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EDITOR'S LETTER

Dear Readers,

It gives me great pleasure to welcome you to this special edition of AQUAFOCUS, where science meets sustainability in redefining the future of aquaculture. This issue captures the transformative intersection of biotechnology, marine resources, and food innovation that are driving a new wave of progress from lab to lagoon.

We begin with "Biomanufacturing of Aquaculture Enzymes," a feature exploring how enzyme innovation is enhancing digestion, nutrient absorption, and pond health reshaping feed efficiency and profitability. The biotechnology thread continues in "Revolutionizing Larval Nutrition: Biotechnology in Aquaculture Live Feed," which highlights the breakthroughs turning microalgae, probiotics, and precision nutrition into key tools for hatchery success.

The article *When the sea follows the sky: Lunar Illumination and Spawning Cycles in fish* reminds us that aquaculture and fisheries science are not just about productivity but about understanding and respecting the natural rhythms that sustain aquatic life. Meanwhile, "From Shore to Plate: Why Domestic Seafood Consumption Matters More Than Ever" makes a compelling case for strengthening local seafood value chains and empowering coastal livelihoods through consumer awareness and policy support.

We also explore the blue-green revolution in "Spirulina as a Food Source," presenting how this microalga continues to bridge human nutrition, wellness, and sustainability. Finally, our cover story "The Science of Formulated Feed is Unlocking a Profitable and Sustainable Blue Future for Tamil Nadu's Aquaculture" delves into regional innovation, showcasing how feed technology and biotech integration are propelling Tamil Nadu to the forefront of India's blue economy.

Each story in this issue reflects a shared vision to merge innovation with ecological balance, to empower farmers with knowledge, and to shape an aquaculture future that is profitable, inclusive, and sustainable.

With Regards,

Dr. Jesu Arockia Raj. A

Editor-in-Chief

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