



IPB University  
Bogor Indonesia

Faculty of Fisheries  
and Marine Sciences



Inter University Center for Excellence  
FOOD SECURITY

# THE 11<sup>TH</sup> EAFTA

## INTERNATIONAL SYMPOSIUM OF EAST ASIA FISHERIES AND TECHNOLOGIST ASSOCIATION

*"Harmony in Blue Frontiers: Advancing the Sustainability, Efficiency, and Resiliency of Aquatic Product Safety, Processing, and Biotechnology"*

### SUBTOPICS

- Aquatic Product Safety
- Efficient Processing Technologies
- Marine Biotechnology
- Marine Bioprospecting
- Marine Biomaterial
- Supply Chain Management
- Aquatic Food Technology and Processing
- Enhancing Aquatic Product Quality
- Integrated Approaches to Aquatic Sustainability
- Waste Reduction in Aquatic Product Processing
- Blue Biotechnology Applications
- Functional Food
- Risk Assessment and Management
- Traceability in Seafood Supply Chains
- Improving Seafood Food Safety and Quality Assurance
- Aquatic Food Handling and Storage
- Traceability in Seafood Supply Chains
- Aquatic Food Nutrition
- Aquatic Food Engineering and Technology
- Aquatic Product Industry
- Cold Chain Management
- Consumer Acceptance and Market Trends on Seafood/Aquatic Product
- Another related topic/field

### SPEAKERS



**Dr. Vivi Yulaswati, M.Sc.**  
Deputy for Maritime Affairs and Natural Resources and National (BAPPENAS), Indonesia



**Prof. Shugo Watabe**  
Kitasato University - School of Marine Bioscience, Japan



**Prof. Soottawat Benjakul**  
International Center of Excellence in Seafood Science and Innovation - Prince of Songkla University (ICESSI-PSU)



**Rajendra Aryal**  
Country Director for Indonesia and Timor Leste; Liaison Official for ASEAN, Food and Agriculture Organization (FAO)



**Colette Wabnitz, P.hD**  
Stanford Center for Ocean Solutions



**Prof. Hui Hong**  
China Agricultural University



**Prof. Dr. Mala Nurilmala, S.PI., M.Si**  
Faculty of Fisheries and Marine Science, IPB University



**Sri Rusmianawati**  
Director of Processing Plant PT AquaFarm Nusantara (Regal Springs Indonesia)

### WELCOME SPEECH



**Prof. Dr. Arif Satria, SP, MSi**  
Rector of IPB University



**Prof. Dr. Ir. Fredinan Yulianda, M.Sc.**  
Dean of Faculty of Fisheries and Marine Science, IPB University

SEPTEMBER 3<sup>RD</sup> - 5<sup>TH</sup>, 2024

IPB INTERNATIONAL CONVENTION CENTER  
BOGOR, INDONESIA

### CALL FOR ABSTRACT

#### EXTENDED

July 29 <sup>th</sup> , 2024	August 5 <sup>th</sup> , 2024	August 7 <sup>th</sup> , 2024	August 16 <sup>th</sup> , 2024	Sep 3 <sup>rd</sup> - 5 <sup>th</sup> , 2024
Abstract Submission Deadline	Full Paper Submission Deadline	Final Registration for Early Bird Payment	Final Registration for Normal Payment	Symposium

Category	Early payment (IDR)	Early payment (USD)	Normal payment (IDR)	Normal payment (USD)
Payment with publication	2,900,000	130	3,500,000	221
Participant presentation only (without publication)	850,000	53	1,000,000	63
Student participant - presentation (with publication)	1,200,000	74	1,400,000	87
Student participant - presentation only (without publication)	425,000	27	600,000	38
Participant only	325,000	20	450,000	28

### AWARDS FOR BEST PRESENTER

Publication: **BIO** Web of Conferences **edp** sciences  
Indexed in scopus

In collaboration with:



THP

Department of Aquatic Product Technology  
Faculty of Fisheries and Marine Sciences



📞 Dr. Eng. Wahyu Ramadhan (+62 856-5656-1717)

📞 Purnama Arafah, S.Pi, M.Agr.Sc (+62 852-6985-2652)

✉️ [fishtech.hub@apps.ipb.ac.id](mailto:fishtech.hub@apps.ipb.ac.id)

## **The 11<sup>th</sup> International Symposium of East Asia Fisheries and Technologist Association (EAFTA)**

Welcome to the **11th International Symposium of the East Asia Fisheries and Technologist Association (EAFTA) 2024**. This prestigious event is hosted by the Faculty of Fisheries and Marine Science at IPB University, in collaboration with the **Inter-University Center for Excellence in Food Security** and the **Aquatic Product Technology Student Association**.

It is an honor to welcome all of you to this significant gathering, which spans three days. This symposium offers an exceptional platform for us to share cutting-edge research in fisheries technology and marine sciences, enhance our collective knowledge, and foster collaboration among experts from across the globe.

We are delighted to have **85 participants** from Japan, China, Thailand, Canada, Vietnam, Malaysia, Zanzibar, and Indonesia, who have all undergone a rigorous abstract review process. Each of you will have the opportunity to present your research at the first day of the symposium, contributing to the rich exchange of knowledge that this symposium is known for.

In addition to the individual research presentations, we are excited to host a **Special EAFTA Forum on K-Value** in the second day of the symposium. This forum will provide an in-depth exploration of the subject, offering valuable insights and fostering dynamic discussions.

Furthermore, we will also be convening **The Higher Meeting of Fisheries Product Technology Program**, a crucial gathering for advancing our collective efforts in fisheries product technology. This meeting will serve as a platform for strategic discussions and planning, aimed at driving innovation and excellence in our field.

We are pleased to inform you that on the final day, we have organized an **excursion around the city of Bogor**. This excursion will take us from the IPB Darmaga Campus through the charming streets of Bogor, ending with a visit to the famous **Bogor Botanical Gardens**. It will be a wonderful opportunity to explore the city, enjoy its natural beauty, and experience the rich culture and history of Bogor.

We would like to extend our sincere gratitude to the organizing committee for their dedication and hard work in bringing this event to life.

We wish you all a productive and inspiring time here in Bogor, and we hope that your experience at this symposium will be both enriching and memorable.

**Thank you and good luck.**

**Best Regards**

**The 11<sup>th</sup> International Symposium of East Asia Fisheries and Technologist Association (EAFTA) Organizing Committee**

<https://fpik.ipb.ac.id/eafta11/>

# THE 11<sup>th</sup> INTERNATIONAL SYMPOSIUM OF EAST ASIA FISHERIES AND TECHNOLOGIST ASSOCIATION (EAFTA) COMMITTEE

Position	Name
Director	Prof. Dr. Ir. Fredinan Yulianda, M.Sc.
Chairman	Prof Dr Mala Nurilmala, S.Pi, M.Si
Vice Chairman 1	Dr. Eng. Wahyu Ramadhan, S.Pi, M.Si.
Vice Chairman 2	Roni Nugraha, SSI, MSc, PhD
Secretary	Dr.rer.nat. Kustiariyah, S.Pi., M.Si.
Secretary Team	Cahyuning Isnaini, M.Sc Ismi Isti'anah, M.Si Erika Wahyu D., M.Sc Husnul K Ramli, M.Tr.Pi Nadia Latifah Widiana Zalfa Qurratu Aini
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Program	Dr.rer.nat. Asadatun Abdullah, S.Pi., M.S.M., M.Si. Purnama Arafah, M.Agr.Sc Rizsa Mustika Pertiwi, M.Si Saeful Bahri, S.Si Adelia Nurkhodija Gansuar Sepri

Position	Name
Editorial Board and Scientific Committee (Prosiding - Abstract dan Paper)	<ul style="list-style-type: none"> <li>● Prof. Dr. Ir. Joko Santoso, M.Si. (Chief Editor)</li> <li>● Prof. Dr. Ir. Nurjanah, MS</li> <li>● Prof Dr Tati Nurhayati S.Pi M.Si</li> <li>● Prof. Dr. Eng. Uju, S.Pi., M.Si.</li> <li>● Dr. Ir. Bustami Ibrahim, M. Sc</li> <li>● Prof. Dr. Sugeng Heri Suseno S.Pi., M.Si.</li> <li>● Prof. Dr. Ir. Sri Purwaningsih, M.Si.</li> <li>● Dr. Ir. Wini Trilaksani, M.Sc.</li> <li>● Prof. Dr. Ir. Iriani Setyaningsih, MS.</li> <li>● Dr. Desniar, S.Pi, M.Si.</li> </ul>
EAFTA Academic Advisor Committee	<ul style="list-style-type: none"> <li>● Shugo Watabe (Kitasato University, Japan)</li> <li>● Kunihiko Konno (Iwate University, Japan)</li> <li>● Masahide Kaeriyama (Hokkaido University, Japan)</li> <li>● Noriyuki Tanaka (Iwate University, Japan)</li> <li>● Chunhong Yuan, Iwate University (Agri-Innovation center), Japan</li> <li>● Yoshihiro Ochiai (Tohoku University, Japan)</li> <li>● Yaqin Hu (Hainan Tropical Ocean University, China)</li> <li>● Youling Xiong (Kentucky University, USA)</li> <li>● Thi My Hanh Tran (Nha Trang University, Vietnam)</li> <li>● Song Miao (Teagasc Food Research Centre, Ireland)</li> </ul>

# Event Briefing

The 11<sup>th</sup> International Symposium of East Asia Fisheries and Technologist Association (EAFTA) is an international event held annually on an Asian scale and this year, Indonesia will serve as the main host. The 10th EAFTA was successfully held in Japan, and this year's event will take place on September 3-5, 2024. The 11th EAFTA in Indonesia is expected to contribute to research in the development of fisheries and technology in Indonesia, aligning with its role as a leading fisheries and maritime nation, and to make significant contributions to the processing technology sector in supporting society and government in realizing the SDGs agenda. Furthermore, it is anticipated to accelerate IPB University's achievement of becoming a world-class university by organizing international conferences and producing publications indexed by Scopus and Web of Science. With the presence of international speakers and participants from several countries, this event aims to enhance the knowledge of fisheries and marine stakeholders and boost IPB University's reputation in hosting international conferences, solidifying its position as a leading actor in advancing fisheries technology in the Asian region.

The first EAFTA seminar was held in Hokkaido in 2013, followed by events in China, Thailand, Korea, Tokyo, Japan, Vietnam and in 2019, Indonesia hosted the 7th EAFTA. The Faculty of Fisheries and Marine Sciences (FPIK) has also organized various international seminars through EMBRIO and other international activities. Based on the experience of organizing international conferences, this event is expected to attract students, researchers, and practitioners both nationally and internationally, with numerous oral paper presentations from various countries. In 2019, more than 30 articles affiliated with IPB University were published by IOP Publishers.

This year's event, scheduled for September 3-5, 2024, will feature four keynote speakers from China, Japan, and Thailand, along with various invited speakers from other countries. The estimated budget for this conference is IDR 250,000,000.

We hope that this international conference will provide substantial benefits for the community, researchers, practitioners, lecturers, students, and IPB University as a whole.

# Overview the Conference Program

## Background

In 2013, the East Asia Fisheries Technologists Association (EAFTA) emerged within the Asian fisheries community as a central platform for collaboration, innovation, and knowledge exchange in marine science. Since its establishment, EAFTA has been committed to influencing and impacting fisheries science and technology internationally. The significance of this initiative spans the scientific realm, higher education, and key topics in fisheries food processing, such as food safety and technology. As a maritime nation, Indonesia is inevitably a major player in the global blue economy discussion, as well as in the 'blue food' sector, a term that refers to marine and aquatic resources with great potential to feed and support the global population. Considering the crucial issue of food security in Indonesia, it becomes clear that the sustainable management and responsible utilization of these “blue food” resources is of paramount importance.

The association's commitment to advancing scientific collaboration and broadening the understanding of fisheries science has been emphasized through the organization of its annual symposium, a pivotal moment in its history. The symposium serves as a vital forum for information exchange, an opportunity to disseminate the latest research findings, and a meeting place for scientists and technologists from Asian countries to coordinate their collaborative efforts.

Since its inception, the annual EAFTA symposium has played an important role in knowledge dissemination, demonstrating the commitment and enthusiasm of the Asian fisheries community. The symposium is crucial for bringing together researchers, academics, and practitioners, providing a platform where fisheries and marine science from a technological perspective are recognized as vital scientific disciplines, especially in addressing food security issues faced by maritime countries like Indonesia.

This symposium was initiated to provide an open forum for the introduction, discussion, and review of the current status of scientific achievements and innovative technologies in cross-disciplinary areas of fisheries processing, such as Seafood Technology, Food Processing and Utilization of Marine Resources, Biofunctional Compounds in Marine Resources, Food Safety and Hygiene, Seafood Nutrition, as well as seafood allergens and seafood authenticity, which have become hot topics in recent years.

The history of the EAFTA symposium is as follows:

- 1) The 1<sup>st</sup> EAFTA Symposium (2013): Held at Hokkaido University in Hakodate, Japan, in November 2013.
- 2) The 2<sup>nd</sup> EAFTA Symposium (2014): Took place at Shanghai Ocean University in Shanghai, China.
- 3) The 3<sup>rd</sup> EAFTA Symposium (2015): Held in Bangkok, Thailand, and hosted by Kasetsart University.
- 4) The 4<sup>th</sup> EAFTA Symposium (2016): Organized in Busan, Korea, in 2016, as part of the 7th World Fisheries Congress.
- 5) The 5<sup>th</sup> EAFTA Symposium (2017): Hosted by Tokyo University of Marine Science and Technology in Tokyo, Japan, in 2017, as part of the International Symposium "Fisheries Science for Future Generation."

- 6) The 6<sup>th</sup> EAFTA Symposium (2018): Held in Hangzhou, China, in 2018, and hosted by Zhejiang University.
- 7) The 7<sup>th</sup> EAFTA Symposium (2019): Took place in Bogor, Indonesia, with IPB University serving as the host.
- 8) The 8<sup>th</sup> EAFTA Symposium (2021): Conducted online in 2021, with Hainan Tropical Ocean University in Sanya, China, as the organizing institution.
- 9) The 9<sup>th</sup> EAFTA Symposium (2022): Nha Trang University, Vietnam, hosted the symposium as a session of The 10th International Fisheries Symposium and ASEAN Fisheries Education Network.
- 10) The 10<sup>th</sup> EAFTA Symposium (2023): Held in May 2023 at Iwate University, Japan, marking the latest chapter in the ongoing pursuit of excellence in seafood science.

The symposiums that have been held serve as a continuous forum for advancing research and facilitating researcher exchange, providing valuable insights into discoveries, collaborations, and innovations in the fields of fisheries and processing technology.

The food safety challenges in Indonesia, which are closely linked to the concept of “blue food,” underscore the crucial importance of these symposiums. EAFTA's unwavering commitment to scientific advancement continues to illuminate the path for fisheries science in the Southeast Asian region, furthering our shared mission to secure food for the future through responsible, sustainable, and innovative fisheries practices.

### **Objectives**

Specifically, the 11<sup>th</sup> EAFTA Forum aims to:

1. Provide a forum for lecturers, students, researchers, and practitioners in the field of Fisheries Technology to meet and discuss the latest research findings and fish processing practices.
2. Present the latest approaches, methodologies, tools, scientific advances, and technological developments in the field of Fisheries Technology in response to global trends.
3. Enhance participants' understanding of local, regional, and global issues faced by Fisheries Technologists and how researchers and practitioners are providing appropriate solutions to these problems.
4. Establish cooperation and networking among lecturers, students, and researchers from different countries;
5. Publish the work of lecturers, students, and researchers in journals indexed in reputable databases such as Scopus and Web of Science (Thomson Reuters).
6. Increase the international reputation of Indonesian lecturers, students, researchers, and IPB University in scientific meeting forums;
7. Contribute to addressing the challenges of sustainable development as outlined in the 2030 SDGs agenda.

## **Sub-Themes/Topics**

1. Aquatic Product Safety
2. Efficient Processing Technologies
3. Biotechnology
4. Marine Bioprospecting
5. Supply Chain Management
6. Food Technology and Processing
7. Enhancing Aquatic Product Quality
8. Integrated Approaches to Aquatic Sustainability
9. Waste Reduction in Aquatic Product Processing
10. Blue Biotechnology Applications
11. Functional Food
12. Risk Assessment and Management
13. Traceability in Seafood Supply Chains
14. Improving Food Safety and Quality Assurance
15. Food Handling and Storage
16. Traceability in Seafood Supply Chains
17. Food Nutrition
18. Cold Chain Management
19. Food loss & Food behavior
20. Consumer Acceptance and Market Trends