



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.**



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.

## Contents

Sl. No.	Title & Authors	Page No.
12	Isolation and Identification of <i>Vibrio</i> Species from Selected Beaches of Calicut District <i>Jumaira E. P.</i>	12
13	Breeding Standardization, Conservation & Biological Disease Control Of <i>Etroplus suratensis</i> <i>Muhammed Bin Farooq</i>	13
14	Fish Consumption Pattern in Thrissur District <i>Neely T*. G., Sandra S Nair, Anusree M. P., Gopika K. S., Ruksana, Krishnanand T. D. &amp; Dhanya Pulikkottil Rajan</i>	14
15	Habitat Variation and Diversity of Zooplankton in Ponnani Waterbodies with Special Reference to Water Quality <i>Raseena Thasni C. M.* &amp; Rinshi Balu</i>	15
16	Nutritional Enhancement of Edible Oils Using Crustacean Shell Waste <i>Sayana K. A.* &amp; Sumayya K. S.</i>	16
17	Status of Needle Fish Landing and Length Size Range of <i>Tylosurus acus melanotous</i> From Androth Island Lakshadweep <i>Shahul Hameed P. V. P*. &amp; Ranjeet K.</i>	17
18	Study on Gut Content of Lunar Tailed Big Eye ( <i>Priacanthus hamrur</i> ) <i>Shameem Ayyappankandathil*, Amrutha Sivadas &amp; Kesavan K.</i>	18
19	Chemical & Physical Food Safety Hazards in Aquaculture Farms: A Study in Kodungallur Area in Thrissur District <i>Sreelakshmi T. P.</i>	19
20	Influence of Chilled Storage on the Biochemical, Sensory and Microbial Quality of Frigate Tuna ( <i>Auxis thazard</i> ) Meat. <i>Sugaina Sulaiman M. S.</i>	20
21	Assessment of Mosquito Vector Diversity Across Habitats in the Thiruragadi Municipal Area <i>Sumana P.* &amp; Shameema Kodasseri</i>	21
22	Diversity of Coral Reef Fishes of Amini Island of Lakshadweep Archipelago <i>Thayyiba P.* &amp; Bijoy C</i>	22
23	Growth Performance Study of <i>Anabas Testudineus</i> by Utilization of Prawn Shell Waste as a Potential Fish Feed Ingredient <i>Ujjwala Navas</i>	23
24	Marketing Margin and Price Spread of Ornamental Fishes in Selected Districts in Kerala <i>Vaishna P. U.</i>	24
25	Freshwater Fish Diversity in Bharathapuzha River, Kerala <i>Veena V., Sasikala G. &amp; Selvaraju Raja</i>	25

# Chemical & Physical Food Safety Hazards in Aquaculture Farms: A Study in Kodungallur Area in Thrissur District

Sreelakshmi T. P.

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

Mail id: akshameem26@gmail.com

The project report entitled to "Chemical & Physical food safety hazards in aquaculture farms: a study in Kodungallur area Thrissur district." The main objective of the study is to comparatively analyze farmers experience and expertise with the steps taken in avoiding chemical & physical hazards in farm. It is the process to list down the possible chemical & physical hazards based on the literature. To carry out the survey about possible chemical & physical food safety hazards in aquaculture farm in Kodungallur area. Primary data is collected through survey questionnaires, for this questionnaire will be framed. Altogether 22 farmers were interviewed from the Kodungallur area. Secondary data related to this study were collected from various sources such as government publications, National & International journals, and books from CUSAT library, published and unpublished thesis and related websites.

The various tools used for the study SPSS version 23 & Microsoft excel 2013. Tables and frequency distribution table were used for better understanding. Through the analysis of frequency distribution table, we get an idea about the chemical and physical hazards in the aquaculture farms.

The survey showed that the various responds about the chemical and physical food safety hazards in aquaculture farms in Kodungallur area. From the data in Kodungallur area most of the farmers aware about the chemical and physical food safety hazards. On the other hand, some of them have no idea about this. The study recommends to Use only non-persistent chemicals and set of guidelines for environmentally sound aquaculture practices which can help prevent the indiscriminate use of chemicals.

**KEYWORDS:** Chemical Hazards, Non-persistent Chemicals, Food Safety.

# NCIATRI 23 ABSTRACTS 2023

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 UCC,  
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

website: www.mesasmabicollege.edu.in



MRP : ₹300/-  
ISBN: 978-93-5813-509-1