

# PROFESSIONAL PORTFOLIO

**Name :** Dr. Kesavan K

**Designation:** Associate Professor.

**Department:** Aquaculture

**Official Address:** Associate Professor & Head, Dept. of Aquaculture,  
M E S Asmabi College, P. Vemballur, 680671, Thrissur.



**Personal address:** Kombankulam Illam, Kadannappally (P O), Kannur, 670501

## **Educational qualifications (PG onwards)**

Qualification	Year	University	Class obtained
M.Sc.	1994	Cochin University of Science & Technology	First
Ph D	2009	Cochin University of Science & Technology	NA
CSIR- UGC JRF & NET (Life Sciences)	1997	CSIR - UGC	NA
ARS- NET (Fishery Science)	1999	ASRB- ICAR	NA
ARS – NET (Aquaculture)	2000	ASRB- ICAR	NA
PG Diploma in Environmental Education & Management (PGDEM)	2002	University of Hyderabad (Central University)	First class with distinction.

**Date of joining:** 06/07/1999

**Experience in years:** 23

**Subjects handling:** Aquaculture, Aquarium keeping, Fish Genetics,  
Fish nutrition & Biochemistry, Biotechnology, Biodiversity,  
Hatchery Technology and Practicals.

## **Achievements**

Nature/name of achievement	Year	Significance
National Topper and Gold Certificate in NPTEL – SWAYAM FDP Course in ‘Appreciating Carnatic Music’ from IIT Madras.	2022	A key pillar of the National Education Policy (NEP 2020) is liberal (“holistic and multidisciplinary”) education, which sensitises students to the fundamentally interconnected nature of all human knowledge and enquiry. Teacher should be capable of handling any area of knowledge and the achievement can be reckoned as an indicator of preparedness towards this vision.
National Topper and Gold Certificate in NPTEL –	2020	Knowledge updation in area of curriculum teaching.

**Area of interest/specialisation:** Aquatic Pollution, Fish Biochemistry and Eco-toxicology.

**Publication details (in API format of referencing):**

1. K Kesavan, N R Menon and N N Menon (2015). Antioxidant Mediated Repair of copper toxicity in renal and hepatic and gill tissues of *Oreochromis mossambicus* (Peters). Can. J. of Fish. Aquat. Sci. 22: (3), 96-100pp.
2. S.Raja, K. P. B. Dinesh and K. Kesavan (2014) Bioremediation by using of microbes and algae with special reference to Coastline Environment. International Journal of Biosciences and Nanosciences, Volume 1 (6), 2014, pp. 130-140. ISSN-2349-5251
3. K Kesavan and Mohammed Areej (2015) Biomolecules from Fish in Cancer Treatment and Prevention: A Review – Proceedings of UGC sponsored National Seminar on 'Recent Developments in Cancer Biology' - Pazhassiraja College, Pulpally, Wayanad (24-25 July, 2015).
4. K Kesavan (2013) Biochemical assessment of curative effect of Vitamin C on Malachite green induced toxicity in *Oreochromis mossambicus* (Peters). Meridian ISSN 2278-750 X , Vol. 2, No. 3, pp 22-33.
5. K Kesavan (2013). Establishing Eco-culture in Campuses. Proceedings of National Conference on Education for Sustainability: Challenges and Opportunities. Education for Sustainability: Challenges and Opportunities, ISBN : 978 – 81 – 923985 – 4 – 9.
6. K Kesavan (2012). Biochemical and histopathological assessment of Metacid 50 induced toxicity and vitamin C based repair in *Oreochromis mossambicus* (Peters). Proceedings of Indo-UK Conference on "Shrimp Aquaculture- Challenges' and Innovative Solutions" – Department of Bioinformatics, Bharathidasan University, Tiruchirappally, P 55.
7. K Kesavan (2011). Biochemical and Haematological perturbations due to copper toxicity and EDTA mediated restoration in *Oreochromis mossambicus* (Peters). Proceedings of National Seminar on "Biosecurity in Aquaculture" held at MES Asmabi College, P. Vemballur, 28<sup>th</sup> Feb-1<sup>st</sup> March 2011, P.46-63.
8. K. Kesavan, K.B. Padmakumar and N.R. Menon: (2007). Ethological aspects of chromatophore distribution in *Oreochromis mossambicus* (Peters). Proceedings of 8<sup>th</sup> AFF, pp 333

**Paper presentation details:**

1. Biochemical and histopathological assessment of Metacid 50-induced toxicity and vitamin C-based repair in Indo-UK Conference on Shrimp Aquaculture: Challenges and Innovative Solutions (SACIS), Bharathidasan University, Thiruchirappalli, 25-27 January, 2012.
2. Ethological Aspects of Chromatophore Distribution in *Oreochromis mossambicus* (Peters). 8<sup>th</sup> Asian Fisheries Forum, Kochi, 20-23 November 2007.
3. K Kesavan (2011). Biochemical and Haematological perturbations due to copper toxicity and EDTA mediated restoration in *Oreochromis mossambicus* (Peters). National Seminar on "Biosecurity in Aquaculture" held at MES Asmabi College, P. Vemballur, 28<sup>th</sup> Feb-1<sup>st</sup> March 2011.
4. Biomolecules from Fish in Cancer Treatment and Prevention: A Review: UGC sponsored National Seminar on 'Recent Developments in Cancer Biology' - Pazhassiraja College, Pulpally, Wayanad (24-25 July, 2015).
5. Establishing Eco-culture in Campuses. National Conference on Education for Sustainability: Challenges and Opportunities. Education for Sustainability: Challenges and Opportunities, MES College, Marampally, 12-13 June, 2013.
6. Restorative Effects of Vitamin C on Malachite-green induced Toxicity in *Oreochromis mossambicus* (Peters). UGC- sponsored National Seminar on Fragile Habitats – Prospects and Retrospects, Payyanur College, Payyanur, 16-17 March, 2012.
7. EDTA mediated Toxicity in *Oreochromis mossambicus* (Peters). UGC Sponsored National Seminar on Biosecurity in Aquaculture, MES Asmabi College, 28<sup>th</sup> February – 1<sup>st</sup> March, 2011.

**Books/ Chapter in book : Nil**

**FDP/PDP attended:**

1. 12 Weeks NPTEL - SWAYAM FDP on 'Advanced Aquaculture Technologies' – July – September 2022 (IIT Kharagpur).
2. 12 Weeks NPTEL - SWAYAM FDP on 'Animal Physiology' Sept. – Dec. 2020 (IIT Kanpur).
3. 8 Weeks NPTEL - SWAYAM FDP on 'Cell Culture Technologies' Feb.- April 2020 (IIT Kanpur).
4. 8 Weeks NPTEL - SWAYAM FDP on 'Appreciating Hindustani Music' –Feb.- April 2022 (IIT Madras).
5. 8 Weeks NPTEL - SWAYAM FDP on 'Appreciating Carnatic Music' –July.- Sept. 2022 (IIT Madras).
6. One day Orientation programme on 'From Teacher to Teacher Plus' organised by IQAC of M E S Asmabi College on 30/01/2020.
7. 3 day National Online FDP on 'Educational Video Creation- E Content Development (EVC- 2020)' 11 -13 May 2020 organised by Toshniwal Arts, Commerce and Science College, Maharashtra.
8. 5 day National FDP webinar on 'Pedagogical Approaches and Digital Tools for Effective Teaching and learning' 03 - 07 August, 2020. Organised by MES Keveeyem

College, Valanchery under the UGC Paramarsh Scheme in association with Kerala State Higher Education Council.

9. 7 day national online entrepreneurship course on 'Ornamental Fishes- production, Trade and Technology Transfer held from 3 to 9 August 2020 organised by PG and Research Department of Zoology, Kongunadu Arts & Science College (Autonomous) – Coimbatore.
10. Workshop on Question Bank Preparation under revised CBCS of University of Calicut, 26 and 27 July 2019. Held at University of Calicut.
11. Orientation Programme on SAAC – State Level Accreditation- organised by Kerala State Higher Education Council (KSHEC) on 200/9/2019 at Vimala College, Thrissur.
12. Two Day workshop on 'Redesigning of Courses for Outcome Based Education held from '12 to 14 February 2019. Held at University of Calicut and organised by Kerala State Higher Education Council (KSHEC) and University of Calicut.

#### **Major Seminar/Workshop participation:**

1. National Seminar on 'Safe Fish for Healthy Life' on 07/06/2022 held at CIFT Kochi – jointly organised by CIFT, Society of Fisheries Technologists India and (Food Safety and Standards Authority of India –FSSAI).
2. Participated in the International Webinar on 'Food Safety Standards & Hazard Issues' organised by the Research Department of Aquaculture & Fishery Microbiology on 4<sup>th</sup> and 5<sup>th</sup> of July 2021.
3. 'Research – Concept to Process' – organised by IQAC and Research Dept. of English, MES Asmabi College, P. Vemballur on 06/08/2021.
4. 'The Strive for Quality Science Research Publication' – organised by IQAC and PG and Research Dept. of Botany, MES Asmabi College on 28<sup>th</sup> July 2021.
5. National Webinar on 'National Education Policy and Academic Bank of Credits' – organised by the IQAC of Providence Womens College, Kozhikode on 19/8/2021.
6. National Webinar on ' Medicinal Plants and Healthcare in the Month of Karkidaka' organised by PG and Research Dept. of Botany on 8/6/2021.
7. National Webinar on 'Challenges, Opportunities and Innovations in Marine Drug Discovery' organised by Association of Fisheries Graduates on 11/9/2021.
8. Online IP Awareness/Training Programme under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION (NIPAM) on 14<sup>th</sup> February 2022. Offered by IPR Cell Chennai and hosted by PG and Research Department of Botany, M E S Asmabi College.
9. 3 day National Online FDP on 'Educational Video Creation- E Content Development (EVC- 2020)' 11 -13 May 2020 organised by Toshniwal Arts, Commerce and Science College, Maharashtra.
10. 5 day National FDP webinar on 'Pedagogical Approaches and Digital Tools for Effective Teaching and learning' 03 - 07 August, 2020. Organised by MES Keveeyem College, Valanchery under the UGC Paramarsh Scheme in association with Kerala State Higher Education Council.

11. 7 day national online entrepreneurship course on 'Ornamental Fishes- production, Trade and Technology Transfer held from 3 to 9 August 2020 organised by PG and Research Department of Zoology, Kongunadu Arts & Science College (Autonomous) – Coimbatore.
12. 'Web Tools and Platforms for Online Classes' – 3 day State Level Webinar organized by Kerala Private College Teachers Association from 3 to 4<sup>th</sup> June 2020.
13. 'Advanced Remote Learning In and Post-Pandemic Era' – State Level Webinar organized by Department of Psychology and IQAC of MES Asmabi College on 25/7/2020.
14. 'Importance of medicinal Plants in the Month of Karkkidakam' State level webinar 29/7/2020. PG and Research Department of Botany MES Asmabi College.
15. Development of Technology in Fisheries & Aquaculture with special reference to the Fish Production & Processing" (National Webinar) 17th & 18th August, 2020 IQAC and Dept. of Industrial Fisheries of Asuthosh College, Kolkata.
16. 'Higher Education: Power, People and Democracy' State level Webinar Series 22, 23, 28 and 29 August 2020 Kerala Private College Teachers Association.
17. Taxonomy of Barbs and Catfishes Webinar State 30/09/2020 Aquaculture and Fisheries Graduates (AFG) Kerala.
18. 'Materials in Medicine' Webinar International 03/10/2020 and 05/10/2020 IQAC and Departments of Chemistry & Biochemistry of MES Asmabi College.
19. Healthy Food via Ayurveda Webinar (State level) 15/10/2020. Department of Zoology, KKTU Govt. College, Pullut.
20. Ornamental fish Webinar "SOFI 2020" Webinar International 15 - 17th October, 2020 School of Industrial Fisheries, Cochin University of Science and Technology.
21. Ecosystem Services of Wetlands' Webinar State 17/10/2020 Association of Fishery Graduates, Kerala
22. Start Ups in Kerala –Challenges and Prospects' Webinar State 23/10/2020 IEDC and ED club – MES Asmabi College.
23. World Science for Peace and Development ' Webinar State 10/11/2020 Aided Science Departments of MES Asmabi College as a part of National Science Day Celebration.
24. 'Women Migrant Workers and Covid 19' Webinar State 20/11/2020 Department of Political Science, MES Asmabi College.
25. NUTRITION SECURITY AND FISHERIES' Webinar State 21/11/2020. Association of Fisheries Graduates (World Fisheries Day Celebration)
26. 'Biodiversity conservation- Role of local self governments' Webinar State 28/11/2020 Department of Zoology, K K T M Government College, Pullut.
27. Skill Share Week Online Workshop State 25 to 30 May 2021 IEDC – MES Ponnani College, Ponnani.
28. National Seminar on Bharatheeya Dharma aur Sanskriti, MES Asmabi College, 18<sup>th</sup> February 2012.
29. UGC –sponsored National Seminar on Nanoscience and Nature, MES Asmabi College, 12 – 13 January, 2011.
30. Quality Sustenance in Higher Education: Challenges and Prospects of Academic and Research Transactions, NAAC sponsored National Seminar, Christ College, Irinjalakkuda, 8<sup>th</sup> – 9<sup>th</sup> December, 2011.
31. National Seminar on Aquaculture Diversification, MES Ponnani College, 21<sup>st</sup> and 22<sup>nd</sup>

- October, 2008.
32. National Seminar on Bioactive Compounds from Marine Organisms, Department of Marine Biology, Microbiology and Biochemistry, CUSAT, 14<sup>th</sup> – 15<sup>th</sup> March, 2008.
  33. National seminar on Possible Impacts of Sethusamudram Project along Kerala Coast, organized by Rajiv Gandhi Chair in Contemporary Studies, October 18, 2007.
  34. National Seminar on Indian Agriculture and Environmental Perspectives - organized by Swadeshi Science Congress and Fisheries College, Panangad, Kochi, 11<sup>th</sup> October, 2007.
  35. KSHEC Sponsored Training Workshop on Bioinformatics, MES Ponnani College, 4<sup>th</sup> and 5<sup>th</sup> August 2010.
  36. College level training programme on General Informatics, MES Asmabi College, 22-24 November, 2010.
  37. KSCSTE Sponsored regional seminar on Intellectual Property Rights, 25<sup>th</sup> January, 2011.

**Acted as resource person/ Invited lectures delivered:**

1. Training Webinar on ‘Fundamentals of Finfish Hatchery Technology’ organised by PG Department of Aquaculture, St. Alberts College (autonomous) for B.Voc. Commercial Aquaculture students on 13/7/2021 (10-12 AM via Google Meet).
2. Extension talk- Agricultural Technology Management Agency (ATMA) extension series programme of Kerala Agriculture Department ‘Fish for Income and Nutrition’ – 05/01/2021.
3. Resource person on Awareness programme to faculties of Sree Narayana College, Nattika on NAAC accreditation under Revised RAF. (Organised by IQAC of SN College, Nattika), 06/12/2019.
4. ‘Jala Jeevitham’, Fish Farmers’ seminar on New Arenas of Fish Farming in Rural areas. (Poovathum Kadavu Farmers’ Co-operative Bank and Department of Agriculture, Govt. of Kerala), 02/07/2019.

**Additional duty other than teaching in the Department:**

- Head of the Department.
- NIRF Co-ordinator.
- NSS Programme Officer (2009- 10 to 2011- 12).
- IQAC. (Dr. Kesavan K – Coordinator from 2012 to 2019, Member and Advisor – 2020 onwards).
- College Journal (Meridian) Editorial Board. – Member.
- College Council. – Member.
- RUSA – Coordinator – (2017-19).
- ARIIA – Member.
- Library Advisory Committee- Member.
- Purchase Committee& Building Committee – Member.
- Planning board – Member.
- Department Council for CBCSS – Member.
- Foreign students Welfare - Nodal Officer.

### **Programmes organised:**

1. Induction Programme for Freshers batch 2022- ,VISTA, on 29/09/2022. Prof. Dr. A A Mohammed Hatha, Director School of Marine Sciences, Cochin University of Science and Technology was the Resource Person.
2. Regional seminar on ‘Contributions of India in Fishery Post Harvest Technology’ on 08/08/2022. Dr. Prajith K K, Sr. Scientist, Fishing Technology Division, CIFT Kochi spoke on CIFT’s contributions to Fishing Technology and Fishery Post Harvest Technology. (AZADI KA AMRIT MAHOTSAV programme).
3. Interdepartmental Quiz Competition ‘Swaraj Quiz’ on 08/08/2022. The programme was held as a part of ‘Azadi Ka Amrut Mahotsav’ celebrations when India celebrates 75<sup>th</sup> Anniversary of Independence.
4. Organised and conducted an International Erudite Talk on ‘Reduce Food Safety Risks with Good Aquaculture Practices’. Resource Person: Mr. Stanley Serfling (Aquaculture Policy Specialist, USFDA). Held in the FN on 22/6/2022.
5. Conducted an ideation competition (Idea Fest) for V semester B.Sc. Aquaculture students on 21/7/2022.
6. National Webinar on ‘Prospects of Asian Sea Bass and Mud Crab Aquaculture in India’ on 12/01/2022. Dr. Ganesh K, Asst. Director, MPEDA, Mangalore was the resource Person. Held via Google Meet from 10 AM to 1.30 PM. 102 students and five faculties including Principal participated in the webinar.
7. Conducted Induction Programme ‘VISTA’ for I semester students (offline mode) on 22/12/2021. Dr. Anvar Ali P H, Assistant Professor, Dept. of Fisheries Recourse Management, Kerala University of Fisheries and Ocean Studies was the Resource Person. All the three faculties, Principal and 42 out of 45 students of 2021 admitted batch participated.
8. Induction- cum-Motivational talk on self improvement as a student of science and scope of fisheries and seafood sector in academic and industry circles. 15/12/2020: Dr. A A Mohammed Hatha, Professor, Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science & Technology.
9. Induction-cum-orientation talk on ‘Career opportunities, entrepreneurial and innovation prospects and higher studies avenues of fisheries graduates’. 21/12/2020: Dr. Prajith P P, Scientist, Central Institute of Fisheries Technology, ICAR was the resource person.
10. Entrepreneurship opportunities in fisheries sector, Webinar by Dr. N. Mini Sekharan, Assistant Professor CUSAT, 9<sup>th</sup> September 2020, Department of Aquaculture M.E.S Asmabi College.
11. Fish Farmers Online Training by Sri. Viswakumar, Assistant Director, MPEDA Regional division, Kochi, 28<sup>th</sup> October 2020, Department of Aquaculture M.E.S Asmabi College.
12. NAAC sponsored National Conference on: “Role of ICT in Institutional Quality Enhancement: - Analyzing Current Status and Exploring New Frontiers”- 17th and 18th of June 2014.
13. UGC Sponsored National Seminar on ‘Biosecurity in Aquaculture’ - 28<sup>th</sup> Feb-1<sup>st</sup> March 2011.

**Academic/Professional Memberships:**

<b>ACADEMIC /PROF. BODY</b>	<b>POSITION IN THE BODY</b>	<b>PERIOD</b>
Reviewers panel – SYMBIOSIS – Springer Journal	Member	2021 onwards.
Board of Studies in Aquaculture, (UG and PG) –University of Calicut.	Chairman	2016-2020
Faculty Council, University of Calicut	Member	2016-2020
Board of Examiners SH College, Thevara (Autonomous)	Member	2014 to 2019
BoS in Aquaculture, St. Alberts College, Ernakulam (Autonomous)	Member	2017 to 2020
Panel of Teacher Selection Board in Aquaculture (Subject Expert), University of Calicut.	Member	2017 to 2020
Association of Fisheries Graduates, Kerala	Life Member	2020 onwards
Board Examiners- of B. Voc. Fish Processing Technology	Chairperson	2020-21

**Consultancy services:** Informal consultancy in Aquarium Keeping and Freshwater Fish Farming

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