

"Innovation, Integration and Profitability in Tilapia Aquaculture: Modernisation for a New Era"

5th INFOFISH WORLD TILAPIA TRADE AND TECHNICAL CONFERENCE & EXHIBITION 2025

In collaboration with

13th International Symposium on Tilapia in Aquaculture (ISTA13)



3 - 5 NOVEMBER 2025

SWISSOTEL BANGKOK RATCHADA, Thailand

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TILAPIA 2025: Call for Abstracts

The 13th International Symposium on Tilapia in Aquaculture (ISTA13) in collaboration with the 5th INFOFISH WORLD TILAPIA TRADE AND TECHNICAL CONFERENCE & EXHIBITION 2025 (TILAPIA 2025) calls for the submission of abstracts for papers to be included in the proceedings to be published on the eve of the event. The Conference, themed *"Innovation, Integration and Profitability in Tilapia Aquaculture: Modernisation for a New Era"*, will be held at the Swissotel Hotel Ratchada, Bangkok, 3-5 November 2025.

TILAPIA 2025 will present updates on the status of tilapia production by the major global and regional players; as well as the issues, challenges and outlook of the top producing nations. The Conference will also deliver consolidated information on emerging markets and innovative technological developments along the value and supply chains, including vertical integration, innovations and profitability in commercial tilapia farming, genetics and reproduction, nutrition and feed technology, biosecurity and health management. It will also discuss standards and certifications, wellbeing of tilapia, policies related to investment and partnerships, value-addition and market diversification, and consumer awareness as per local and international market demand, which

might be useful for key industry stakeholders and decision-makers to position and rebrand the commercial tilapia industry while formulating recommendations for new era challenges.

TILAPIA 2025 will also connect producers, processors and distributors from the tilapia industry around the globe, as well as associations and organisations, traders, feed millers, nutritionists, investors and development partners, competent authorities, researchers, NGOs/IGOs, media, equipment suppliers and startups etc. Meanwhile, the international Trade Exhibition and other sponsored events will showcase innovations and technological developments along the supply and value chains related to genetics, farming practices, feed & nutrition, RTC and RTE products, cutting-edge equipment and supplies, advanced processing and packing techniques etc. In addition, a post-Conference farm visit will be organised to gather knowledge and updated information on the local tilapia industry.

Submit your abstract here: <https://forms.gle/3aUzVRXvxcSh3RHs9>
More information regarding abstract submission guidelines, registration and program details, and sponsorship package is available [here](#).



5th INFOFISH World Tilapia Trade and Technical Conference & Exhibition 2025 (TILAPIA 2025)

3-5 November 2025

Swissotel Hotel Ratchada, Bangkok, Thailand

In Collaboration with the 13th International Symposium on Tilapia in Aquaculture (ISTA13)

“Innovation, Integration and Profitability in Tilapia Aquaculture: Modernisation for a New Era”

Conference Chair:

Dr Kevin Fitzsimmons, Director for International Initiatives and Professor, Department of Environmental Science, University of Arizona, USA

Tentative Programme

Sunday, 2 November 2025

15:00 – 20:00 Pre-registration (on-site)

DAY 1: Monday, 3 November 2025

7:30 – 8:30 Registration (on-site)

8:30 – 10:00 Opening Ceremony

10:00 – 10:30 Group Photo/Opening of Trade Fair/Poster Viewing

Press Conference

Refreshment Break

10:30 – 11:00 ***Keynote Address entitled “Innovation, Integration and Profitability in Tilapia Aquaculture: Modernisation for a New Era” by Professor Dr Kevin Fitzsimmons, Chairperson of TILAPIA 2025***

Session 1: Global and Regional Overview of Major Tilapia Producing Regions and Markets (Plenary Session)

11:00 – 11:15 Global and Regional Overview of Major Tilapia Producing Regions and Markets

Regional Overviews (Panel Discussions)

11:15 – 11.40 1.1 – Africa

Tilapia Farming in Africa: Sustainability, Marketability and Food Security
(Panel discussion focusing on tilapia production and markets in Africa, with emphasis on the largest producer in the continent, Egypt)

11:40 – 11.50 Q & A (10 minutes)

11.50 – 13.00 Lunch Break

13:00 – 14:15 1.2 – Asia

Emerging Tilapia Producers and Exporters in South and Southeast Asia
(Panel discussion on tilapia production and markets in Asia, focusing on Bangladesh, China, Indonesia, Malaysia, Philippines, Thailand and Vietnam as major players in the region)

14:15 – 14:35 Q & A (20 minutes)

14:35 –15:10

1.3 – Latin America and the Caribbean

The Global Epicentre for Sustainable Tilapia Fresh Fillet Production and Export

(Panel discussion on tilapia production and markets in Latin America and the Caribbean, including Brazil and Colombia as major players in this region)

15:10 –15:20

Q & A (10 minutes)

15:20 – 15:35

Refreshment Break

15:35 –15:50

1.4 – Middle East

Tilapia Farming in Drought and Water-Scarce Regions

(Panel discussion on sustainable tilapia production in arid environments of the Middle East region)

15:50 –16:00

Q & A (10 minutes)

16:00 –16:15

1.5 – Oceania

Expanding Sustainable Tilapia Production in the Pacific: Moving Forward Together

(Panel discussion focusing on expansion of sustainable tilapia farming, strengthening livelihoods and meeting food security needs in the Pacific Islands region)

16:15 – 16:25

Q & A (10 minutes)

16:25 – 16:40

1.6 – Europe

Tilapia vs Other Whitefish in European Markets

(Panel discussion on the potential for growth in European markets, where tilapia faces competition from pangasius and established whitefish such as seabass)

16:40 – 16:50

Q & A (10 minutes)

17:00 – 18:30

Sponsored Session

DAY 2: Tuesday, 4 November 2025

Session 2: Developments in Tilapia Genetics and Reproduction

9:00 – 9:15

Advancements in Climate-Resilient, Disease-Resistant and Fast-Growing Tilapia Strains

9:15 – 9:30

Suitability and Cost-Effectiveness of YY Male and Other Sex Reversal Technologies

9:30 – 9:45

Implementation of Innovations in Tilapia Aquaculture: Pedigree-Based Selection to Genomics

9:45 – 10:00

CRISPR-Cas9 Technology as a Novel Trait in Tilapia

10:00 – 10:20

Q & A (20 minutes)

10:20 – 10:40

Refreshment Break

Session 3: Innovative and Integrative Tilapia Production Technologies

10:40 – 11:35

Keynote Presentation on **Technological Innovations: Efficient and Profitable Tilapia Farming**

(This presentation explores advanced and scalable tilapia farming practices worldwide, emphasising the adoption of innovative and integrative high-tech, and profitable tilapia aquaculture systems. It also highlights sustainable farming systems such as IMTA, IPRS and Bio-RAS which are aimed at maximising resource use, reducing waste and enhancing ecological balance)

11:35 – 11:55

Q & A (20 minutes)

11:55 – 13:00

Lunch Break

Session 4: Biosecurity and Health Management

- 13:00 – 13:15 Tilapia Health Considerations Amidst Climate Change
- 13:15 – 13:30 Microbial Management of Bacterial Diseases in Larger Facilities
- 13:30 – 13:45 Prevention and Control of Major Viral Diseases in Asia-Pacific Tilapia Farms
- 13:45 – 14:00 Latest Developments in Tilapia Vaccines
- 14:00 – 14:20 Q & A (20 minutes)
- 14:20 – 14:35 Refreshment Break

Session 5: Advancing Tilapia Nutrition and Feed Technology (Panel Discussion)

- 14:35 – 15:25 Keynote Presentation on **Advances in Alternative Feed Ingredients and Nutritional Supplements**
(This presentation examines the ongoing shift toward utilising sustainable and functional feed ingredients in tilapia aquaculture, evaluating their impact on growth performance, feed efficiency and product quality. It also emphasizes the importance of diversifying feed ingredients to reduce reliance on traditional fishmeal while maintaining or enhancing tilapia health performance, and gaining better fillet quality)
- 15:25 – 15:45 Q & A (20 minutes)
- 15:45 – 17:00 Sponsored Session**
- 15:45 – 17:00 Meet the Authors and Book Signing
- 17:00 – 17:20 Tilapia International Foundation – Presentation of Monsignor Heine Award

DAY 3: Wednesday, 5 November 2025

Session 6: Value-Addition and Market Diversification

(This session focuses on strategies to enhance the economic value of tilapia through product innovation and market expansion. Panelists will also discuss how value-added products and diversified market strategies can unlock new revenue streams, enhance competitiveness, boost consumer awareness and ensure sustainable growth along the tilapia value chains.)

- 9:00 – 9:15 Processing Tilapia for International Markets
- 9:15 – 9:30 Value-Addition of Tilapia-based Products Targeting Domestic Markets
- 9:30 – 9:45 Expanding Consumer Demand for Convenient and Healthy Value-Added Products
- 9:45 – 10:00 Utilisation and Processing of Tilapia By-Products and Co-Products
- 10:00 – 10:20 Q & A (20 minutes)
- 10:20 – 10:35 Refreshment Break

Session 7: Collaboration and Partnership (Panel Discussion)

- 10:35 – 11:25 Keynote Presentation: **Collaboration and Partnerships in Tilapia Farming**

(Moderated by FutureFish, this session will explore the power of collaboration across generations, sectors, and regions to drive sustainable growth, market expansion, and social impact in tilapia aquaculture. Together, these initiatives demonstrate how multi-stakeholder collaboration from youth and media to global organisations can amplify impact and create a resilient and inclusive tilapia sector)

11:25 – 11:40 Q & A (20 minutes)

11:40 – 13:00 Lunch Break

Session 8: Strengthening Investments and Funding

13:00 – 13:15 Strengthening Investments and Funding for More Efficient and Profitable Tilapia Production

13:15 – 13:30 Investment and Transformation of Tilapia Downstream Industries

13:30 – 13:45 Operational and Investment Challenges Faced by Commercial Tilapia Farmers

13:45 – 14:00 Navigating Responsible Growth in the Tilapia Sector to Overcome New Era Challenges

14:00 – 14:20 Q & A (20 minutes)

14:20 – 14:35 Refreshment Break

Session 9: Certification, Fish Welfare and Sustainability (Panel Discussion)

14:35 – 14:45 Keynote Presentation: **Harnessing Competitiveness and Positive Change in the Tilapia Industry**
(This session highlights how certification and welfare-oriented practices are driving sustainability and profitability in the tilapia industry. The case studies presented will reinforce the “Happy Fish, Higher Profit” message, i.e. that healthier fish lead to better growth, lower mortality, and ultimately, higher profits. Certification acts not just as a compliance tool, but as a pathway to sustainability, competitiveness, and long-term value in tilapia farming)

15:15 – 15:35 Q & A (20 minutes)

Wrap up and Closing Remarks

15:35 – 15:45 Wrap up, Conclusions and Recommendations – Prof. Dr. Kevin Fitzsimmons

15:45 – 15:55 Closing Remarks – Gemma Meermans Matainaho, Acting Director, INFOFISH

Thursday, 6 November 2025: Tilapia Farm Visit (Separate Registration Required)

Sponsored Session: Day 1

- Session on the Formation of a Southeast Asian Regional Tilapia Association (SEATA)
- Refreshments

Sponsored Session: Day 2

- Meet the Authors and Book Signing
- Tilapia International Foundation – Presentation of Monsignor Heine Award