

AQUAFOCUS

Dedicated to

**Aquaculture
Research &
Development**

English Quarterly Magazine

December 2023

Volume 1 / Issue 4

TABLE OF CONTENTS

Editorial	3
IoT Role in Aquaculture.....	7
Giant Freshwater Prawns.....	13
Exploring EHP in Shrimp Farming	16
Marine Biology – Omics Technologies	21
Copefloc Technology	24
Spot News – FAIT	29

EDITORIAL BOARD

Editor-in-Chief

Dr. Jesu Arockia Raj

Associate Editors

Dr. S. Seetharaman, Dr. M. Dhanaraj & Mr. V. Gopi

International Editorial Board

Dr. Ajith Kumar, Principal Scientist, ICAR-National Bureau of Fish Genetic Resources, India

Dr. Aziz Arshad, Professor, University Putra Malaysia, Malaysia

Dr. Caterina Faggio, Assoc. Professor, University of Messina, Italy

Dr. Dina Zilberg, Professor, Ben-Gurion University of the Negev, Israel

Dr. Fatimah Md Yusoff, Professor, University Putra Malaysia, Malaysia.

Dr. Hari Krishnan Ramasamy, Asst. Professor, Pachaiyappa's College for Men, India

Dr. Ki Choon Choi, Scientist, National Institute of Animal Science, South Korea

Dr. Mariadhas Valan Arasu, Assoc. Professor, King Saud University, Saudi Arabia

Dr. Marina Paolucci, Professor, University of Sannio, Italy

Dr. Mohsen Abde-Tawwab Ibrahim, Professor, Zagazig University, Egypt

Dr. Preetham Elumalai, Asso. Professor, Cochin University of Science and Technology, India

Dr. Vinu Siva, General Manager, Amazing Biotech Pvt. Ltd., Tamil Nadu, India

Disclaimer

The magazine is devoted solely for disseminating and reflecting technical research based news and views for the benefit of all relevant readers and does not promote any special personal, cultural or social aspects has any kind of affiliations. All opinions, views and articles published in the magazine are those of the respective authors & contributors, and do not reflect those of the publisher/editors. The magazine is published as an educational service Best-Effort basis. The publisher & editors do not assume liability for any errors or omissions in any content or printing.



(Dr. Jesu Arockiaraj, highly acclaimed Eminent Scientist with Stanford University World Ranking in Top 2%. Has also received many Awards including Young Scientist Award by Government of India and Government of Tamilnadu)

Greetings!

As we embark on another intriguing journey into aquaculture's thriving and dynamic world, I am pleased to welcome you to the current edition of Auqafocus. I am honored to serve as the Editor-in-Chief of this prestigious magazine, and I am excited to bring you the latest advances, insights, and trends in the ever-changing aquaculture business.

Auqafocus evolves in tandem with the aquaculture landscape. To satisfy the demands of this dynamic area, we are constantly enhancing and increasing our coverage. We aim to cultivate a community of knowledgeable professionals committed to our aquatic health and sustainable production. We intend everyone to engage with us, offer your perspectives, and participate in this exciting adventure.

Aquaculture is a major industry critical in delivering sustainable fish to the world's rising population. The difficulties and potential in this industry are limitless, and Auqafocus is dedicated to serving as your trusted source for in-depth research and up-to-date information.

In this edition, we are thrilled to bring you a diverse array of articles that dive deep into the transformative world of aquaculture. From ground breaking technology to sustainable alternatives, we explore the trends and innovations shaping the industry's future. The role of IoT in enhancing water quality and nutrition, the rise of giant freshwater prawns, and solutions for shrimp health are just a few of the topics we cover. We also highlight the need for cutting-edge technology in marine biology and the promise of copefloc technology in sustainable aquaculture.

We're here to keep you informed and inspired as we cultivate a sustainable future together. Happy reading!

Regards,

Jesu Arockia Raj A

Editor-in-Chief,
AQUAFOCUS