

The Impact of Climate Change on Shrimp Health and Aquaculture

Symposium Details

Date & Time: December 3, 2025 (Wed) 13:00 - 16:30 (JST)

Venue: Room 200A, Building 2, Shinagawa Campus, Tokyo University of Marine Science and Technology

Target Audience: Researchers, Students, Fisheries Industry Stakeholders, and the General Public

Admission: Free

Registration: No prior registration required

Opening Remarks

This symposium focuses on the pressing issue of how climate change impacts shrimp health and the aquaculture industry. As global warming progresses, what must we do to ensure the sustainability of aquaculture production and protect our vulnerable marine ecosystems?

By inviting experts from both Japan and abroad, we aim to deepen the discussion on cutting-edge research findings and practical countermeasures. Our goal is to promote international cooperation towards sustainable aquaculture and sound fisheries resource management.



Development of diagnostic and therapeutics for the shrimp aquaculture industry

Mary Beth B. Maningas, Ph.D.

Department of Biological Sciences

University of Santo Tomas, Philippines



Heat Stress and Shrimp Immunity

Kunlaya Somboonwiwat, Ph.D.

Department of Biochemistry,

Chulalongkorn University, Thailand



Bridging Lab and Field: Mathematical Modeling of Mechanisms to Inform Aquaculture Disease Management

Ryosuke Omori, Ph.D.

International Institute for Zoonosis Control,

Hokkaido University, Japan

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- JST e-ASIA SICORP Project "Development of Diagnostics and Therapeutics to Mitigate the Impacts of Climate Change on Shrimp Health and Growth Dynamics"
- TUMSAT Top-Down Project "Development of Efficient Technologies for Aquaculture and Fisheries Resource Management under the Climate Change"

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