



MES ASMABI COLLEGE  
P. VEMBALLUR

# NCIATRI 23 ABSTRACTS 20

Editors

**Ansar E. B., Dhanya P. R., Jisha K. C., Kesavan K.  
Lathif Penath, Mohammed Areej E. M. & Sheena P. A.**



# NCIATRI<sup>2023</sup> ABSTRACTS

Editors:

Ansar E. B., Dhanya P. R.,  
Jisha K. C., Kesavan K., Lathif Penath,  
Mohammed Areej E. M. & Sheena P. A.



**MES ASMABI COLLEGE**  
P. Vemballur, Kodungallur, Kerala, India - 680 671.

Editors:

Dr. Ansar E. B.

Dr. Dhanya P. R.

Dr. Jisha K. C.

Dr. Kesavan K.

Mr. Lathif Penath

Mr. Mohammed Areej E. M.

Dr. Sheena P. A.

© Jisha K. C.

First Edition: May 2023

ISBN: 978-93-5813-509-1

All rights reserved. No part of this publication may be reproduced, stored in or introduced into retrieval system or transmitted, in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior written permission of the publisher. Authors are solely responsible for the contents of the chapters in this volume. The editor has the best effort in the preparation of this book. Errors, if any, are purely unintentional and readers are requested to intimate the errors to the editor to avoid discrepancies in the future.

Published by:

MES Asmabi College, P. Vemballur, Kodungallur, Kerala, India.

PIN: 680671

Price: ₹300/-

Date of publication: 25 May 2023

Design & layout: Aneesh C. S., Maker Design Studio, Mathilakam, Kerala, India.

## ***Preface***

M.E.S. Asmabi College, a premier educational institution managed by the Muslim Educational Society (Regd.) Calicut owes its existence to the remarkable foresight and unremitting zeal of the late Dr. P.K. Abdul Gafoor, the late P.K. Abdulla I.A.S., Dr. M.A. Abdulla and late Dr. A.K. Siddiq Karikulam Azhikode. Started in the year 1968 at P. Vemballur, Kodungallur, a remote coastal backward village in the S.N. Puram Grama Panchayath of Thrissur District with the main objective of uplifting the educationally backward communities of the area who had been denied the right to education for generations. At present the institution provides higher education to about 2500 students in seventeen undergraduate and six post graduate courses. The college was re-accredited by the NAAC with B++ grade in March 2019. National Conference on Interdisciplinary Academic Translational Research and Innovation 2023 (NCIATRI 2023) was held on 7th and 8th February 2023. This conference provided an opportunity for sharing the research experiences of leading academic scientists, researchers and research scholars on all aspects of Interdisciplinary academic Translational Research and Innovation. Different researchers from the field of aquaculture, botany, biochemistry, chemistry, physics, psychology and zoology presented their research works. The book entitled 'NCIATRI 2023 ABSTRACTS' include the abstracts presented in the NCIATRI 2023. This book contain 65 abstracts from various disciplines of science and serve as a quick reference for the various research fields discussed in the national conference.

**Dr. A. Biju**

Principal

MES Asmabi College, P. Vemballur

## Contents

Sl. No.	Title & Authors	Page No.
1	Prospects of Crustacean Culture and Its Economic Value in Ornamental Aquaculture <i>Aditya Iswaran, Selvaraju Raja &amp; Rajeswari S.</i>	1
2	Price Spread of Fishes in Thrissur District <i>Alisha Ashik*, Shijin C. V., Adhilshan, Fathimath suhara P. A., Hyfa P. &amp; Dhanya Pulikkottil Rajan</i>	2
3	Post Monsoon Induced breeding of Ikan koi Kabuto slayer carp, <i>Cyprinus carpio</i> (Cyprinidae) using WOVA FH <i>Alister C. S.*, Ahammed Rashid C. R., Riswana V. N., Hafidha, Muhammed Adhil C. S., Vinitha Vijayan &amp; Kesavan K.</i>	3
4	Prevalence of Antibiotic Resistance Among Environmental Bacterial Isolates from Central Coast of Kerala, South India <i>Aneesa K. R.*, Mujeeb Rahiman K. M., Habeeb rehman H., Fidha Najam, Najma Yousafali &amp; Zubair A. A.</i>	4
5	Comparative Study on Biofloc & Cage Culture System in the Production of Tilapia <i>Anjaly Ratheesh*, Aishwarya K. V., Thanhath T. S., Devapranav, Dilsemariyam &amp; Shibu A. Nair</i>	5
6	Impact of Malathion on the Biochemical Composition of the Freshwater Fish, <i>Oreochromis Mossambicus</i> <i>Chitra K. C. &amp; Sunniya Abdu</i>	6
7	Quantification and Characterization of Microplastics pollution in the Fishing Zone of Singanallur Lake at Coimbatore, Tamil Nadu, India <i>Ephsy K. Davis &amp; Selvaraju Raja</i>	7
8	Isolation and Identification of <i>Vibrio</i> Species from Selected Harbours of Calicut District <i>Fathima Nesrin P.</i>	8
9	Promotion of Aquaculture in Edavilangu Grama Panchayat, Thrissur District, Kerala <i>Fida Rasheed*, Shahul Hameed P. H., Anjana Vinod, Laya T. P., Njanalakshmi P. S. &amp; Shibu A. Nair</i>	9
10	Biogenic Synthesis of Copper Nanoparticles Using Bacterial Strains Isolated from Soil and Yeast: Characterisation and Potential Application as Antimicrobial Agent <i>Hunais Babu E.* &amp; Shaml A. K.</i>	10
11	Comparative Analysis of the Common Marine Fish Species in Tanzania and India <i>Joyce M. R.*, Hassan K. S., Akmala S., Iffath A., Musbiha K. F. &amp; Shibu A. Nair</i>	11

## **Post Monsoon Induced breeding of Ikan koi Kabuto slayer carp, *Cyprinus carpio* (Cyprinidae) using WOVA FH**

Alistar C. S. \*, Ahammed Rashid C. R., Riswana V. N., Hafidha, Muhammed Adhil C. S.,  
Vinitha Vijayan & Kesavan K.

Dept. of Aquaculture, MES Asmabi College, P. Vemballur, Kodungallur, Kerala.

\*Corresponding author: alistersiju@gmail.com

The aim of the present study was to perform induced breeding and to observe the larval development of Ikan Koi Kabuto slayer carp (*Cyprinus carpio*) using WOVA FH. The experiment was carried out in aquaculture facilities set in the department of Aquaculture M E S Asmabi College. Fishes were brought to the laboratory in the third week of January 2023, conditioned for one week in freshwater of appropriate quality. After sexing of mature specimens intramuscular injections of WOVA-FH were administered. The dosage of WOVA-FH applied was 0.5 ml/Kg weight. Spawning occurred after 6-8 Hrs of injection. Ordinary tiles in inverted position were set as egg collectors. Egg count, and fertilisation rate were calculated. Eggs were treated with methylene blue to prevent possible infection. Eggs hatched after 48 hrs. post spawning. Larvae are fed with food developed from a packed starter feed 'colostrum'. The larval growth is observed and recorded.

**KEYWORDS:** *Cyprinus carpio*, Induced Breeding, WOVA- FH, Larval Development.

# NCIATRI 2023 ABSTRACTS

Editors: Ansar E. B., Dhanya P. R., Jisha K. C.,  
Kesavan K., Lathif Penath,  
Mohammed Areej E. M.,  
Sheena P. A.



MES ASMABI COLLEGE  
P. VEMBALLUR

Published by:

## MES Asmabi College

(Govt. Aided, Affiliated to University of Calicut, Recognized by UGC,  
Minority Institution Certified by National Minority Education Commission)

Re-accredited by NAAC with B++ grade

P. Vemballur P.O., Kodungallur, Thrissur Dist., Kerala, Pin - 680 671.

Ph : 0480-2850596

e-mail: [principal.mesasmabi@gmail.com](mailto:principal.mesasmabi@gmail.com)

website: [www.mesasmabicollege.edu.in](http://www.mesasmabicollege.edu.in)



MRP : ₹300/-

ISBN: 978-93-5813-509-1