



# MUTHIAH SETHUPATHY A

Master of Fisheries Science (M.F.Sc)

## FISH MICROBIOLOGIST

### PERSONAL INFO

I seek opportunities to develop my skills and utilise my knowledge for the organisation's success. I would work hard to prove myself a potential recruit with dedication, punctuality and strong communication skills. Being a quick learner with good technical skills and a great interest in scientific learning, teaching and problem-solving ability.

### EDUCATION

- **M.F.Sc (Fish Processing Technology)-** **2022**  
Tamilnadu Dr.J.Jayalalithaa Fisheries University, CGPA-8.90
- **B.F.Sc-Dr. MGR Fisheries College and** **2019**  
Research Institute, Ponneri, Tamil Nadu, CGPA-8.31
- **HSS-Vidyaa Vikas Matric Hr Sec** **2015**  
School, Varahoorampatty, Namakkal, Percentage-95.41%
- **SSLC-KVS MHSS, Virudhunagar,** **2013**  
Percentage-97.6%

### COLLEGE EXPERIENCE

- Ornamental fish culture, Aquaponics. Recirculating Aquaculture Systems and vermiculture at ARFF, Madhavarm.(Duration- 3 month)
- Shrimp farming at DIG Shrimp Farm, Thachoor (1 month)
- IMC and Chinese Major Carps(CMC) Hatchery at Manimuthar Dam Fish seed rearing centre, Manimuthar, Tamil Nadu State Fisheries department (30 days)
- *Penaeus monodon* and *P.vannamei* hatchery at Ganapathipuram CeSA centre (KGCeSA)-30 days.
- Quality Analysis and Processing of Shrimp and Ribbonfish at Naga Hanuman Fish Packers, Visakhapatnam-15 days
- Surimi products, Value added fish products, Fish meal, fish oil production, retorting and Fish product development at Dr MGR Fisheries College and Research Institute, Ponneri-30 days

### CONTACT

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🌐 <https://www.linkedin.com/in/muthiah-sethupathy-963018111/>

### SKILLS

- MS Office package & SPSS software
- Proximate Analysis
- PCR & Gel documentation
- Fish quality indices Analysis
- Idea and Concept developing
- English proficiency and writing

92%

- Computer skills

80%

- Multidisciplinary knowledge

75%

- Languages Known-English & Tamil

## REFERENCE

**Dr. S. Balasundari, M.F.Sc., Ph.D**  
Dean i/c  
TNJFU - Dr M.G.R. FC&RI,  
Thalainayeru-614 712,  
Nagapattinam,  
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**Dr. A. Uma, M.F.Sc., PhD**  
Professor and Head,  
Department of Aquatic Animal  
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**Dr. Cheryl Antony M. F. Sc., PhD**  
Professor and Head,  
Department of Aquaculture,  
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## AREA OF INTEREST

- Microbiological Analyst
- Shrimp Hatchery Management
- Aquaculture
- Fish Quality Analyst

## CURRICULUM ACTIVITIES

- Submitted a thesis entitled - "Assessment of Compliance of Microbiological Standards in Food Fishes from the Selected Fish Markets of Chennai Region".
- Analysis of different hemolytic patterns of various *Escherichia coli* pathogroups, *Vibrio cholerae*, and *Vibrio parahaemolyticus* during the post-monsoon season along the Chennai coast.
- Worked as a part of the development of solid-state fermented fish feed from Eicchornia powder using *Bacillus subtilis*

## CO-CURRICULAR ACTIVITY

- Completed eight days (May 1-8) online training programme(ICAR-NAHEP) on "Innovative approaches in Seafood processing and Quality Control" by ICAR-Central Institute of Fisheries Education, Mumbai.
- Participated one-day webinar on "Implementation of HACCP in Fish Processing Plants" sponsored by NFDB-PMMSY(30.09.2021) at Dr. MG.R. FC&RI, Tuticorin.
- Attended National Workshop on "Development of Ecologically Sustainable Fisheries Management Plan for Pulicat Lake" at Dr. M.G.R. FC&RI, Ponneri(1st Feb, 2019).

## CONFERENCE & PRESENTATIONS

- Participated and presented an abstract at the 7th National Youth Convention(2022) under the theme "Food Security to Nutritional Security: Youth Perspective" at TNAU(Coimbatore) organized by AIASA & ICAR (24th March 2022)
- Published five abstracts(presented - 1 abstract) in "Book of Abstract", 12th Indian Fisheries & Aquaculture Forum (5th-7th May ) organized by TNJFU & AFSIB at Chennai.
- Published abstract in "Book of Abstract" at Asian Pacific Aquaculture (June 19-21) conducted by World Aquaculture Society at Chennai Trade Centre.



## EXPERTISE

Time Management ★★★★★☆

Communication ★★★★★☆

Problem Solving ★★★★★☆

Creativity ★★★★★☆

Leadership ★★★★★☆

## WORKING EXPERIENCE

- **Charoen Pokphand Foods** - Future Leadership Program under Thailand team as Assistant Section Manager in Aqua Feed Sales & Marketing & Feed Raw Material Procurement Team - **3 months**

## MY ACHIEVEMENTS

- Secured 134th rank (All Over India) in NTA- ICAR exam for pursuing Post Graduate studies.
- Served as **University Co-ordinator for TNJFU** under the **All India Agricultural Student's Association(AIASA)**.
- Published an article about decamping fish from oil spills in the International Oil Spill Control Organization newsletter(2017).
- Published a popular article about Micro-algal carotenoids in the national-level magazine Aqua Star(2023, May)
- A popular article(Tamil) about Tiger shrimp broodstock collection and seed production was published in Kadalaar magazine (April 2019).
- Participated in the NSS program at Devampattu village conducted by Dr. M.G.R FC&RI, Ponneri (August 5-15, 2018).

## PUBLICATIONS & GENBANK SUBMISSIONS


- Kavinesan, K., Sugumar, G., Chrisolite, B., **Muthiahsethupathy, A.**, Sudarshan, S., Parthiban, F. and Mansoor, M., 2023. Phenotypic and genotypic characterization of pathogenic Escherichia coli identified in resistance mapping of  $\beta$ -lactam drug-resistant isolates from seafood along Tuticorin coast. Environmental Science and Pollution Research, pp.1-18. <https://doi.org/10.1007/s11356-023-27008-y> (**NAAS score-11.19, Impact Factor- 5.190**).
- *Vibrio vulnificus* strain NBN012(gyrb)- Genbank **OQ693831**
- *Vibrio vulnificus* strain SAP027(vvhA)- Genbank **OQ721862**
- *Vibrio vulnificus* strain NGR022(vcgC)- Genbank **OQ718810**
- *Listeria monocytogenes* strain MSPK004-Genbank **OR062942**

## DECLARATION

This is to certify that the above mentioned are authentic and can be affirmed with relevant documents.

Place : Thalainayeru

Date : 25.09.2023



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