

2026 IDEC Special seminar

Ensuring the Safety and Quality of drinking Water

2026 **6/29** 11:00 ▶ 12:00
Monday Language: English

Hiroshima University, Graduate
School of Advanced Science of
Matter Build A, 6F Seminar
room601-(2)



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Presenter

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Abstract

Access to safe drinking water remains a critical universal demand and a cornerstone of global public health. In countries like Japan, where advanced infrastructure ensures that tap water is readily drinkable directly from the faucet, public expectations have progressively evolved. Today, consumers extend their demands beyond basic safety to encompass "comfort," which includes the absence of unpleasant odors, and overall aesthetic quality.

Accordingly, this seminar focuses on comprehensive initiatives aimed at ensuring both the absolute safety and sensory comfort of drinking water, specifically from a microbiological perspective.

The seminar will showcase a wide range of recent survey results and research findings regarding emerging pathogenic microorganisms. Furthermore, it will address urgent modern challenges, such as strategies for adapting drinking water systems to the increasing impacts of climate change, which significantly alter raw water quality and challenge traditional treatment methods.

To provide a truly comprehensive overview of the field, the seminar integrates diverse and multi-disciplinary viewpoints. It features academic research from universities alongside practical, environmental investigations conducted by national institutes. By bridging these varying sectors, this session aims to foster dynamic discussions on how future researchers can actively engage with, innovate, and contribute to the sustainability of the water sector.

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