

## BIODATA

### SAYANA K. A.

Assistant Professor  
MES Asmabi College, P. Vemballur  
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I am an enthusiastic, self-motivated, reliable, responsible and hard-working person. I am a mature team worker and adaptable to all challenging situations. I am able to work well both in a team environment as well as using own initiative. I am able to work well under pressure and adhere to strict deadlines.

### Education

2012 – 2018     Doctoral Research, School of Marine Sciences, Cochin University of Science and Technology (CUSAT), Kerala, India

**PhD Title:** Profiling Growth and Fuel Consumption of Mechanized Trawlers of Kerala and Investigations on Efficiency of Low Drag Trawl

**Research supervisor:** Dr. M. P. Remesan, Principal Scientist, Fishing Technology Division, ICAR-Central Institute of Fisheries Technology, Kochi, Kerala, India

2009 - 2011     MSc Industrial Fisheries, School of Industrial Fisheries, Cochin University of Science and Technology (CUSAT) Kerala, India  
First class with second position and CGPA 7.9 out of 10

2006 - 2009     BSc Aquaculture, MES Asmabi College, University of Calicut  
First class with second rank and 85.3% marks

### Work experience

July 2018 – Present     **Assistant Professor** at MES Asmabi College, Kerala, India

Head, Department of Vocational Studies (Fish Processing Technology) since 13-11-2018. Teaching UG (BVOC Fish Processing Technology) students' theory and practical papers and guiding and helping them in project works.

Participating in non-academic works of the institution such as NAAC Accreditation, ARIIA Ranking, Institute Innovation Council (IIC), Career Development Cell, IEDC and Incubation Cell.

July 2012 – May 2017

**Senior Research Fellow** at ICAR-Central Institute of Fisheries Technology, Kochi, Kerala, India

Instrumental in the design and fabrication of energy efficient selective fishing gear systems energy optimization, their development and validation and experimental trials onboard. An active participant in all-India benchmarking survey of existing fishing systems and its documentation. Conducted laboratory analysis and material testing using Universal Testing Machine (UTM) and Xenotest Alpha+. Experience in scientific documentation and handled various portfolios in organizing and conducting workshops and seminars.

January 2012 – July 2012

**Assistant Professor** at St. Albert's College, Ernakulam, Kerala, India

Teaching theory and practical papers to UG and PG students in fisheries and guiding and helping them in project works.

August 2011 – December 2011

**Technologist** at Samrat Middle East Exports, Kochi, Kerala, India

Ensuring quality of the product through online quality monitoring and product testing. Sensory parameters and microbiological parameters are tested and also done documentations necessary for the export of products.

### Accomplishments

November 2017

Best paper award in 11<sup>th</sup> INDIAN FISHERIES & AQUACULTURE FORUM (11<sup>th</sup>IFAF): Paper entitled "Development of low drag trawls for energy efficient fishing" authored by M. P. Remesan, K. A. Sayana, V. R. Madhu, P. Pravin and Leela Edwin

April 2011

Secured second position for MSc Degree Examination in Industrial Fisheries conducted by Cochin University of Science and Technology (CUSAT)

April 2009

Secured second rank for BSc Degree Examination in Aquaculture conducted by University of Calicut

### Trainings

February 2022

Data Analytics using 'R' programming

July 2019

Faculty Development Programme on Teaching & Learning Skill Development by MES Training Academy, Kerala, India

July 2011	HACCP-An Overview from ICAR-Central Institute of Fisheries Technology, Kochi, Kerala, India
June 2011	In-plant training at Bhatsons Aquatic Products, Kerala, India
May 2011	In-plant training at Abad Fisheries Pvt. Ltd, Kerala, India
October – November 2008	Quality Assurance from ICAR-Central Institute of Fisheries Technology, Kochi, Kerala, India

## Publications

### Book

Pravin P., Leela Edwin, Remesan M. P., Madhu V. R., Baiju M. V., Saly N Thomas, Aravind S. Kalangutkar, Sayana K. A. (2016) Fishing Systems Catalogue 7 – Mechanised Marine Fishing Systems: Karnataka and Goa, ICAR-Central Institute of Fisheries Technology, Cochin:-P.76.

### Articles

- Pair Trawling vs. Otter Trawling: An evaluation of efficiency along the Southwest Coast of India. V. R. Madhu, Geetha Sasikumar, Divya Viswambharan, Prathibha Rohit, M. Chaniappa, Lingappa, K. M. Rajesh, K. A. Sayana and P. Pravin. Fishery Technology 58 (2021) : 203 - 209
- An Assessment of Annual Carbon Emission of Mechanised Trawl Fishery in Kerala Sayana K. A. and M. P. Remesan. International Journal of Creative Research Thoughts (IJCRT) Volume 9, Issue 2 February (2021)
- A Statement of Cost Elements in Running Mechanised Trawlers in Kerala (2020) Sayana K. A. and M. P. Remesan. International Journal of Advances in Engineering and Management (IJAEM) Volume 2, Issue 12, pp: 658-664
- Assessment of Fuel Consumption Rate of Mechanised Trawlers in Kerala, South India (2020) Sayana K. A. and M. P. Remesan. Agro Economist – An International Journal. AE: 7(1): 51-56, June 2020
- Development of Low Drag Trawls for Energy Efficient Fishing (2020) M. P. Remesan, K. A. Sayana, V. R. Madhu, P. Pravin, Saly N. Thomas and Leela Edwin. Fishery Technology 57 (2020): 98 – 100
- Impact of Operational Parameters on Drag of Trawl Nets (2018) K. A. Sayana, M. P. Remesan and Leela Edwin. Fishery Technology 55: 295 – 297
- Fuel saving through material substitution in trawls (2017) Remesan M.P., Madhu V.R., Sayana K. A., Prabeesh Kumar, M. V., Harikrishnan K. R. and Leela Edwin. Fish Tech Reporter 3(1):3-5
- Appraisal of trawl design operated along Kerala coast (2016) Sayana, K.A., Remesan, M. P., Madhu, V. R., Pravin, P. and Leela Edwin Fishery Technology. 53: 30-36

- Drift gillnets made of Sapphire and Polyamide in Gujarat, India (2015) Muhammed Sherief P.S., Sreejith P.T., Sayana K.A., Dhiju Das P. H., Saly N. Thomas, Remesan M.P. and Leela Edwin, Fishery Technology. 52(1):-62-66

## **Paper Presentations**

### **Oral presentations**

- World Ocean Science Congress (WOSC) 2015: Presented a paper entitled “Estimation of drag of commercial trawl nets along Indian coast and an arithmetical study on drag reduction” authored by Sayana K. A., Dhiju Das P. H., M. P. Remesan and Leela Edwin
- 11<sup>th</sup> INDIAN FISHERIES & AQUACULTURE FORUM (11<sup>th</sup>IFAF): Presented a paper entitled “Contribution of fuel cost to the operational expenditure of mechanized trawlers of Kerala” authored by Sayana K. A., M. P. Remesan and Leela Edwin

### **Poster presentations**

#### **Marine Ecosystems – Challenges and Opportunities – MECOS2:**

- “Trawl systems of India’ authored by Sayana, K. A.\*, P. H. Dhiju Das, P. S. Muhammed Sherief, Rithin Joseph, Saly N. Thomas, P. Pravin, M. P. Remesan, V. R. Madhu and Leela Edwin

#### **World Ocean Science Congress 2015**

- “Purse seine System of India” authored by Dhiju Das P. H., Muhammed Sherief., Rithin Joseph., Sayana K. A., Saly N Thomas., Madhu V. R., Pravin P., Remesan M. P., M. V. Baiju and Leela Edwin
- “Longline System of India” authored by Rithin Joseph., Sayana K. A., Dhiju Das P. H., Muhammed Sherief P. S., Madhu V. R., Remesan M. P., Baiju M. V., Saly N Thomas., Pravin P., and Leela Edwin
- “Large mesh mechanized gillnets operated in Indian coast” authored by Muhammed Sherief P.S, Rithin Joseph, Sayana K.A, Dhiju Das P.H, Pravin P., Baiju M. V, Remesan M.P, Madhu V.R, Saly N. Thomas and Leela Edwin

## **Skills**

Languages: Malayalam (mother tongue), Hindi, English

Operating System: WINDOWS, Linux

Software: MS Office, SPSS, ‘R’ programming

## **Academic activities**

Lifetime member, Society of Fisheries Technologists (India) (SOFTI)

Life time member, Association of Fisheries Graduates (AFG)

## **Personal information**

Birthdate : 12.04.1989

Gender : Female  
Marital Status : Married with two kids  
Nationality : Indian

### References

#### **Dr. A. Biju**

Principal

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#### **Dr. K. Kesavan,**

Head, Dept. of Aquaculture,

MES Asmabi College, P. Vemballur P.O.,

Kodungallur, Thrissur Dist., Kerala

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#### **Dr. Leela Edwin**

Director i/c,

ICAR- Central Institute of Fisheries Technology, Kochi-29, Kerala, India

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### Declaration

I hereby declare that all the statements in this curriculum vitae are true to the best of my knowledge and belief

Date: July 28, 2024

Place: Thrissur, Kerala, India

Sayana K. A.