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## AOAC virtual work session on pesticide residue analysis in herbs and spices

The project was first introduced at AOAC SEA's 2<sup>nd</sup> Annual Conference



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Extracted from 2023 AOAC virtual work session on pesticides



# AOAC project on pesticide multiresidue analysis in herbs and spices

At the virtual workshop on 2 Nov 2023, Experts shared important factors to consider while establishing a scope for a future standardized analytical method on pesticide residues in herbs and spices. To support international trade, the project will focus on pesticides banned in other parts of the world while still in use in the SEA region and developing countries. A survey among stakeholders from different sectors indicated a priority for analyzing organophosphates, glyphosate, carbamates, and ethylene oxide. Based on the top traded

commodities in Asia, proposed representative matrices are black pepper (*Piper nigrum*), Paprika & Chilies (*Capsicum annuum*), Turmeric & Ginger (*Curcuma longa* & *Zingiber officinale*), Garlic & Onion, and Vanilla.

This project aims to develop and validate a multiresidue analysis method for simple, simultaneous, sensitive and rapid determination of pesticide residues in herbs and spices.

We look forward to working with a wide range of stakeholders including regulators, industry, contract research organizations, private laboratories – all who have a stake in the future of official methods for pesticide residue analysis in herbs and spices. With your support, we will start creating a globally recognized and standardized AOAC Official Method that supports a harmonized approach in the region and beyond.

If you would like volunteer for the Working Group, please write to [method.harmonization@aoac-sea.org](mailto:method.harmonization@aoac-sea.org). For funding and collaborative opportunities, please email us at [president.chair@aoac-sea.org](mailto:president.chair@aoac-sea.org).

Contact the working  
group

### ***Network support***



 **November 28-29, 2023**

 **Hanoi, Vietnam**

## **FOOD CROP PLANT PROTECTION**

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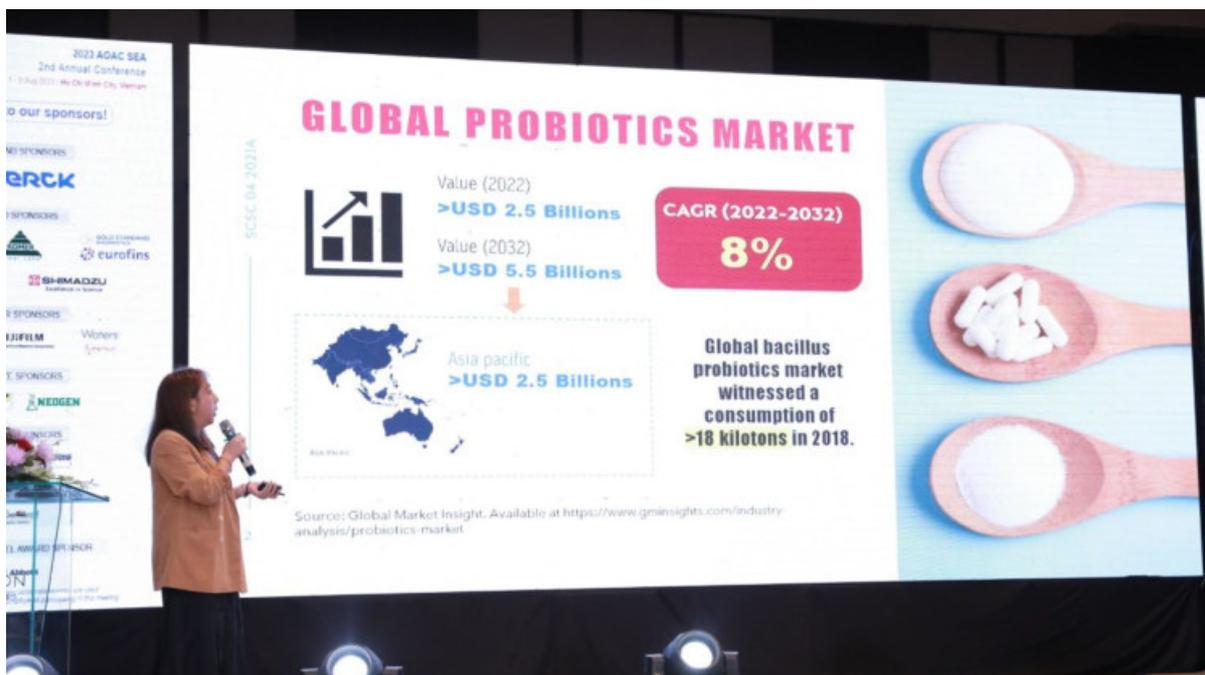
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# Nov 28-29: Food Crop Plant Protection Workshop

Plant Protection Global challenges in weed and pest management, especially in Southeast Asia and Vietnam, demand urgent solutions. Despite hazards, herbicides and pesticides are vital for protection. Off-label use and soil degradation worsen the situation. This workshop, organized by International Life Sciences Institute Southeast Asia (ILSI SEA) Region, Plant Protection Research Institute (PPRI) and CropLife Asia (CLA) addresses gaps, focusing on best practices, application techniques, human and environmental exposure, and potential improvements for Vietnam's plant protection practices. Limited resources for smallholder farmers underscore the need for accessible solutions. If you are engaged in the field of plant protection, sustainable pesticides and herbicides management, pesticides analysis and agricultural risk assessment, this workshop will be beneficial to you. Check out the program in the flyer.

To register: <https://forms.gle/2nCi8WnCf9HaTtn46>

[View the flyer](#)



# (Microbiology) Next Generation Sequencing for Probiotic Testing

Following Prof. Chai Lay Ching's presentation at the 2023 AOAC SEA Annual Meeting, titled "Sequencing the Future of Probiotics: Next Generation Testing for Safety and Quality," the expert committee has recently unveiled a handbook under the APEC SCSC 04 2021A project. Named "Sequencing the Future of Probiotics: A Practical Handbook to Next Generation Testing for Safety and Quality," this publication stems from collaborative efforts among experts in relevant fields from both APEC and non-APEC economies. It provides a comprehensive overview of the regulatory landscape, methodologies, and challenges in probiotic testing. The handbook also addresses best practices, explores potential applications of NGS in tackling pertinent issues, and outlines future prospects.

For more information related to probiotic testing, you can access this website: <https://www.ngsforprobioticstesting.com/>

Click the button below to access the publication.

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handbook

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