

# Dr. MUMTHAS YAHYA

## CURRICULUM VITAE



- **Professional Research & Academic Profiles**

- 🔗 **Research Identifiers**

- **ORCID iD:** 0000-0003-2634-0903  
<https://orcid.org/0000-0003-2634-0903>
  - **Secondary ORCID Profile:** 0009-0008-2676-3985  
<https://orcid.org/0009-0008-2676-3985>
  - **Scopus Author ID:** 57222672083
  - **Web of Science ResearcherID:** JRY-5185-2023

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- 🔗 **Academic & Professional Networks**

- **LinkedIn:**  
<https://www.linkedin.com/in/dr-mumthas-f-musaliar-28706aa5/>
  - **ResearchGate:**  
<https://www.researchgate.net/profile/Mumthas-Yahya-2>
  - **Google Scholar Profile:**  
<https://scholar.google.co.in/citations?user=9vf6zuAAAAJ>

- **Official Address & Contact Details**

- Official Address:**

- Assistant Professor, Department of Zoology  
TKM College of Arts & Science, Kollam  
Kerala, India  
Email (Personal): **mumthasy@gmail.com**

- **Institutional Email:** drmumthas@tkmcas.ac.in

- Mobile:** 7012789400 / 9567422347

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- **EDUCATION**

- 2023 Recognized Research Guide, University of Kerala**

- Guideship Order: 5656/2024/UOK dated 06/07/2024

- Specialization:** Biodiversity and Toxicology

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- 2018 Ph.D. in Zoology (Marine Benthic Diversity & Toxicology)**

- PG & Research Department of Zoology,  
Fatima Mata National College, Kollam  
University of Kerala, Kariavattom Campus, Thiruvananthapuram

- Thesis:**

- “Anthropogenic stressors and its impact on the Macrobenthic Invertebrate Assemblages along the Southern Coast of Kerala, India.”*

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- 2016 State Eligibility Test (SET – Natural Science)**

- Directorate of Higher Secondary Education, Kerala

**M.Sc. Zoology**

Milad-E-Sherief Memorial College, Kayamkulam, Kollam

**First Position in College****M.Sc. Dissertation:**

*“A study on the cytotoxicity and mitotic activity of heavy metals (Cu, Zn) using Allium cepa root tip chromosome aberration assay.”*

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**2012 KU–JRF General Aptitude Test (Ph.D. Entrance)**

University of Kerala

**Secured III Rank**

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**2009 B.Ed. Natural Science**

Fathima Memorial Training College, Mylapore, Kollam

**First Position in College**

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**2007 B.Sc. Zoology**

Fatima Mata National College, Kollam

➤ **CERTIFICATIONS**

- **2017** Certificate of Completion – Making Powerful Multimedia Presentations
- **2010** Certificate of Merit – Peachtree, Microsoft Office
- **2007** Certificate of Merit – Equivalence to level 4 of ICB Qualifications
- **2007** Certificate of Merit – Tally Financial Accounting

➤ **RESEARCH EXPERIENCE**

- Over 10 years of research experience in biodiversity, environmental toxicology, marine ecology, and data analysis.
- Completed one UGC-funded Minor Research Project as Principal Investigator.
- Guided 09 M.Sc. dissertations and 06 B.Sc. project works in zoology, ecology, and environmental science.
- Proficient in Microsoft Office programs (Word, Excel, PowerPoint, Access).
- Skilled in advanced statistical and analytical software, including:
  - SPSS v.24, PAST 3.14, XL-Statistics 2015, MATLAB, PRIMER 7
  - Basic R programming, Ocean Data View (ODV)
  - Experienced in laboratory and field-based research techniques, including:
    - Benthic sample collection & identification
    - Sediment analysis
    - Heavy metal extraction and analysis
    - Bioassays (Allium cepa, cytotoxic & genotoxic assays)
    - Water quality assessment
  - Proficient in operating scientific instruments, such as: Gas Chromatograph (GC), GC–FID, ICP–AES, Water Analyzer, UV–Visible - Spectrophotometer
  - Olympus CX21i Microscope Labomed Microscopy units
  - pH meter, Conductivity meter, Turbidity meter
  - Centrifuge, Hot air oven, Laminar airflow, Microtome & Histology equipment
  - Expertise in ecological and environmental data interpretation, including:
    - Community structure analysis

- Diversity indices, Multivariate analysis (nMDS, PCA, Cluster analysis)
- Pollution index studies Zooplankton Collection & Identification
- Benthic Collection & Identification & Community Assessment
- Experienced in manuscript writing, peer-reviewed publications, editing, and scientific communication (Editor of TIJMR).
- Field experience in coastal and estuarine ecosystems of Kerala, with extensive sampling from Kollam–Thiruvananthapuram stretch.
- Skill in preparing environmental reports, audit documents, and biodiversity documentation for academic and institutional purposes.

➤ **PhD Guidance**

1. **Active Ph.D. Supervisor with one full-time Ph.D. scholar (July 2025 Session)** currently under guidance at the Research Centre, FMN College, Kollam.

➤ **PATENT/AWARD /HONORS**

Sl.No	Title of Patent /Award/Honours	Institute /Agency /Organization	Year of Award
1.	Certificate of Appreciation	<b>Green Energy Forum</b> – Innovation Idea Contest 2025, powered by IREL (India) Ltd., Chavara, Kerala.	2025
2.	Third Prize in the State-Level Auditing of Waste Management Facilities	<b>Directorate of environment and climate change (DoECC)</b> , Government of kerala.	2025
3.	Certificate of Appreciation	Wetland Division of <b>Ministry of Environment, Forest and Climate Change (MoEFCC)</b> , Govt.of India	2025
4.	Certificate of Appreciation	Maths conference, as Organizing committee member, TKM College of Arts and Science, Kollam	2025
5.	Kerala Vanitha Mithram Puraskaram	Kerala Congress, Kollam District	2024
6.	Women Environment star Award	Souhridha vedhi, NGO, Kollam	2023
7.	Educational appreciation award	FMN College, Kollam	2020
8.	Educational Excellence award	NGO, Kollam	2019
9.	Certificate of Merit – <b>First place&amp; Best Oral Presentation award –Life Sciences</b>	Department of Biotechnology, Govt. College, Kariavattom	2016
10.	Certificate of Merit <b>Best Paper Award – Life Sciences</b>	School of Life Sciences University of Kerala, Kariavattom	2016
11.	Mother Teresa Open Merit Scholarship	FMN College, Kollam, (Affiliated to University of Kerala)	2008
12.	Best Outgoing Student Award	FMT, Kollam, (Affiliated to University of Kerala)	2008
13.	Certificate of Appreciation	FMT, Kollam, (Affiliated to University of Kerala)	2008

## ➤ ACADEMIC TRAININGS / PROFESSIONAL DEVELOPMENT

### 1. **FYUGP Question Bank Preparation Training (19 February 2025)**

Participated in the FYUGP Question Bank Preparation Training Programme conducted by the University of Kerala at TKM College of Arts & Science, Kollam on 19 February 2025.

### 2. **UGC–MMTTC Refresher Course in Women’s Studies & Women Empowerment (04–17 December 2024)** - Attended the Refresher Course in Women's Studies & Women Empowerment (Multidisciplinary – Online) from 04 December 2024 to 17 December 2024, conducted by the UGC–Malaviya Mission Teacher Training Centre (MMTTC), University of Kerala, sponsored by the University Grants Commission.

### 3. **UGC-Sponsored Faculty Orientation / Induction Programme (12 July – 10 August 2023)** - Completed the National Level UGC-Sponsored Faculty Orientation / Induction Programme at UGC–HRDC, University of Calicut, held from 12 July 2023 to 10 August 2023.

### 4. **Internship – Postgraduate Diploma in Counselling Psychology (18 December 2021 – 17 January 2022)** - Successfully completed a one-month internship with the Kollam City Police as part of the Postgraduate Diploma in Counselling Psychology, gaining experience in counselling practices, community interaction, case-handling observations, and psycho-social support services. Issued by: Addl. Superintendent of Police, Kollam City (*Certificate dated: 07 February 2022*).

### 5. **Question Bank Preparation Training – FMNC (August 2019)**

Participated in the Question Bank Preparation Training Programme conducted by Fatima Mata National College (Autonomous), Kollam during August 2019.  
Reference: [http://148.72.214.42:8080/secure/questionbank/syllabus/bank\\_selection\\_view.xhtml](http://148.72.214.42:8080/secure/questionbank/syllabus/bank_selection_view.xhtml)

## ➤ REVIEWING ARTICLES IN SCOPUS-INDEXED INTERNATIONAL JOURNALS

1. Kiri Rodgers <sup>1\*</sup>, Holly Walder <sup>2</sup>, Ronnie Mooney <sup>2</sup>, Tatyana Peshkur <sup>2</sup>, Iain McLellan <sup>3</sup>, Roderick Williams <sup>1</sup>, Andrew S. Hursthouse <sup>3</sup>, Fiona L. Henriquez <sup>2</sup> and Charles W. Knapp (2025) Source tracking of polycyclic aromatic hydrocarbons in estuarine sediments and the influence of dioxygenase biodegradation. *PeerJ Life & Environment*. <https://peerj.com/life-environment/>
2. Qu Chen Equal first author, 1, Tianwen Song Equal first author, 2, Jingjing Kong 1, Jingjing Zhang 1, Lei Zhu 1, Hailong Li 1, Yizhe Wang 3, Di Xiao 1, Tingting Tang 1, Haili Zhang 1, Zichu Zhao 1, Qingli Zhang Corresp. 1 "Occurrence, composition, sources, and ecological-health risk assessment of polycyclic aromatic hydrocarbons in Chinese water bodies: A review" (#2025:05:119008:0:2:REVIEW) *PeerJ Life & Environment*. <https://peerj.com/life-environment/>.
3. Faunal assemblages and biota-substrate interactions in tropical Nigerian tidal flats: influence of sediment grain size and physicochemical parameters. Manuscript Number: Ms\_AJEE\_139362. Asian Journal of Environment & Ecology (ISSN: 2456-690X).

## ➤ POPULAR ARTICLES

1. Dr. Mumthas Yahiya ‘Interaction of Human with Nature’ - Gadgil Report and Conservation of Western Ghats Ashtamudi Live news 2021.
2. Dr. Mumthas Yahiya International day of observing wild life week – Detailed Report Ashtamudi Live news 2021
3. Dr. Mumthas Yahiya Joy and Income from pets Ashtamudi Live news 2021
4. Dr. Mumthas Yahiya & Dr. Jasin Rahman V. K Students need to line up for Ecosystem restoration Ashtamudi Live news 2021
5. Dr. Mumthas Yahiya, International Oceans Day Ashtamudi Live new 2021.

## ➤ SCIENTIFIC PUBLICATIONS

### **Books**

1. TKM International Journal for Multidisciplinary Research (TIJMR) Volume 3, Issue 1 – January 2025. ISSN (Online): 2581-8519. ISSN (Print): 2582-130X
2. TKM International Journal for Multidisciplinary Research (TIJMR) Volume 3, Issue 2 – July 2025. ISSN (Online): 2581-8519. ISSN (Print): 2582-130X
3. Book of Abstracts - Two-Day National Seminar on The Hidden Cost of Plastics: Ecological Impacts on Wildlife and Ecosystems. 18–19 September 2025.
4. Proceedings of the International Seminar on Blue Growth Initiative Sustainable fishery development strategies and advanced technologies for aquaculture(BISFAA).2019. Dr Sherly Williams E, Prof. Nisha Thomas P, **Dr Mumthas Y**, Dr Vijayasree AS and Mrs. Lekshmi priya V. PG & Research Department of Zoology, Fatima Mata National College(Autonomous), Kollam. ISBN 978 93-5382-468-6.
5. Zooplankton as Bio-indicators of Pollution. 2018.Mary Miranda, **Mumthas Yahiya**, Don D’Cruz, Lap Lambert Academic Publishing, Mauritius – ISBN 978-613-9-87461-3.
6. Impact of Anthropogenic Stressors on Marine Benthos. 2018. **Mumthas Yahiya**, Mary Teresa P Miranda, Don Wallace Freeman D’Cruz, Lap Lambert Academic Publishing, Mauritius – ISBN 978-613-9-89105-4.
7. Effects of pollution on Marine Benthic Assemblages.2018. Mary Miranda, **Mumthas Yahiya**, Don D’Cruz, Lap Lambert Academic Publishing, Mauritius – ISBN 978-613-9-91103-5.
8. Fish Diversity of Ashtamudi Lake, A Ramsar site India. 2018.Usha NS, George F D’Cruz and **Mumthas Yahiya** Lap Lambert Academic Publishing, Mauritius – ISBN (*in Press*).

### **Book chapters**

1. George F D’Cruz and **Mumthas Yahiya** (2019). Kerala Science Congress detailed presentation, Sasthrakeralam, April 2019.
2. MTP Miranda and **Mumthas Y** and Bincy PK, Value added products from fish and shell fishes Book – 2015, CMFRI, Kochi.
3. MTP Miranda and **Mumthas Y**, Marine Litter: Issues and Concerns, Science India - Year Book 2014, Science India Forum, UAE.

## ➤ PAPERS PUBLISHED IN JOURNALS

### **International**

1. Latha, C., & Yahiya, M. (2025). *Macrobenthic Communities as Bio Indicators of Water Quality in the Mangrove Ecosystem of Ayiramthengu, Kerala, India*. Indian Hydrobiology, **24**(1), 201–208. ISSN: 0971-6548. [UGC-CARE listed journal since 2019]. <https://indianhydrobiology.yolasite.com/>
2. C. Latha, Neena Narayanan, **Mumthas Yahiya** and S. Seethal Lal, 2025. Microplastic Accumulation in Edible Fish Species from Kayamkulam Kayal, Kerala. Indian Hydrobiology, 23(2): 431–446, 2024 Received: 29.10.2024; Accepted: 01.12.2024. ISSN 0971-6548 UGC-CARE List since 2019. <https://indianhydrobiology.yolasite.com/>
3. Remya Babu R, Sherly Williams E, **Mumthas Yahiya**, Seethal Lal S , Lekshmi Priya V. 2024. Analysis of heavy metal concentration and its bioaccumulation in *Gerres filamentosus* (Cuvier, 1829) from Ashtamudi Lake, Kollam, Kerala, South India. Copyright (c) 2024. Journal of Advanced Zoology. Vol. 45 No. 3 (2024). <https://jazindia.com/index.php/jaz/article/view/4494>. <https://doi.org/10.53555/jaz.v45i3.4494>
4. Pranay Punj Pankaj, Ravneet Kaur, Tanmay Ghosh and **Mumthas Yahiya**. 2024. Exploring The Intricate Web: How Fishery Management And Zoology Unite In The Governance Of Aquatic Diseases, Journal of Advanced Zoology, Volume:45 (S2), Pages:394–400. ISSN:0253-7214 Impact Factor:0.1. <https://doi.org/10.53555/jaz.v45iS2.4178>.
5. **Mumthas Yahiya**, Seethal Lal S and Latha C., 2023. Environmental Risk of Heavy Metals in the Southern Coast of Kerala, India, Journal of Chemical Health Risks. ISSN:2251-6727 Impact Factor:0.22. <https://www.jchr.org/index.php/JCHR/article/view/983>.
6. **Mumthas Yahiya** & MTP Miranda, Comparison of Proximate and Mineral Analysis of *Pila Scutata* (Mousson, 1848). 2023. Eur.Chem.Bull., Volume:12(Special Issue5), Pages:560–570. ISSN:2063-5346 Impact Factor:0.5. [https://www.eurchembull.com/archives/volume-12/special%20issue-5\(part-a\)/2706](https://www.eurchembull.com/archives/volume-12/special%20issue-5(part-a)/2706).
7. **Mumthas Yahiya**, and MTP Miranda, 2020. Distribution, Sources and Potential Toxicological Significance of Polycyclic Aromatic Hydrocarbons (PAHs) in the South West Coast of Kerala, India. Material today Proceedings. **Elsevier Material today Proceedings. Materials Today: Proceedings MATPR16724. PII. S2214-7853(20)35550-4 Elsevier.** <https://www.academia.edu/43311406>.
8. **Mumthas Yahiya** & Latha Chin. 2019. Macrobenthic Invertebrate Assemblages along the Ayiramthengu Mangroves, West Coast of India. International Journal of Research and Analytical Reviews (IJRAR) E-ISSN 2348-1269, P- ISSN 2349-5138 | Impact factor: 5.75. Volume 6 | Issue 2 | 2019.
9. **Mumthas Yahiya**, Kanni J. Mohan & Miranda M T P. 2018. Trace metal accumulation in marine molluscs (*Perna indica* & *Bursa* sp) along the southern coast of Kerala, India. International Journal of Fisheries and Aquatic Studies 2018; 6(6): 332-335.

10. **Mumthas Y**, and MTP Miranda, 2016. Planktons as Indicators of Heavy Metal Pollution along South West Coast of India International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Index Copernicus Value (2015): 78.96 | Impact Factor (2015): 6.391.
11. Ambili, T., **Mumthas.Y.**, Reenamole, GR., Athira Raj and George D'Cruz .2018. Ecological aspects of Ayiroor river in south India with special reference to hydrographical characteristics. *International Journal of Current Research in Life Sciences* Vol. 07, No. 03, pp.1335-1341, March, 2018.

## **National**

1. **Mumthas Yahiya**. 2022. Comparison of Hydrological Parameters along the TS canal in relation with Microbial content and Plankton diversity. TKM Arts College International Journal for Multidisciplinary Research (TIJMR) Vol. 2 No. 2 July, 2022, Pp 24-36.
2. **Mumthas Y** and Miranda MTP, 2017. Assessing Multiple Stressors on Macrofaunal communities along the coastal ecosystems of southern Kerala coast. J. Mar. Biol. Ass. India, 59(1) doi: 10.6024/jmbai.2017.59.1.1954-06.
3. **Mumthas Y**, and MTP Miranda, 2016. Effects of organic and inorganic pollution on macrobenthic communities along the coast of Kerala, south west coast of India Journal of Applied Science and Research, 2016, 4 (2):1-11, ISSN 2348-0416 - USA CODEN: JASRHB- (IF:4.427).
4. Reenamol GR, **Mumthas Y**, Ambili T and George D'Cruz F. 2016 – Conservation Needs of Vellayani Fresh water lake, Kerala with reference to the Assessment of Productivity. Millennium Zoology Vol.17(1), 2016. ISSN 0973-1946.
5. **Mumthas Y** and MTP Miranda, 2015 - Macro benthos and anthropogenic stressors – the need for bio-monitoring along the Coast of Kerala, India, Ind.J.Sci.Res.and Tech.2015,3 (5):62-71/ISSN: 2321-9262.

## **➤ PAPERS PRESENTED IN SEMINARS/ SYMPOSIA**

### **International**

1. **Mumthas Y**, Soumya Mathunny, Meharunnisa K.M, Sooria S, Alfiya. N, Fathima . A & Mahamutha Thazneem Gastropod diversity along the inter-tidal coast of Kavaratti Island, Lakshadweep, India. 2022. International Conference Impact on Impact of climate change on Aquatic Life and Mitigation Measures For a sustainable Blue Economy ICCAMS -2022 organized by PG & Research Department of Zoology, Fatima Mata National College, Kollam on 23-25 November 2022.
2. Mumthas Yahiya & Latha Chin. 2020. International Conference on “Conservation of Mangrove Ecosystem: Synergies for Fishery Potential” (CMESFP- 2020) Department of Environmental Sciences, University of Kerala, Thiruvananthapuram, Kerala, India & Estuarine & Coastal Sciences Association, U 2020 ISSN 2321-340X.

3. **Dr Mumthas Yahiya**, Maria Jenifer, Arya, and Annet mathew. Metazoan Parasites in Two Edible Fish Species. 2019. International Seminar on Blue Growth Initiative Sustainable fishery development strategies and advanced technologies for aquaculture (BISFAA).2019. PG & Research Department of Zoology, Fatima Mata National College (Autonomous), Kollam- ISBN 978 93-5382-468-6.
4. Dr Geethu G and **Dr Mumthas Yahiya**. 2019. Optimization of *Drosophila melanogaster* culture media to study the developmental stages. International Seminar on Blue Growth Initiative Sustainable fishery development strategies and advanced technologies for aquaculture (BISFAA).2019. PG & Research Department of Zoology, Fatima Mata National College (Autonomous), Kollam- ISBN 978 93-5382-468-6.
5. **Dr Mumthas Yahiya**, Nisha Thomas P and Athira R. 2019. Comparison of sedimentological parameters along the Kollam canal relation with microbial content. International Seminar on Blue Growth Initiative Sustainable fishery development strategies and advanced technologies for aquaculture (BISFAA).2019. PG & Research Department of Zoology, Fatima Mata National College (Autonomous), Kollam- ISBN 978 93-5382-468-6.
6. **Mumthas Y**, NG Deepthi, and Miranda MTP, 2018 – Toxic effects of copper and zinc on cell division and chromosomal morphology of *Allium cepa* - Poster presented at International Conference on innovations and sustainable research in Environment and Life Sciences conducted in the PG and Research Department of Zoology (DST- FIST Assisted) Fatima Mata National College (Autonomous), Kollam, Kerala on 07-09 August; 2018. 63-65 (p) – ISBN 978-81-89152-06-2.
7. Lata C, **Mumthas Yahiya**, and Divya MS, 2018 – Macrofaunal diversity along Ayiramthengu mangroves – Oral presentation on International Conference on innovations and sustainable research in Environment and Life Sciences conducted in the PG and Research Department of Zoology (DST- FIST Assisted) Fatima Mata National College (Autonomous), Kollam, Kerala on 07-09 August; 2018. 101-103 (p) – ISBN 978-81-89152-06-2.
8. Mumthas Yahiya, Mary Teresa P Miranda. 2018. Proceedings of the International Conference on Innovations and Sustainable Research in Environment and Life Sciences- PG and Research Department of Zoology, Fatima Mata National College, Kollam. 2018 ISBN 978-81-89152-06-2
9. **Mumthas Y**, and Miranda MTP, 2017. Gastropod diversity: Relation with environmental parameters along the coast of Neendakara, Kollam, Kerala, India. Paper presented at International Seminar on Coastal Biodiversity Assessment, COBIA 2017 at St. Gregorios College, Kottarakara, Kerala, India, Marine Biodiversity,196(p), D-07. January 5 – 7, 2017.

## **National**

1. **Mumthas Yahiya** Participated and Presented a paper titled Effects of plastic pollution. National Science Day Celebration Department of Botany, TKMCA 07-02-2025.

2. Akhil Ignus, Miranda MTP, **Mumthas Y** and Vijay laxmi saxena. 2017. Zooplankton as candidate biomonitors of coastal trace metal contamination in Kerala India, Paper presented at 104<sup>th</sup> Indian Science Congress, Tirupati, and January 3-7, 2017. Sub Section –V, Faunal Diversity(FD) P (362).
3. **Mumthas Y** and Miranda MTP, 2016 – Macrobenthic community – Relation with environmental stressor along the coast of Kerala, south west coast of India, National Seminar on recent challenges in biodiversity conservation, Department of Zoology, University of Kerala, 22 – 23rd March 2016, OR 8, p22.
4. Reenamol GR, Ambili T, Susmitha M, Jithin Murali, **Mumthas Y** and Sajin SP, Invasion of fish species in Vellayani freshwater lake in Kerala, South west coast of India, National Seminar on recent challenges in biodiversity conservation, Department of Zoology, University of Kerala, 22– 23rd March 2016, OR 10, p42.
5. Ambili T, **Mumthas Y**, Reenamol GR, Athira Raj, Ahima Raj, and George F D’Cruz, Water Quality assessment in Ayiroor in Thiruvananthapuram, Kerala South west coast of India, National Seminar on recent challenges in biodiversity conservation, Department of
6. Zoology, University of Kerala, 22 – 23rd March 2016, OR 19, p32.
7. **Mumthas Y**, Deepthi NG and Miranda MTP, 2016 - Heavy Metal Induced Cellular Damage on Allium cepa, Directorate of Collegiate education - National Seminar on Current Trends in Life Sciences, 10-12 February 2016 at Department of Biotechnology, Govt. College, Kariavattom (*Received first place for Oral presentation*).
8. **Mumthas Y**, Miranda MTP, Ambili T and Reenamol GR, 2016 - Benthic assemblages
9. and Anthropogenic stressors along the South west coast of India – 28th Kerala Science Congress, 28-30 January, 2016, 2638-2643pp.
10. Fousiya Musthafa, **Mumthas Yahiya**, Mary Teresa P Miranda, Ambili Thankamma and Reenamol G Ramani, 2015 - Anthropogenic Stressors and its impacts on the Plankton diversity along the Coast of Kollam, Kerala – 25<sup>th</sup> Swadeshi Science Congress, 15-17, December 2015, LS 23.
11. Reenamol GR, **Mumthas Y**, Ambili T and George F D’Cruz, 2015 - Seasonal variations of productivity of water in Vellayani fresh water lake in Thiruvananthapuram, Kerala 25<sup>th</sup> Swadeshi Science Congress, 15-17 December 2015, LS 30.
12. Fousiya M, **Mumthas Y** and Miranda MTP, 2015 - Plankton Diversity along the coast of Neendakara, Kollam, Coast of Kerala, South west India - National Symposium on changing perspective of Life Sciences, 16-17, December 2015, School of Life Sciences, University of Kerala, Kariavattom, Theme 4: Ecology and Conservation biology, MARC- Life 2015, P:44 (*Received Best Paper Award*).
13. **Mumthas Y** and MTP Miranda, 2015 - Gastropod diversity along the inter-tidal coast of Neendakara, Kollam, Kerala, India, UGC National Seminar on Bio-sciences in the Genomic Era at SN College, Cherthala, July 2–3, 2015.
14. **Mumthas Y**, MTP Miranda and F.G. D’Cruz, 2015 - Impact of Anthropogenic stressors on the dynamics of the macrobenthic invertebrate assemblages of the Kerala coast, South
15. west coast of India, paper presented at 102<sup>nd</sup> Indian Science Congress, Mumbai, January 03-07, 2015.
16. **Mumthas Y**, 2010. Exercise and Immune system, 2010. UGC’s sponsored National conference organized by Department of Physical Education, MSM College, Kayamkulam. 2010. ISBN 978-81-92144-3-0-6.160-170pp.

## ➤ SEMINARS AND WORKSHOPS ATTENDED

1. Dr. Mumthas Yahiya, from TKM College of Arts and Science, Kollam (affiliated with the University of Kerala), participated in the **International Workshop titled “IUCN & Conservation: How & Why?”** conducted by the **Department of Zoology, University of Calicut** on **15<sup>th</sup> July 2025**.
2. Workshop State Optimising Research-Steps towards Centre of Excellence. TKMCAS 22 March 2023 Participated.
3. Workshop State Awareness/Training Programme under National Intellectual Property Awareness Mission Intellectual Property Office, India 24 June 2022 Participated.
4. Mumthas Yahiya **Coordinated and Participated** Workshop on Value addition of Aquatic Weeds CRAR, Eichhotech, SD College, Cherthala 28-June 2022.
5. **Chaired a session as Resource person** in a state Workshop- ‘Sasthtrapadham’ Kerala Higher Secondary Samagra shiksha Abhiyan, Thiruvananthapuram and TKM College of Arts and Science, Kollam, January 24-26, 2020.
6. **Chaired an organizing committee member** - Day Observance State International day of Elderly and Breast Cancer month Awareness Health Club and Department of Zoology, TKMCAS, Kollam 1<sup>st</sup> October 2019.
7. **Chaired an organizing committee member** in World Environment Day 2019, organized by Post Graduate and Research Department of Zoology, Fatima Mata National College (Autonomous), Kollam; 14<sup>th</sup> June 2019 sponsored by KSCST and Environment, Government of Kerala, Thiruvananthapuram.
8. **Chaired an organizing committee member** in World Wet Land Day 2019, organized by Post Graduate and Research Department of Zoology, Fatima Mata National College (Autonomous), Kollam; 08 Feb 2019 sponsored by KSCST and Environment, Government of Kerala, Thiruvananthapuram.
9. Participated and **Handled a Practical Session** in workshop on practical training higher secondary teachers in biology - ‘Disha’ - held during 15-16 February, 2019. sponsored by: parent teacher association-2019 conducted in the PG and Research Department of Zoology (DST- FIST Assisted) Fatima Mata National College (Autonomous), Kollam.
10. International Conference on innovations and sustainable research in Environment and Life Sciences conducted in the PG and Research Department of Zoology (DST- FIST Assisted) Fatima Mata National College (Autonomous), Kollam, Kerala on 07-09 August; 2018.
11. International workshop on micro seeds and marvelous research organized by Post Graduate and Research Department of Botany, Fatima Mata National College (Autonomous), Kollam; 02 Nov 2018.
12. Participated and presented a paper in UGC sponsored International Seminar on Coastal Biodiversity Coastal Biodiversity Assessment, COBIA 2017 at St. Gregorios College, Kottarakara, Kerala, India.
13. Participated in the UGC Sponsored National Seminar on Blue Economy: Fostering sustainable development and Profitable Resource Utilization conducted in the PG and Research Department of Zoology Fatima Mata National College (Autonomous), Kollam Kerala; 2017.

14. Participated and presented a paper in UGC sponsored National Seminar on Bio – sciences in the genomic era sponsored by KSCST and Environment, Government of Kerala, Thiruvananthapuram; 2016.
15. Participated in the 28th Kerala Science Congress held at University of Calicut Malappuram; 2016.
16. Participated and presented a paper in the National Seminar on recent challenges on the Bio - diversity conservation – University of Kerala, Kariavattom, Trivandrum; 2016.
17. Participated in Competition for PG Students National Seminar on Current trends in Life Sciences; 2015.
18. Participated in the 27th Kerala Science Congress held at Alappuzha – Cameliot Convention Centre; 2015.
19. Participated in the two- day workshop on Fundamental and applications of Bio- statistics; 2014.
20. Participated in the National Seminar on Climate Change, Global Risk – Challenges and Decisions; 2011.
21. Participated in Nature Camp held by Forest and Wild life department at Thattekad Salim Ali bird Sanctuary; 2010
22. Participated as delegate and presented a paper in UGC’s sponsored National conference organized by Department of Physical Education; 2010.
23. Participated in the personality development programme conducted in the Kerala State Women’s Development Corp. Ltd and Centre for Management Development; 2009.

#### ➤ **ONLINE - SEMINARS AND WORKSHOPS ATTENDED**

1. Participated in the online E-Quiz series on COVID-19 for Spreading Awareness: Level One (Basics) on 20 May 2020 and passed with grade “B” organized by Department of Biotechnology & Microbiology, University College of Science (UCoS), Mohanlal Sukhadia University (MLSU), Udaipur, Rajasthan.
2. Participated the Two Day National Online Seminar on “Re - inventing Quality Assurance : A Post Pandemic Guide for Teachers” organized by the Internal Quality Assurance Cell on May 19<sup>th</sup> and 20 T. K. M. College of Arts and Science, Kollam.
3. Successfully completed “BioDive”- A general Quiz in connection with International Day for Biological Diversity, organized by Department of Zoology and Biodiversity Club, St. Joseph’s College, Irinjalakuda during May 2020.
4. Completed the Entry Level of the Tide Turners Plastic Challenge Conducted by WWF, UNEP, CEE and MSF.
5. One Week Webinar Series (Certificate ID: MQPFTQ) CE000165 On Digi-Tech Teaching Learning- 2020 Attended the Webinar on “Future Effective Learning Techniques”, organized by, Sinhgad Institute of Technology, Lonavala, India, on MAY 21 , 2020.
6. Participated in the National Webinar on Biodiversity informatics and documentation through Citizen Science on the India Biodiversity Portal organized by the Department of Zoology, St.Xavier’s College for Women, Aluva on 22.05.2020.

7. Successfully completed the Online Awareness Test on Global Pandemics organized by the QUIZ CLUB, Sree Sankara Vidyapeetom College, Valayanchirangara, Perumbavoor, Kerala, India during May 2020.
8. Attending the Webinar on “Emerging Epidemic Diseases and Drug Repositioning – A way for Identifying Immediate Solution” conducted on 25-05-2020 organised by IQAC in association with Department of Zoology at FMN College, Kollam
9. Participated in the live international webinar Department of Computer Science and IQAC on 21st and 22nd May 2020. Technology organized by Department of Computer Science and MAHATMA GANDHI COLLEGE – IRITTY
10. Participated in the “e-DARSHAN Webinar Lecture Series-2020: International Webinar on Raman Spectroscopy” organized by Department of Physics & IQAC, on 1st June 2020. TK Madhava memorial college, Nangiarkulangara.
11. Participated in the International webinar on the evolving field of Oncology and Career transition conducted in the PG and Research Department of Zoology Fatima Mata National College (Autonomous), Kollam Kerala; 2017.
12. Participated in the Inter National Online webinar on Innovating a new ecosystem in higher education. on June 5th 2020 at T. K. M. Institute of management, Kollam.

➤ **ACADEMIC DUTIES ASSIGNED (EXTENSION ACTIVITIES, MENTORSHIP, ETC.)**

**Professional Roles and Responsibilities - Academic & Student Mentoring**

1. Class Tutor – Batch 2020–2023
2. Students’ Mentor – Batch 2021–2024
3. Class Tutor – Batch 2023–2026
4. Department Scholarship Committee – Mentor
5. Department Placement Cell Coordinator – 2025
6. Handled an Orientation Session for Placement Cell on *Human Anatomy & Physiology* (17 June 2023, via Google Meet).
7. Handled a Certificate Course Session on *Human Evolution* for ESAARC – KSSP (25 February 2025, via Google Meet).

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**Clubs, Cells & Committee Coordination**

1. Human Rights Forum Club – Coordinator (2022–2023 onwards)
  2. Biodiversity Park – Coordinator (2021–2022 onwards)
  3. Environmental Club – Coordinator (2023 onwards)
  4. Bhoomithrasena Club – Coordinator
  5. Yellow House – Coordinator
  6. FDSJ Forum – Coordinator (2023)
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## Institutional Roles

1. IEDC Member
2. IIC Member
3. Green Audit IQAC – Member
4. Website Committee – Member
5. Department-wise LMS Coordinator
6. College Start-up – Coordinator
7. Possession Charge – 2022
8. NAAC Criterion 7 – Head
9. Strategic Team Member – 2025
10. Associate Dean – Strategic Discipline and International Collaborations (2025)
11. Green Energy Nodal Officer – 2024
12. Kerala University Research Guideship (Approved Research Guide)

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## Editorial & Academic Contributions

1. Editor – *TKM International Journal of Multidisciplinary Research (TIJMR)*, 2024 onwards

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## Cultural & University-Level Roles

1. Youth Festival Oppana – Convener (2022)
2. University Youth Festival – General Convener (2024)

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## Invited Talks & Academic Outreach

1. **Invited Talk – Life & Practical Biological Learnings (26 December 2021)**  
Served as **Resource Person** and delivered an invited lecture titled “*Jeevithavum Prayogika Padanarithikal*” on **26 December 2021 at 7:30 PM**, organized by the **KSSP Kollam Environment Samithi** via **Online (Google Meet)**. The session highlighted practical biological concepts, life science awareness, and the importance of scientific thinking.
2. **Invited Talk – World AIDS Day Awareness Programme (01 December 2021)**  
Served as **Chief Guest & Resource Person**, delivering an awareness session on HIV/AIDS prevention, public health concerns, and the global theme “*End Inequalities. End AIDS. End Pandemics.*” during the **World AIDS Day Awareness Programme** held on **01 December 2021 at MGD Higher Secondary School for Boys, Kundara**, organized by **NSS Unit No. SFU/39**.
3. **Invited Talk – Water Resource Management Awareness Session (09 January 2022)**  
Delivered an invited talk on “*Jalathinte Rashtreeyanilavaram & Thudavettunna Reethikal*” as **Resource Person**, organized by **KSSP Kollam Environment Samithi** on **09 January 2022 via Online (Google Meet)**. The session focused on water resource politics, sustainable water management, and community-level conservation strategies.

4. **Invited Talk – Environmental Science Certificate Course (ESCC) 2021–22 (06 February 2022)** Served as **Resource Person** and delivered an online lecture for the **Environmental Science Certificate Course (ESCC) 2021–22** on **06 February 2022**, from **7:00 PM to 8:00 PM**, via Google Meet, organized by the Environmental Study and Research Centre (ESARC) and Kerala Shastra Sahitya Parishad (KSSP), Kollam District Committee.

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5. **Invited Talk – World Environment Day Programme: “Ore Oru Bhoomi” (05 June 2022)** Delivered an invited talk as **Resource Person** for the **World Environment Day** programme titled “*Oru Oru Bhoomi*”, organized by the **KSSP Chathannoor Unit** on **05 June 2022** at the **Library Hall, Kollam**. The session emphasized global environmental protection, sustainable lifestyle practices, and the significance of World Environment Day.

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6. **Invited Talk – Environmental Pollution & Mitigation Measures (01 December 2023)** Delivered an invited talk on “*Environmental Pollution and its Mitigation Measures*” as part of the **JC Bose Day** celebrations organized by the **Bhoomithrasena Club & Department of Botany, KSMBD College, Sasthamkotta, Kollam**, on **01 December 2023**.
7. **Kerala Development & Innovation Strategic Council (K-DISC) – Young Innovators Programme (YIP) - Roles and Responsibilities**

Sl. No.	YiP Version	Role & Year
1.	YiP 4.0 (2022)	Student Mentor – 2022
2.	YiP 4.0 (2022)	Idea Evaluator – 2022
3.	YiP 5.0 (2023)	Idea Evaluator – Preliminary Assessment, Dec 2023
4.	YiP 5.0 (2023)	District Level Idea Evaluator – Oct 2023
5.	YiP 6.0 (2024)	Domain Expert – July 2024
6.	YiP 6.0 (2024)	State Level Evaluator – Nov 2024
7.	YiP 6.0 (2024)	District Level Evaluator – Nov 2024
8.	YiP 7.0 (2025)	Preliminary Evaluation – May 2025
9.	YiP 8.0 (2025)	District Level Evaluation – Aug 2025

## ➤ MEMBERSHIPS IN PROFESSIONAL BODIES & EDITORIAL ROLES

### International Positions

1. **IUCN Commission Member – Ecosystem Management**, Gland, Switzerland
2. **IUCN Commission Member – Climate Crisis Commission (CCC)**, Gland, Switzerland

### Editorial Board Membership

1. **Academic Editor**, *Asian Journal of Environment & Ecology* (ISSN: 2456-690X)
2. **Academic Editor**, *PeerJ – The Journal of Life & Environmental Science*

## Life Memberships

1. **Life Member**, The Ethological Society of India
  2. **Life Member**, Indian Science Academy
  3. **Life Member**, Kerala Sasthra Sahithya Parishath (KSSP)
  4. **Life Member**, Indian Ecological Society for Environmental Safety & Food Security
  5. **Life Member**, World Wide Fund for Nature (WWF)
  6. **Life Member**, State Wetland Authority of Kerala (SWAK)
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## Sessional Membership

1. **Sessional Member**, Indian Science Congress (2017)
  2. **Sessional Member**, Marine Biological Association of India
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## Writing & Outreach

1. **Content Writer**, *Ashtamudi Live News*
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## Social Responsibility / Leadership

1. **District Coordinator**, Nanma Maram Global Foundation  
<https://nanmamaramglobal.org/>
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## ➤ RESEARCH COLLABORATIONS

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### MoU / Collaboration Coordination

1. Coordinator – MoU with S.D. College, Alappuzha
  2. Coordinator – MoU with Fatima Mata National College, Kollam
  3. Coordinator – Academic & Extension Collaboration with Social Forestry Southern Unit, Kollam
  4. Coordinator-Academic & Community Collaboration with Kerala Sasthra Sahitya Parishad (KSSP)
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## ➤ PARTICIPATION IN BOARD OF STUDIES/ACADEMIC COUNCIL/CURRICULUM RE-STRUCTURING/SYLLABUS DEVELOPMENT, ETC.

1. Board of Studies – NSS College, Pandalam (2023–24)  
Participated as a Member of the Board of Studies (BOS) for framing the syllabus and curriculum for the Certificate Courses offered by the Department of Zoology, NSS College, Pandalam during the academic year 2023–24.
2. Board of Studies – Fatima Mata National College (Autonomous), Kollam (02 March 2019)  
Contributed as a BOS Member in the Curriculum & Syllabus Revision of UG and PG Zoology programmes on 02 March 2019. Played a role in revising and finalizing: Experimental Zoology, Bioinformatics Modules VI–VIII, Environmental Biology & Disaster Management, Ethology, Evolution & Zoogeography, UG Core, Elective, Complementary, Add-on, and PG syllabi. More details available at: <http://zoology.fmnc.ac.in/programmes/>

## ➤ STUDENTS SUPERVISION

- Number of dissertations guided for Under graduate students: 09
- Number of dissertations guided for Post graduate students: 10
- Number of Collaborative dissertations guided for Postgraduate students: 03

Sl No	Title	UG/PG	Year
	Diversity and distribution of earthworms in relation to soil factors of Kollam district, Kerala, India	UG	2024
1.	Preliminary Examination of Gut Microbiota of <i>Pseudoecotroplus maculatus</i> from Kadinamkulam Lake, Thiruvananthapuram, Kerala	UG	2023
2.	Effects of Feeding Live Feeds <i>Artemia nauplii</i> and <i>Moina macrocopa</i> as Supplementary Feed on the Growth of Nile Tilapia Fingerlings ( <i>Oreochromis niloticus</i> )	UG	2022
3.	Gastropod diversity along the inter-tidal coast of Kavaratti Island, Lakshadweep, India	UG	2021
4.	A Comparative Study on Proximate Analysis and Nutritional Status of Fresh Water Molluscan Species with Marine Molluscan Species	PG	2021
5.	Gastropod diversity along the inter-tidal region of Ashtamudi Lake, Kollam, Kerala	PG	2021
6.	A comparative study on proximate analysis and nutritional status of fresh water molluscan species with marine molluscan species	PG	2021
7.	Rearing, Maintenance, Proximate and Mineral Composition of the Fresh Water Snail <i>Pila scutata</i> (Mousson, 1848)	PG	2020
8.	Macro benthic diversity of Ayiramthengu mangroves	PG	2020
9.	Rearing, maintenance, and ranching of a fresh water gastropod <i>Pila scutata</i> (Mousson, 1848)	UG	2020
10.	A comparative study of trace metal concentration in the muscle tissue of gray mullet ( <i>Mugil cephalus</i> )	PG	2020
11.	Gastropod diversity along the inter-tidal coast of Kollam, Kerala	UG	2019
12.	Comparative study on Metazoan parasites in two edible fish species	UG	2019
13.	Comparison of hydrological parameters along the T.S canal in relation with microbial content	PG	2019
14.	Comparison of sedimentological parameters along the T.S canal in relation with microbial content	PG	2019
15.	Variation and distribution of macrobenthos in relation with environmental parameters along Ayiramthengu Mangroves	PG	2019
16.	Macro benthic diversity of Ayiramthengu mangroves	PG	2019
17.	Zooplanktons as candidate bioindicators of trace metals along the coast of Kollam, Kerala, India	PG	2016
18.	Plankton diversity along the coast of Neendakara, Kollam, Kerala	PG	2015
19.	Gastropod diversity along the inter-tidal coast of Neendakara, Kollam, Kerala	UG	2014
20.	A study on the cytotoxicity and mitotic activity of heavy metals (Cu, Zn) using <i>Allium cepa</i> root tip chromosome aberration assay	PG	

➤ **EXTENSION/CONSULTANCY ACTIVITIES INITIATED**

<b>Sl. No.</b>	<b>Your Position in sequence of authors/ Role</b>	<b>Programme Title</b>	<b>Details of Activity</b>	<b>Date of event</b>
1.	<b>Programme Co-convenor</b>	UNESCO Declared Quantum Century Exhibition 2025	TKM College of Arts and Science, in collaboration with: Kerala Sasthra Sahithya Parishath (KSSP) LUCA Science Portal Centre for Science in Society (C-SiS), Cochin University of Science and Technology (CUSAT)	2025 November 21-25
2.	<b>Organizing Member</b>	Workshop on Eco-friendly Tote Making Training	Organized by: Women's Study Unit, Department of Zoology, Women's Cell, Bhoomitrasena Club and Jeevani TKM College of Arts and Science.	31.10. 2025
3.	<b>Organizing Member</b>	Mental Health Day Programme	Organized by: Mithra Women's Cell in association with the Jeevani Centre for Student Well-being, Women Study Unit & FDSJ, TKM College of Arts and Science	22. 10. 2025
4.	<b>Programme coordinator</b>	Cleanliness Drive (In the context of Malinyamuktha Navakeralam) Awareness.	Organized by: Department of Zoology, Environmental Club and Bhoomitrasena Club	15.10. 2025
5.	<b>Programme coordinator</b>	Two-Day National Seminar on "The Hidden Cost of Plastics: Ecological Impacts on Wildlife and Ecosystems"	Organized by Department of Zoology & Bhoomithrasena Club, TKM College of Arts & Science, Kollam in collaboration with the Kerala State Biodiversity Board (KSBB).	2025 September 18-19
6.	<b>Programme coordinator</b>	Cleanliness Drive (In the context of Malinyamuktha Navakeralam) Awareness.	Organized by: Department of Zoology, Environmental Club and Bhoomitrasena Club	9.09. 2025
7.	<b>Programme coordinator</b>	Elephant day Pledge and Hiroshima Day-Community awareness through Radio	Organized by Bhoomithrasena Club, Department of Zoology & Environment Club Initiative by The Ministry of Environment, Forest and Climate Change (MoEF &CC), Govt. of India	12.08.2025 06.08.2025
8.	<b>Programme coordinator</b>	Bridging Session on Career Opportunities & Upskilling in Lifesciences	Department of zoology in association with Xcellogen biotech PVT. Ltd.	25.07. 2025
9.	<b>Programme coordinator</b>	Bridging Session on Career Opportunities & Upskilling in Lifesciences	Department of zoology in association with Veta genomics PVT. Ltd.	25.07. 2025

10.	<b>Programme coordinator</b>	Celebrated International Forest and Water Day. The theme of the program was "Forests: The Pulse of Conservation" with an emphasis on biodiversity conservation.	TKM College of Arts and Science's Bhoomithra Sena Club, Mithra Women's Cell, and Zoology Department, in collaboration with the Kerala Forest and Wildlife Department.	21.03.2025
11.	<b>Organizing Member</b>	Gender Equality: Gender Discrimination, Personal Responsibility and Societal Roles	Equal Opportunity Cell, Department of Zoology, Women's Study Unit, Women's Cell & Forum for Democracy and Social Justice.	18.03.2025
12.	<b>Organizing Member</b>	Career Awareness Class on Medical Coding and Billing	in association with IREZ Academy	10.03.2025
13.	<b>Programme coordinator</b>	Awareness Talk on 'Human-Wildlife Conflict: Reasons, Remedies & Challenges'	Organized by Bhoomithra Sena club, Department of Zoology and Environment club	10.03.2025
14.	<b>Organizing Member</b>	The "Her Health, Her Power" initiative focuses on empowering women through improved healthcare access, awareness, and self-care practices.	Women's Study Unit, Department of Zoology, FDSJ Club, Jeevani Centre for Student Well-Being and Human Rights Forum.	07.03.2025
15.	<b>Organizing Member</b>	Cleanliness Drive and Awareness Campaign (Flash mob and face-to-face interaction)	Department of Zoology, Environmental Club Bhoomithrasena Club and Jeevani Centre for Student Well-Being	21.02.2025
16.	<b>Programme coordinator</b>	Wetland day Pledge Community awareness organized a mass pledge to Save Wetlands.	Organized by Bhoomithrasena Club, Department of Zoology & Environment Club Initiative by The Ministry of Environment, Forest and Climate Change (MoEF &CC), Govt. of India	2.02.2025
17.	<b>Programme coordinator</b>	Three Day Exhibition on for Biodiversity Conservation and Vanasree Value Added Products	Organized by Bhoomithra Sena club, Department of Zoology and Environment club In association with Social Forestry Extension Unit, Department of Forest, Kerala	6-8 th January 2025
18.	<b>Programme coordinator</b>	Conducted an audit of existing waste management facilities at Kottamkara, Elampallur and Kuripuzha MCFs.	Organized by Directorate of Environment and Climate Change, Government of Kerala, Bumithrasena Club of TKM College of Arts and Science, Kollam	20.12. 2024
19.	<b>Organizing Member</b>	'Eco-Friendly Pouch Making, Designing, and Fabric Printing' Workshop for Kudumbashree members in the locality	The Women's Study Unit, Environmental Club, Department of Zoology, and Bhoomithra Sena Club of TKM College of Arts and	2.12.2024

			Science, in collaboration with Fevicryl Pidilite Industries Ltd.	
20.	<b>Programme coordinator</b>	Nature education trip to Ashtamudi Lake, Kerala Ramsar site	Organized by the Bhoomithra sena club, Environment club and Department of Zoology	23.11.2024
21.	<b>Programme coordinator</b>	Inauguration of Campus Sastra Samithi Launched at TKM College of Arts and Science, Kollam.	The Department of Zoology at TKM College of Arts and Science, in association with the Environmental Club, Bhoomithra Sena Club, and the Environment Study and Research Centre of Kerala Sasthra Sahithya Parishad (ESARC-KSSP)	07.11.2024
22.	<b>Programme coordinator</b>	A forest study trip was organized in the Palaruvi-Tenmala region.	Zoology Department, Environment Club, and Bhoomithra Sena Club of TKM College of Arts and Science, Kollam. This trip was conducted under the auspices of the Kollam Social Forestry Extension Unit.	02.11.2024
23.	<b>Programme coordinator</b>	Ecosystem services shared value assessment (ESSVA) survey	Organized by Wetlands International South Asia, State Wetland Authority, Kerala & in Association with Bhoomithra sena club, Environmental club & Department of zoology , TKM College of arts and science, Kollam- 5	15.10.2024
24.	<b>Organizing Member</b>	Mental health day 2024-observance	Organized by: Women's Study Unit, Department of Zoology, Women's Cell and Jeevani TKM College of Arts and Science.	01.10 2024
25.	<b>Organizing Member</b>	Suicide rates in women: need for timely intervention	Organized by: Women's Study Unit, Department of Zoology, One Stop Center and Jeevani, FDSJ TKM College of Arts and Science.	25.09.2024
26.	<b>Programme coordinator</b>	One-day national conference on "Climate Resilience in the Context of the Wayanad Disaster."	Department of Zoology, Environmental Club and the Environment Study and Research Centre of Kerala Sasthra Sahithya Parishad (ESARC-KSSP)	03.09. 2024
27.	<b>Organizing Member</b>	Artist in me-III Glass painting and Metal art,folk Art, Artist in me-II Liquid Embroidery	The Women's Study Unit in Association with the Department of Zoology and Environmental Club, TKM College of Arts and Science	23.07. 2024 17.08. 2024 24.08 2024
28.	<b>Organizing Member</b>	SHE-LD-Up: Empowering Women Students through Self-Defence	Women's Study Unit & Department of Zoology, T.K.M. College of Arts and Science, Kollam	19.07.2024

29.	<b>Programme coordinator</b>	Literary competition on marine resources and conservation	Organized by the Literary club Environmental club in Association with Department of Zoology of TKM College of Arts and Science	28.06.2024
30.	<b>Programme coordinator</b>	World Environment Day Observance 2024	Jointly observed by the Environment Club, Women's Study Unit, Bhoomithrasena Club, and the Department of Zoology, TKM College of Arts and Science, Kollam	05.06.2024
31.	<b>Organizing Member</b>	International Women's Day celebrations - -	Organized by: Women's Study Unit, Department of Zoology TKM College of Arts and Science	07.03.2024
32.	<b>Organizing Member</b>	ECO-FRIENDLY CRAFTS TRAINING SESSION-I, II, III, IV	The Department of Zoology, Environmental Club, Women's study unit	27.01.2024 03.02.2024 24.02.2024 02.03.2024
33.	<b>Programme coordinator</b>	Curtain raiser science talk to the Global Science Festival	The Department of Zoology, Environmental Club, Women's study unit	20.12.2023 21.12.2023
34.	<b>Programme coordinator</b>	One-day training to wetland Mitras of Ashtamudi and Sasthamcotta Ramsar wetlands	Department of Zoology and Environmental Club and State Wetland Authority of Kerala (SWAK)	8.11.2023
35.	<b>Programme coordinator</b>	Swachhata Pakhwada: cleanliness drive in the catchment of Ashtamudi wetlands	Department of Zoology and Environmental Club State Wetland Authority of Kerala (SWAK)	13.10.2023
36.	<b>Organizing Member</b>	World mental health day awareness	Department of Zoology, Women's Study Unit and Jeevani Centre for Mental Well Being	9.10.2023 11.10.2023
37.	<b>Programme coordinator</b>	International carbon conference	The Social Town Talk Series is back with its Sixth Edition: International Carbon Conference, supported by Neem Software organized an online conference with Department of Zoology, Environmental Club and Women's Study Unit	7.10.2023 8.10.2023
38.	<b>Organizing Member</b>	Mussel harvest and sale	The Department of Zoology implemented the project in collaboration with the Vizhinjam Regional Centre of Central Marine Fisheries Research Institute (CMFRI).	15.06.2023
39.	<b>Programme coordinator</b>	World environment day observance	Department of Zoology and Human Rights Forum, State Wetland Authority of Kerala (SWAK)	05.06.2023
40.	<b>Organizing Member</b>	2 nd Stage seeding of cage culture	The Department of Zoology implemented the project in collaboration with the Vizhinjam Regional Centre of Central	14-02-2023

			Marine Fisheries Research Institute (CMFRI).	
41.	<b>Programme coordinator</b>	Career opportunities in the fields of Lifesciences and upskilling options for the sector	The Department of Zoology and Genomics at NIMS Medical University, Trivandrum.	27.01.2023
42.	<b>Organizing Member</b>	Cage culture harvest and sale and distribution of mussel and oyster seeds	The Department of Zoology implemented the project in collaboration with the Vizhinjam Regional Centre of Central Marine Fisheries Research Institute (CMFRI).	23.12.2023
43.	<b>Programme coordinator</b>	A Talk on Human Rights and Constitution	The Department of Zoology and Human Rights Forum	12.12.2022
44.	<b>Programme coordinator</b>	""Catch ""em young!"" December 1st World AIDS Day 2022 & Cancer Awareness Talk	Department of Zoology, Human Rights Forum Wing of IMA Trivandrum Branch in association with Sree Gokulam Medical College and Snehita Women's Health Foundation	01.12.2022
45.	<b>Programme coordinator</b>	Disaster risk resilience preparedness training	Inauguration of Disaster Management Club - TKM College of Arts and Science, College, Kollam in association with DDM & KSDM Govt. of Kerala	22.11.2022
46.	<b>Programme coordinator</b>	Value added products from the water hyacinth' one day hands on training programme	Entrepreneurship Development Club and Department of Zoology, T.K.M. College of Arts & Science, Kollam have jointly organized a hands-on training program with EichhoTech, student startup, SD College Alappuzha	28.06.2022
47.	<b>Organizing Member</b>	Beach cleaning activity as part of the un world oceans day observance	Department of Zoology, TKM collage of Arts and Science in association with SN College, Kollam and Ocean Society of India observed UN World OceanS	08.06.2022
48.	<b>Programme coordinator</b>	World Environment day- Awareness talk on Environmental conservation	Department of Zoology and Social Forestry Extension Unit, Kollam	06.06.2022
49.	<b>Participated</b>	World Ocean Day	Beach Cleaning in Kollam Beach organized by ocean society of India cochin chapter and NCCR, Ministry of Earth Science, Govt. of India	8.06.2022
50.	<b>Resource Person</b>	World Environment Day	KSSP-Kollam Environment Samithi – One world one Health	5.06.2022

51.	<b>Participated</b>	National virtual seminar on “RECENT TRENDS IN MOLECULAR BIOLOGY”	Organized by Department of Botany & Department of NSS GOVERNMENT DEGREE COLLEGE FOR WOMEN, JAGTIAL, TELANGANA In Association with GOVERNMENT DEGREE COLLEGE GAMBHIRAOPET, RAJANNA SIRICILLA	18.05.2022
52.	<b>Participated</b>	State level Online Climate Leadership Training Programme	Bhoomitra sena Club, Christian College, Chengannoor in association with Directorate of Environment and Climate Change Govt of Kerala	6 – 18 March 2022
53.	<b>Programme coordinator</b>	Field Visit 2	Matsyafed Chitin & Chitosan Plant, Neendakara, Kollam, Kerala	05.03.2022
54.	<b>Programme coordinator</b>	NATIONAL SCIENCE DAY 2022	Centre for Science in Society (C-SiS), Cochin University of Science and Technology, Kochi.	28.02.2022
55.	<b>Programme coordinator</b>	"K-DISC Yip WEBINAR 2022	Kerala Development & Innovation Strategic Council (K-DISC)	09.02.2022
56.	<b>Programme coordinator</b>	UN World Wetland Day Global Talk	King Abdul-Aziz University, Jeddah.	04.02.2022
57.	<b>Programme coordinator</b>	WORLD WETLANDS DAY OBSERVANCE 2022	Social Forestry Extension Unit, Kollam	02.02. 2022
58.	<b>Programme coordinator</b>	Field Visit 1	Matsyafed Prawn Hatchery & Research Centre, Thirumullavaram, Kollam	28.12.2021
59.	<b>Participated</b>	Internship in Counseling psychology	Ardram counseling center, Kollam City police	18.12.2021 to 17.01.2022
60.	<b>Course Coordinator</b>	ESCC (Environment Science certificate course)	ESARC, KSSP- Kollam	2021-2022
61.	<b>Resource Person</b>	World Aids Day Awareness Talk	NSS, Unit SFU/39, MGD HSS for boys, Kundara	01.12.2021
62.	<b>Programme coordinator</b>	Ecosystem restoration on Gandhi Jayanthi 2021	Namma Maram Global Foundation	02.10.2021
63.	<b>Programme coordinator</b>	BCI Photo exhibition	Birds Club International	06 .10. 2021
64.	<b>Programme coordinator</b>	First aid day training workshop 2021	Department of Zoology, TKM CAS & Govt. TD college, Alappuzha	21.09.2021
65.	<b>Programme coordinator</b>	Value added products from water hyacinth	Department of Zoology, TKM CAS & P. G. Department of Zoology and Principal Investigator, Centre for Research on Aquatic	16.09.2021

			Resources, S. D. College, Alappuzha	
66.	<b>Programme coordinator</b>	Workshop on Making of Cleansing Agents'	Department of Zoology, TKM CAS & Kerala Sasthra Sahithya Parishath, Kollam	03.09.2021
67.	<b>Participated</b>	Seven Days Faculty Development Programme	"OUTCOME BASED EDUCATION" organized by IQAC in academic collaboration with Kerala State Higher Education Council	03.08.2021 – 09-08-2021
68.	<b>Programme coordinator</b>	UN World Ocean Day 2021	PG & Research Department of Zoology, St. Gregorios College, Kottarakara	12.06.2021
69.	<b>Programme coordinator</b>	UN World Environment Day	Department of Zoology, TKM CAS and Department of Environment & Climate change	05.06.2021
70.	<b>Programme coordinator</b>	Workshop on RAAS system and vegetable cultivation	Department of Zoology, TKM CAS and Mr. Devi Chand Farm, Koottikada	26.03.2021
71.	<b>Programme Member</b>	Observance of the International Day of Elderly and Breast Cancer Awareness Month	Indian Dental association, Kollam	01/10/2019
72.	<b>Programme Member</b>	Namma Maram Global Foundation Special Programme	Awareness Talk	July 01 <sup>th</sup> 2021
73.	<b>Programme Member</b>	Namma Maram Global Foundation	Lahari Virudha dhinam Talk	June 26 <sup>th</sup> 2021
74.	<b>Programme coordinator</b>	UN World Oceans Day	Department of Zoology in association with Environmental Club, T.K.M College of Arts and Science, Kollam	June 12 <sup>th</sup> 2021
75.	<b>Programme Member</b>	UN World Environment Day	Department of Zoology in association with Environmental Club & IQAC, T.K.M College of Arts and Science, Kollam	June 05 <sup>th</sup> 2021
76.	<b>Programme Member</b>	An Online Carrier /Exam Orientation Programme	Department of Zoology, TKM college of Arts and science and e- Bio, Kozhikode	May 30 <sup>th</sup> 2021

77.	<b>Programme coordinator</b>	International day of observing wild life week	Department of Zoology, TKM college of Arts and science and the Kollam social forestry extension unit.	March 03 <sup>rd</sup> 2021
78.	<b>Programme coordinator</b>	Joy and Income from Pets	Department of Zoology, TKM College of Arts and Science in association with Kerala government Livestock Management and Training Center (LMTC), Kottiyam	March 19 <sup>th</sup> 2021
79.	<b>Resource Person</b>	Animal Originated Diseases	KSSP-Kollam Environment Samithi	14.02.2021
80.	<b>Resource Person</b>	Life science - practical sides	KSSP-Kollam Environment Samithi	26.12.21
81.	<b>Resource Person</b>	Physicochemical Analysis of water	KSSP-Kollam Environment Samithi	09.01.2021
82.	<b>Organizing member</b>	Evolving field of Oncology and Career transition	PG and Research Department of Zoology Fatima Mata National College (Autonomous), Kollam Kerala;	28 <sup>th</sup> May 2020
83.	<b>Participated and passed the entry level assessment</b>	Tide Turners Plastic Challenge	WWF, UNEP, CEE and MSF.	25 <sup>th</sup> May 2020.
84.	<b>Programme coordinator</b>	International Day of Happiness	Department of Zoology, TKM CAS and Livestock Management and Training Centre, Kottiyam	19.03.2021
85.	<b>Programme coordinator</b>	World Wildlife Day Observance	Department of Zoology, TKM CAS and Kerala Forest Department-SocialForestry, Kollam	03/03/2020
86.	<b>Programme Member</b>	World Cancer Day Observance	Department of Zoology, TKM CAS	04/02/2020
87.	<b>Resource person</b>	Samagra Shiksha Abhiyan Sasthrapadham Science Enrichment Residential Camp, Higher Secondary Student	DCE & DGE, Govt of Kerala, TKMCAS, Kollam	24 to 25 January 2020
88.	<b>Organizing committee member</b>	State International day of Elderly and Breast Cancer Month Awareness	Health Club and Department of Zoology, TKMCAS, Kollam	1 <sup>st</sup> October 2019.

89.	<b>Joint convener and Editor</b>	International Seminar on Blue Growth Initiative Sustainable fishery development strategies and advanced technologies for aquaculture (BISFAA)	PG & Research Department of Zoology, FMN College, Kollam	August 7-9, 2019
90.	<b>Organizing committee member</b>	World Environment Day 2019	PG & Research Department of Zoology, FMN College, Kollam sponsored by KSCSTE, Government of Kerala, Thiruvananthapuram.	14 <sup>th</sup> June 2019
91.	<b>Chaired a session and organizing committee member</b>	World Wet Land Day 2019,	PG & Research Department of Zoology, FMN College, Kollam Sponsored by KSCSTE, Government of Kerala, Thiruvananthapuram.	08 Feb 2019
92.	<b>Organizing committee member</b>	Kottamkara Grama Panchayath total plastic eradication programme	TKM College of Arts and Science (Health club, NSS unit & Dept. of Zoology) & Kottamkara Grama Panchayath	24 & 25 February, 2020
93.	<b>Resource Person and Handled a Practical Session</b>	Workshop on practical training higher secondary teachers in biology - 'Disha'	PG & Research, Department of Zoology, FMN College, Kollam	15-16 February, 2019.

#### ➤ CO & EXTRACURRICULAR ACTIVITIES

- Field-Based Academic Activities
- Laboratory & Skill-Based Workshops
- Environmental Awareness Activities
- Health & Mental Wellness Initiatives
- Science Communication & Outreach
- Student Mentoring & Academic Support
- Research & Innovation Activities
- Club Activities & Community Extension
- Skill Development & Certificate Courses

#### Declaration

I hereby declare that all statements mentioned above are complete, true and correct to the best of my knowledge and belief.

Dr Mumthas Yahiya