

Dr. S. SHEELA.

Assistant Professor of Zoology

ADMINISTRATIVE DISTINCTION

- National Service Scheme (NSS) Programme Officer
- University examination chief superintendent
- PTA secretary
- Chief coordinator of flood relief camp
- Staff advisor of college union
- Staff secretary
- NCC Care Taker
- Convener Academic Extension Committee
- Convener Guidance and Counseling
- Convener women Empowerment cell
- Convener Birds Club International
- Convener of Organ donation camp
- Convener of Vimukti Club
- Convener Bhoomitra Sena Club,
- Convener of National teachers day celebrations
- Convener of Ozone day seminar funded by KSCSTE (two years)
- Convener of KARANEL KRISHI
- Convener of LIFE STYLE DETECTION CAMP
- Coordinator of WEALTH FROM WASTE- paper bag making and paper pen making
- Member - IQAC, Research committee, Admission committee, CLMC, Nature club, Science club, PTA, Sree Narayana Study Centre, Entrepreneurship development club, college election, CLMC
- WWS mentor
- SSP faculty

AWARDS & ACHIEVMENTS

- Received NG KURUP GOLD MEDAL from the University of kerala for securing First Rank in M.Sc. Zoology
- Received K BHASKARAN NAIR GOLD MEDAL from the University of kerala

MEMBERSHIP IN EXTERNAL BODIES

- Member, in the IQAC Core team MSM College, Kayamkulam
- NATURE SCIENCE FOUNDATION , Coimbatore, Tamil Nadu, India
- Life long member in Indian science congress
- Life member in ECSA (Estuarine and Coastal Sciences Association}
- Life member in Alappuzha Natural History Society ANHS)



Pandiyalatharayil
Erickavu P. O.
Karthikapally via
Harippad

Alappuzha, Kerala, India



+91 9447348441



drssheela@tkmmc.ac.in

QUALIFICATION

M.Sc., Bed., MPhil, Ph.D.

DATE OF JOINING

25.02.2010

EXPERIENCE IN YEARS

12 years

AREA OF RESEARCH

Transgenic fishes
Cancer biology.

RESEARCH GUIDESHIP

- Research Guide in Zoology, Kerala University, Thiruvananthapuram, Kerala.
- No of research scholars :2

PUBLICATION

IN PROCEEDINGS

1. Production of transgenic Rohu by sperm mediation . Sheela S, pp 53-57. UGC sponsored National seminar on BIOSCIENCES IN GENOMIC ERA at SN College Cherthala from 02/07/2015-03/07/2015. P- 53-57.
2. Sperm mediated gene transfer in *Labeo rohita* and *Trichogaster trichopterus* Sheela S Book of Abstracts- National Seminar on Reaching the Unreached Through Science and Technology (RURTST-2018) February 12-14, 2018. Department of Zoology, S.N.College, Kollam P. 43
3. Microinjection of disease resistant gene to produce transgenic Zebra fish S Sheela and Soosamma Kavumpurat Proceedings of the International seminar on Blue Growth initiative: sustainable Fishery development strategies and advanced technologies for aquaculture (BISFAA) organised by PG & Reserch department of Zoology Fatima Mata National College , Kollam from 7th to 9th august 2019
4. Genetic engineering in fishes: S Sheela and Soosamma Kavumpurath . Research journal of Fatima Mata National College Kollam. 2003, p- 15-22

JOURNAL

- Sperm mediated gene transfer in *Labeo rohita* (hamilton 1822) ,Uttar Pradesh journal of zoology, 41(22): 31-37, 2020 ISSN: 0256-971X (P)
- Green Synthesis of Silver Nano Particles from *Saracaasoka* and its Antimicrobial Activity Against *Listeria monocytogenes* and *Salmonella typhimurium*, 1Sheela. S, © 2019 JETIR June 2019, Volume 6, www.jetir.org (ISSN-2349-5162)
- Basic techniques of microinjection , S Sheela and Soosamma Kavumpurath . Uttar Pradesh Journal of Zoology 28 (1) 00-002008. P. 87-91

BOOKS PUBLISHED

AUTHOR (BOOKS CHAPTER)

1. **ENERGY AND ENVIRONMENT MANAGEMENT AUDITS**, Chapter 6. BIODIVERSITY CONSERVATION. Pp 75-84. AkiNik Publications 2021. ISBN- 978-93-91538-26-2 Book doi: <http://doi.org/10.2271/ed.book.1370>. Publication year 2021

BOOKS CO-AUTHORED

1. TEXT BOOK – Co- author of text book **CELL BIOLOGY** core course Zoology for Fourth semester B.Sc., Degree programme published by Manjusha Publications. ISBN No. 978-93-86218-21-6. First Edition; 2016
2. TEXT BOOK Co- author of text book **METHODOLOGY AND PERSEPECTIVES OF ZOOLOGY** core course Zoology for Third semester B.Sc., Zoology (Keral University) published by Manjusha Publications. First Edition; 2016
3. TEXT BOOK – Co- author of text book **NON CHORDATE ZOOLOGY** for complementary course first semester B.Sc . Zoology (Kerala University) Zoology for Fourth semester B.Sc., Degree programme published by Manjusha Publications. First Edition; 2016

INVITED LECTURES (as Resource Person)

- As subject expert for the selection of Biology teachers in SN Trust Central School Nangiarkulangara
- In association with KSSP, Kollam took classes for the public on the importance of invertebrates.
- Awareness class on the importance of mangroves for the kudumbasree unit of Valiazheekkal
- Awareness class on blood donation for the public on 14/06/2016 in association with Samabhavana samskarika Samithi Harippad
- Resource person in LEARN IN LOCKDOWN PROGRAMME 2019, organized by AKPCTA, Kerala

ORAL / POSTERS PRESENTED / ATTENDED IN NATIONAL AND INTERNATIONAL CONFERENCES

(Attended as an Assistant Professor)

- National seminar on Impact of climate change on fish and fisheries at SN college Cherthala from 26/06/2014 to 27/06/2014
- NAAC sponsored national seminar on Institutionalising quality and accountability in higher education through autonomy on 26th and 27th August 2016.
- Environment science and human rights xxlxAGB at Department of Zoology CMS College, Kottayam on 29/09/2018
- National seminar on impact of climate change on fish and fisheries from 26/6/2014 to 27/6/2014 at Post Graduate and Research Department of Zoology at Sree Narayana College, Cherthala, Alappuzha, Kerala.
- National seminar on biotechnology vs biodiversity challenges and options from 21/11/2012 to 22/11/2012 at Sree Narayana College, Kollam, Kerala.
- State level seminar on life style and cancer, on 28/6/2012 at St. Michaels College, Cherthala, Alappuzha, Kerala.
- Seminar on INTELLECTUAL PROPERTY RIGHTS on 21/3/2012 at Sree Narayana College, Kollam, Kerala.
- State Level seminar on DATA MINING on 3/2/2011-5/2/2011 at Sree Narayana College, Cherthala, Alappuzha, Kerala.
- National seminar on ENERGY CONSERVATION on 29/3/2011-30/3/2011 at Sree Narayana College, Cherthala, Alappuzha, Kerala. 7) Swadeshi Science Congress on 6/11/2010-8/11/2010 at CMFRI, Kochi, Kerala
- Training programme in GENERAL INFORMATICS from 7/12/2010 to 9/12/2010 at Sree Narayana College, Cherthala, Alappuzha, Kerala.
- National seminar on Environmental pollution -modern chemicals techniques industrial effluent managemet from 27/2/2007 to 28/2/2007 at Fatima Mata National College, Kollam
- National seminar on molecular medicine for cancer on 4/1/2007 at Bishop Moore College, Mavelikara, Kerala.
- PHYTOTECH-2006 On 10/8/2006 at MACFAST, Thiruvalla, Kerala..
- National seminar on Current trendz in Biotechnology on 23/9/2004 at Mar Ivanios College, Thiruvananthapuram, kerala.
- National seminar on recent trends in biotechnology on 5/2/2002 at Fatima Mata National College, Kollam.
- 9 th Swadeshi science congress from 5/11/1999 to 7/11/1999 at Fatima Mata National College, Kollam.

ORAL PRESENTATIONS:

- Sperm mediated gene transfer in *Labeo rohita* and *Trichogaster trichopterus* in National seminar reaching the unreached through science & technology RURST 2018, 12-14 February 2018 at SN College Kollam in association with The Indian Science congress
- Transgenic Fishes- in National seminar on future India: Science Technology Advances in Integrated Scientific Reserch at MSM College Kayamkulam in association with Indian Science Congress Cochin chapter
- Effect of coconut oil on lipid metabolism in *Anabas testudineus*, 1999. 9th Swadeshi Science congress
- Production of transgenic Rohu by sperm mediation . Sheela S, pp 53-57. UGC sponsored National seminar on BIOSCIENCES IN GENOMIC ERA at SN College Cherthala from 02/07/2015- 03/07/2015. P- 53-57.
- Microinjection of disease resistant gene to produce transgenic Zebra fish S Sheela and Soosamma Kavumpurath Proceedings of the International seminar on Blue Growth initiative: sustainable Fishery development strategies and advanced technologies for aquaculture (BISFAA) organised by PG & Research department of Zoology Fatima Mata National College , Kollam from 7th to 9th august 2019

ORIENTATION/REFRESHER COURSES

1. Participated in UGC sponsored **special summer school programme conducted by** UGC-HRDC, University of Kerala, Kariavattom from 28/05/2015 to 17/06/2015 and obtained 'A' grade.
2. Participated in the UGC sponsored **Orientation Programme** conducted by UGC-HRDC, University of Kerala, Kariavattom from 28/02/2018 to 27/03/2018 and obtained 'A' grade.
3. Participated in the UGC sponsored **refresher course in Life sciences** conducted by UGC-HRDC, University of Kerala, Kariavattom from 11/07/2019 to 24/07/2019 and obtained 'A' grade.

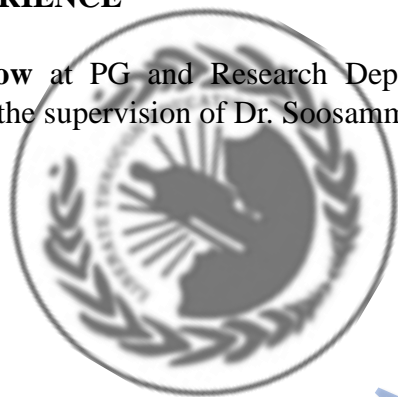
TRAINING PROGRAMME

- National workshop on advances in instrumental techniques for nanometrical characterization from 7/3/2004 to 8/3/2004
- 2) A perspective on biotechnology from 12/11/2013 to 14/11/2013 at The CEPC-NAIP-ICAR PROJECT CEPCLAB AND TECHNICAL DIVISION, Cashew Bhavan, Kollam-Kerala, India.
- 3) Training programme on molecular markers in fisheries research from 12/9/2013 to 19/2013 at NBFGR Kochi unit, CMFRI campus Kochi-Kerala.
- 4) Training in counselling skills on 4/1/2007 -5/1/2007 at Fatima Mata National College, Kollam
- National workshop on **ADVANCE IN INSTRUMENTAL TECHNIQUES FOR NANOMETRICAL CHARACTERIZATION** on 7th and 8th March 2014 at MG University

- INTERMEDIARY WORKSHOP ON VIRTUAL LAB AND ONLINE LEARNING MANAGEMENT ON 8th march at Amrita Viswa Vidyapeetham University of Amrithapuri on 08/03/2015
- Workshop on Biostatistics at CEPC Kolam from 29/07/2016 to 30/07/2016
- Workshop on Conservation education , the Sahyadri fresh water Biodiversity conservation on 25/11/2016 at SN College Cherthala
- International workshop on Human Chromosome on 9th & 10th January 2018 at university College Thiruvananthapuram
- Orientation programme in documentary making organized by Birds club International on 11/08/2018 at SN College Cherthala
- Well water analysis training at Bishop Moore College Mavelikkara on 06/09/2018

RESEARCH EXPERIENCE

- **Research Fellow** at PG and Research Department of Zoology, Fatima Mata National College under the supervision of Dr. Soosamma Kavumpurath from 1999-2004



T. K. MADHAVA MEMORIAL COLLEGE