup> and 6<sup>th</sup> January at SG College, Kottarakkara. Pp: 411-420
3. **Sirajudheen T. K.** and Jazeer Khan K. (2014). Freshwater fishes in Lakshadweep islands: Introductions and possible impacts. In Proceedings, National Seminar on Lakes, Rivers and wetland ecosystems- A climate change perspective. Organized by Dept. of Geology, MES Ponnani College, Malappuram, Kerala, India. pp. 260-267
4. **Sirajudheen T. K.** and Biju Kumar A. (2013). Diversity of marine ornamental fishes associated with trawl by-catch landings in Munambam fishing harbour, Kerala. In Proceedings, National Seminar on Water Resource Management: Present uses, Status, Conservation and Co-ordination. Organized by Dept. of Zoology, Bishop Moore College, Mavelikkara, Kerala, India. ISBN 978-81-7821-545-7. pp. 221-229.
5. **Sirajudheen T. K.** and Biju Kumar A. (2011). Marine Ornamental Fish resources of Vizhinjam Bay, Kerala. In Proceedings of the National seminar on Emerging Trends in Biodiversity conservation and sustainable Management. Organized by Dept. of Zoology, Christian College, Chengannur, Kerala. 58-70.

### ***Chapter in Book***

1. Biju Kumar A., **Sirajudheen T. K.** and Barman R.P. (2019). Marine and Estuarine Fishes. In: Fauna of Kerala. State Fauna Series 24 (Part 1). ZSI, Kolkatta. 369-500.
2. **Sirajudheen T. K.** and Biju Kumar A. (2012). Biodiversity of Marine Ornamental Fishes along Kerala Coast. In (Eds: Edited by : Biju Kumar, A. Nayar, M.P. Varma, R.V. and C.K. Peethambaran) Biodiversity and Taxonomy. Narendra Publishing House. New Delhi. ISBN: 978-93-80428-92-5. 315 – 327.
3. Biju Kumar A., **Sirajudheen T.K.**, Rajesh L. and Tresa Radhakrishnan (2010). Marine Fish and Fisheries of Kerala - Heritage, Diversity and Conservation Paradigms. In Conservation of Fishes in Kerala, India. (eds. Leonard Sonnenschein and Allen Benziger). World Aquarium, St. Louis, U.S.A., pp. 32-102.

## **Paper Presentations in International Seminars**

1. **Sirajudheen Thayyil Kadengal**, Mark Dimech and Eyup Mumtaz Tirasin (2024). Observations on the Biology and Fishery of the Dog Tooth Tuna (*Gymnosarda unicolor*) in the Eastern Red Sea. Paper Presented at the International Fisheries Congress & Expo 2024 on 12<sup>th</sup> to 14<sup>th</sup> January 2024 held at Kerala University of Fisheries & Ocean Studies, Kerala, India.
2. **Sirajudheen Thayyil Kadengal.**, Vahdet Unal., Eyup Mumtaz Tirasin and Mark Dimech (2023). Diversity and potential commercial value of edible discarded by-catch species in shrimp trawl fishery in the Southeastern Red Sea. Paper Presented in the International Conference on the Marine Environment of the Red Sea (ICMERS 2023) on 13<sup>th</sup> to 15<sup>th</sup> November 2023 held at KAUST, Saudi Arabia.
3. **Sirajudheen Thayyil Kadengal.**, Adel M. Adam., Mark Dimech and Eyup Mumtaz Tirasin (2023). Population dynamics and Fishery biology of yellow-edged lyretail *Variola louti* (Forssakal, 1775) along the Saudi coast of the Red Sea. Paper Presented in the International Conference on the Marine Environment of the Red Sea (ICMERS 2023) on 13<sup>th</sup> to 15<sup>th</sup> November 2023 held at KAUST, Saudi Arabia.
4. **Sirajudheen T.K.** and Manjusha N. (2017). Antimicrobial activity of leaf extracts on spoilage causing microorganisms of dried fishes. In the abstract of International Conference on Tropical Plants & Molecular Design organized by Dept. of Chemistry, TKMCAS, Kollam. P: 94.
5. **Sirajudheen T.K.** and Hajara V.M. (2017). Effect of potato extract as antioxidants in fish processing. In the abstract of International Conference on Tropical Plants & Molecular Design organized by Dept. of Chemistry, TKMCAS, Kollam. P: 50
6. Sayana K.S. and **Sirajudheen T.K.** (2017). By-products from Tuna processing wastes – an economic approach to coastal waste management. In proceedings of the International seminar on Costal Biodiversity on 5<sup>th</sup> and 6<sup>th</sup> January at SG College, Kottarakkara. Pp: 411-420.
7. Amurtha R. Nayak., **Sirajudheen T.K.** & Anura M. Krishna. (2017). Predatory Fish landings and possible impacts on marine food web: a case study from Kollam coast, Kerala. In proceedings of the International seminar on Costal Biodiversity on 5<sup>th</sup> and 6<sup>th</sup> January at SG College, Kottarakkara. Pp: 185-194.
8. **Sirajudheen T. K.** and A. Biju Kumar (2013). Diversity and abundance of marine ornamental fishes associated with trawl by-catch of northern Kerala, India. In, Book of abstracts, “International Seminar on ‘Advances in Aquaculture Technologies” organized by Dept. of Zoology, All Saints College, Thiruvananthapuram, Kerala, India.
9. **Sirajudheen T. K.** and Biju Kumar, A. (2013). Ichthyofaunal diversity associated with the rocky habitats of Thiruvananthapuram coast, Kerala, India. In, Book of abstracts, International Conference on Ecosystem Conservation, Climate Change and Sustainable Development (ECOCASD 2013) Organized by Dept. of Aquatic

Biology and Fisheries, University of Kerala and Govt. of Kerala. 3-5 October 2013. Thiruvananthapuram, Kerala, India. 240p.

10. Jazeer Khan K. and **Sirajudheen T. K.** (2013). Freshwater pond ecosystems and ichthyofaunal diversity of Lakshadweep islands, India. In, Book of abstracts, International Conference on Ecosystem Conservation, Climate Change and Sustainable Development (ECOCASD 2013) Organized by Dept. of Aquatic Biology and Fisheries, University of Kerala and Govt. of Kerala. 3-5 October 2013. Thiruvananthapuram, Kerala, India. 213p.
11. **Sirajudheen T. K.** and Biju Kumar A. (2010). Diversity of Ornamental Fish resources along Kerala Coast. In Book of Abstracts, International seminar on “Ornamental Fish Breeding, Farming and Trade” organized by the Dept. of Fisheries, Govt. of Kerala in association with Ministry of Agriculture, Govt. of India and Fisheries Resource Management Society at Ernakulam, Kerala. 38p.

### **Scientific/Awareness Programmes Organized and Session Chaired**

1. Two day Exhibition on Freshwater ornamental fishes “Matsya-2014” on 2<sup>nd</sup> & 3<sup>rd</sup> December 2014.
2. International Tiger Day observance on 29<sup>th</sup> July 2015.
3. World Environmental Day observance on 6<sup>th</sup> June 2016.
4. International Tiger Day observance on 29<sup>th</sup> July 2016.
5. Awareness on Water Conservation on 24<sup>th</sup> November 2016.
6. Vegetable plantation in campus as a part of *Haritha Keralam* project in December 2016.
7. World Wetland Day observance on 6<sup>th</sup> February 2017.
8. National Science Day Celebrations on 21<sup>st</sup> to 23<sup>rd</sup> February 2017.
9. Water Conservation Awareness Programme on Campus in connection with the World Water Day observance on 22<sup>nd</sup> March 2017.
10. World Environmental Day observance on 13<sup>th</sup> June 2017.
11. World Wetland Day observance on 2<sup>nd</sup> & 5<sup>th</sup> February 2018.

### **Chairman in conduct of Scientific Session**

1. Co-chaired a Session in National Seminar on Emerging Trends in Indian Aquaculture (Etia 2013) Organized by Dept. of Aquatic Biology and Fisheries, University of Kerala and Dept. of Fisheries, Govt. of Kerala. 21-23 March 2013.

### **Invited Talks & Lectures provided**

1. Delivered a lecture on “**Marine Biodiversity**” at SN College, Kollam, Kerala on 14<sup>th</sup> March 2017 as a part of Biospectrum-2017 Regional Seminar Series.
2. Gave a lecture on “**Marine Life**” at SN College, Kollam, Kerala on 7<sup>th</sup> June 2016 as a part of World Ocean Day celebrations.
3. Gave an extension lecture on “**Culture Practices and Management of Freshwater Fishes**” at Nilambur as a part of Matsya Samrudhi Project implemented by Govt. of Kerala on 30<sup>th</sup> June 2014.
4. Gave a lecture on “**Management of Freshwater Fish culture in Ponds**” at Malappuram as a part of Matsya Samrudhi Project implemented by Dept. of Fisheries, Govt. of Kerala on 10<sup>th</sup> July 2014.
5. Delivered an invited lecture on “**Scope for Freshwater Ornamental Fish Culture**” as a part of Matsya Samrudhi Project implemented by Govt. of Kerala at Malappuram on 2<sup>nd</sup> August 2014.
6. Gave an extension lecture on “**Carp Fish Culture**” at Chaliyar Panchayat hall as a part of Matsya Samrudhi Project implemented by Dept. of Fisheries, Govt. of Kerala on 23<sup>rd</sup> August 2014.

7. Gave an extension lecture on **“Ornamental Fish Culture and Possibilities”** at Tirur in a training programme conducted jointly by Reliance foundation and Matsya Samrudhi Project implemented by Dept. of Fisheries, Govt. of Kerala on 5<sup>th</sup> December 2014.
8. Provided an invited talk on **“Fishery By-Products and Value Addition”** at Post Graduate Department of Aquaculture, MES Ponnani College, Malappuram on 12<sup>th</sup> August.

### **Training courses & workshops attended**

1. **Work shop on Research Methodology** organized by Rajiv Gandhi Chair in Contemporary studies, Cochin University of Science and Technology and Dept. of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram, Kerala on 27<sup>th</sup> September 2008.
2. **Three day workshop on "Emerging statistical tools in Life Sciences"** organized by the Department of Aquatic Biology and Fisheries, University of Kerala on 11<sup>th</sup> to 13<sup>th</sup> March, 2012.
3. Workshop on **“Application of statistics in biology”** at S N College Varkala on 17<sup>th</sup> February 2016.
4. Workshop on **‘Marine Biodiversity’** at University of Kerala, Thiruvananthapuram on 29.11.2016.
5. Workshop on **‘Coastal and Marine Biodiversity Documentation’** at University of Kerala, Thiruvananthapuram on 25<sup>th</sup> – 26<sup>th</sup> March 2017.
6. UGC-ICF Workshop on **Ecosystem Service Assessment for the sustainable management of Ashtamudi and Sasthamkotta lakes, Kerala** organized by the Department of Environmental Science, University of Kerala on 31<sup>st</sup> July & 1<sup>st</sup> August 2017.
7. **Brainstorming Workshop on Sustainable Management of Ornamental Fish resources of Kerala** organized by Dept. of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram, Kerala on 21<sup>st</sup> November 2011 in connection with World Fisheries Day 2011.
8. **Biodiversity Kids Discovery and Teacher orientation programme of Sastrotsavam 2010** organized by University of Kerala and Sarva Shiksha Abhiyan, Kerala on 18<sup>th</sup> - 20<sup>th</sup> May 2010.
9. Orientation workshop for **Walk With Scholar programme** on 11<sup>th</sup> January 2017 at FMN College, Kollam, Kerala.
10. Orientation workshop for **Scholar Support Programme** on 16<sup>th</sup> February 2017 at DB College, Shasthamkotta, Kerala.
11. One-month training course in **Ms. Office** in Computer knowledge from A.M.U.P. School Computer center, Kanmanam, Malappuram, Kerala on 1<sup>st</sup> to 31<sup>st</sup> October 2002.
12. One-month training course in **Seafood Processing Technology & Quality Control** at Integrated Fisheries Project, Cochin, Kerala, India on 1<sup>st</sup> to 31<sup>st</sup> December 2003.
13. One-week training course in **Seed production and Hatchery management of Indian Major Carps** at National Fish Seed Farm, Malampuzha, Kerala, India on 2<sup>nd</sup> to 7<sup>th</sup> August 2004.
14. Training on **Marine Ornamental Fish Culture** organized by Faculty of Marine Sciences, Annamalai University on 19<sup>th</sup> - 23<sup>rd</sup> October 2010.
15. One week training on **Fish Processing Technology** at Central Institute of Fisheries Technology, Cochin, Kerala, India on 15<sup>th</sup> to 20<sup>th</sup> January 2014.

### **References**

**Dr. S Suresh Kumar**

Professor & Dean  
SOST, Kerala University of Fisheries &  
Ocean Studies, India  
suresh.kufos@gmail.com

**Dr. Razia Beevi**

HOD, Dept. of Aquaculture  
MES Ponnani College  
Malappuram, Kerala, India  
razia.mes@gmail.com

**Dr. A Biju Kumar**

Professor & Dean  
Dept. of Aquatic Biology  
University of Kerala, India  
bijupuzhayoram@gmail.com

### **Declaration**

I Sirajudheen T.K do hereby declare that the information furnished above is true to the best of my knowledge.

Sirajudheen T.K