

12th International Akademie Fresenius Online Conference

Pesticide Residues in Food

+++ ONLINE CONFERENCE +++

12 and 13 December 2023

Highlights

Regulatory requirements and guideline developments

- Developments on pesticides residues – update from DG SANTE
- Short update from the OECD expert group on residue analytical methods

Monitoring: Programmes and challenges

- 2021 EU annual report on pesticide residues in food
- Food monitoring in the United Kingdom
- Food monitoring in India
- Pesticides and the rapid alert system
- Processing factors
- What goes in should go out: human bio-monitoring to gain insight in exposure to pesticide mixtures

Analytical methods and tools

- Analysis of pesticides entailing esters and conjugates in their residue definition
- New chromatography and clean up advances in multiresidue methods for pesticide residues
- GC-MS/MS analysis of pesticide residues applying H₂ carrier gas instead of He
- Selective analysis of dithiocarbamates by classes
- Inclusion of metabolites in routine pesticide monitoring: the German metabolite project



The Experts

Michelangelo Anastassiades European Union Reference Laboratory for Pesticides requiring Single Residue Methods (EURL-SRM), CVUA Stuttgart | **Jan Baele** European Commission | **Almut Bitterhof** European Commission | **Monika Bross** BASF | **Nadja Buchner** German Federal Office of Consumer Protection and Food Safety (BVL) | **Luis Carrasco Cabrera** European Food Safety Authority (EFSA) | **Victor Cutillas Juárez** European Union Reference Laboratory for Pesticide Residues in Fruits and Vegetables (EURL-FV), University of Almería | **Amadeo Rodríguez Fernández-Alba** European Union Reference Laboratory for Pesticide Residues in Fruits and Vegetables (EURL-FV), University of Almería | **Friederike Habedank** State Office for Agriculture, Food Safety and Fisheries Mecklenburg-Western Pomerania | **Caroline Harris** Exponent UK | **Jochen Heidler** German Federal Institute for Risk Assessment (BfR) | **Helen Kyle** HSE Chemicals Regulation Division (CRD) | **Marine Lambert** French Agency for Food, Environmental and Occupational Health and Safety (ANSES) | **Hans Mol** Wageningen Food Safety Research (WFSR) | **Nell Townsend** Exponent UK | **Vandana Tripathy** All India Network Project on Pesticide Residues (AINP-PR), ICAR-Indian Agricultural Research Institute | **Claire L. Stephenson** ADAMA | **Siret Surva** European Commission

Tuesday, 12 December 2023

Timings are in
Central European Time [CET](#).

Morning Session | 09:30 – 12:50 CET

09:15 Opening of the virtual meeting room
09:30 Welcome address by the organisers and the Chairs
Monika Bross, BASF, Germany
Caroline Harris, Exponent, UK

The presentation slots include sufficient time for questions and answers.

Regulatory issues and monitoring challenges

09:40 **Developments on pesticides residues – update from DG SANTE**

Almut Bitterhof, European Commission, Belgium

10:10 **2021 EU annual report on pesticide residues in food**

- EU-coordinated programme and national monitoring programmes
- Statistics, data visualisation, pilot probabilistic methodology
- Consumer dietary risk assessment

Luis Carrasco Cabrera, European Food Safety Authority (EFSA)

10:40 **Short break**

11:00 **Short update from the OECD expert group on residue analytical methods**

Jochen Heidler, German Federal Institute for Risk Assessment (BfR), Germany

11:30 **Pesticides and the rapid alert system**

- Criteria for notifying pesticide residues in the RASFF
- Pesticides data in the RASFF
- Considerations for the future

Jan Baele, European Commission, Belgium

12:00 **Short break**

12:20 **Food monitoring in the United Kingdom**

Helen Kyle, HSE Chemicals Regulation Division (CRD), UK

Afternoon Session | 14:00 – 16:20 CET

14:00 **Food monitoring in India**

- Implementation of two national level schemes on pesticide residue in India
- Monitoring of pesticide residues in spices
- How this monitoring data has helped India in fixation of the international MRL's (FAO/WHO/Codex) facilitating trade to EU and other countries and overcoming consumer safety challenges

Vandana Tripathy, All India Network Project on Pesticide Residues (AINP-PR), ICAR-Indian Agricultural Research Institute, India

14:30 **What goes in should go out: human biomonitoring to gain insight in exposure to pesticide mixtures**

- Large scale study 10 European countries + Argentina
- Pesticides/metabolites found in urine and feces
- Glyphosate lost and found

Hans Mol, Wageningen Food Safety Research (WFSR), The Netherlands

15:00 **Short break**

15:20 **Processing factors update: Perspective of a food control and inspection office**

Friederike Habedank, State Office for Agriculture, Food Safety and Fisheries Mecklenburg-Western Pomerania, Germany

15:50 **Processing factors update: Industry perspective**

Claire L. Stephenson, ADAMA, UK and
Nell Townsend, Exponent, UK

16:20 **End of the first conference day**

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Information available online at:
www.akademie-fresenius.com/3460

Morning Session | 09:00 – 12:45 CET

09:00 Welcome address by the Chair

Hans Mol, Wageningen Food Safety Research (WFSR),
The Netherlands

09:05 The “Information Note” on processing factors and the latest developments

Siret Surva, European Commission, Belgium

Analytical methods and tools

09:35 Analysis of pesticides entailing esters and conjugates in their residue definition

Michelangelo Anastassiades, EU Reference Laboratory for Pesticides requiring Single Residue Methods (EURL-SRM),
CVUA Stuttgart, Germany

10:05 Short break

10:25 New chromatography and clean up advances in multiresidue methods for pesticide residues

Amadeo Rodríguez Fernández-Alba, European Union Reference Laboratory for Pesticide Residues in Fruits and Vegetables (EURL-FV), University of Almería, Spain

10:55 GC-MS/MS analysis of pesticide residues applying H₂ carrier gas instead of He

- Hydrogen as an alternative carrier gas for GCMS
- Advantages and disadvantages of using H₂
- Multiresidue analysis of pesticides

Víctor Cutillas Juárez, European Union Reference Laboratory for Pesticide Residues in Fruits and Vegetables (EURL-FV),
University of Almería, Spain

11:25 Short break

11:45 Selective analysis of dithiocarbamates by classes

- Challenges of dithiocarbamates analysis in food
- Setting up a working group for investigating the key-steps of the selective derivatisation method and main results obtained

Marine Lambert, French Agency for Food, Environmental and Occupational Health and Safety (ANSES), France

12:15 Inclusion of metabolites in routine pesticide monitoring: the German metabolite project

Nadja Buchner, German Federal Office of Consumer Protection and Food Safety (BVL), Germany

12:45 End of the conference

How will this online conference work?

Our online conference will be live – with interactive participation – and will be held in the English language. Prior to the conference, we will provide you with your login details, which will allow you to participate and ask questions from your preferred location. All you need is a stable internet connection and an audio hardware system – and away you go!

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Do you have any questions?



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The Organisers

For more than 25 years, Akademie Fresenius has been your partner for practice-orientated training on all the latest topics surrounding the safety and quality of food, consumer goods and chemical products along the whole production chain. Our portfolio not only includes international conferences but also offers national trade meetings, intensive practical seminars and training in small work groups.

Our events are designed to promote an active exchange amongst our participants and offer the perfect platform for bringing the industry, the scientific sector, the authorities and the consulting field together. Excellent service, all-inclusive. Our wide-ranging advanced training opportunities contribute to giving our customers the competitive edge in all quality assurance, risk assessment, legal, production and technical questions.

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Who should attend this conference?

Professionals of the following sectors:

- ✓ Agrochemical industry
- ✓ Food and drink industry
- ✓ Regulatory authorities
- ✓ Food inspection offices
- ✓ Research institutes
- ✓ Scientific consultants
- ✓ Professional associations

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