

12<sup>th</sup> International Akademie Fresenius Conference

# Pesticide Residues in Food

+++ HYBRID EDITION +++

12 and 13 December 2023  
in Cologne/Germany  
and via Live Stream

## 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 H<sub>2</sub> 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) | **Vandana Tripathy** All India Network Project on Pesticide Residues (AINP-PR), ICAR-Indian Agricultural Research Institute

# Tuesday, 12 December 2023

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

## Morning Session | 09:30 – 13:00 CET

09:00 On-site registration & 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

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

Almut Bitterhof, European Commission, Belgium (virtual presentation)

## Monitoring challenges

10:15 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), Italy (virtual presentation)

## Regulatory issues

10:45 Short update from the OECD expert group on residue analytical methods

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

11:20 Coffee and tea break

## Monitoring challenges

11:50 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 (virtual presentation)

12:25 Food monitoring in the United Kingdom

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

13:00 Lunch break

## Afternoon Session | 14:00 – 16:15 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

14:35 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

15:10 Coffee and tea break

15:40 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

16:15 Processing factors update: Industry perspective

Claire L. Stephenson, ADAMA, UK

Nell Townsend, Exponent, UK

17:25 End of the first conference day

18:30 Joint evening event



After the first conference day you are most welcome to attend our evening event for an unhurried evening of good food and leisure time. Please join us to continue the day's interesting discussions in a relaxed and comfortable atmosphere.

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Information available online at:  
[www.akademie-fresenius.com/prf](http://www.akademie-fresenius.com/prf)

## Morning Session | 09:30 – 13:10 CET

### 09:30 Welcome address by the Chair

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

## Analytical methods and tools

### 09:40 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

### 10:15 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

### 10:50 Coffee and tea break

### 11:20 GC-MS/MS analysis of pesticide residues applying H<sub>2</sub> carrier gas instead of He

- Hydrogen as an alternative carrier gas for GCMS
- Advantages and disadvantages of using H<sub>2</sub>
- Multiresidue analysis of pesticides

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

### 11:55 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

### 12:30 Inclusion of metabolites in routine pesticide monitoring: the German metabolite project

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

### 13:10 Lunch and end of the conference

## On-site and in person or digitally via our Live Stream – the choice is yours!

Reconnect with your colleagues, clients and partners, network with old and new acquaintances – and just enjoy the on-site event in Cologne.

Should you have missed the opportunity to secure one of our on-site places – or prefer not to travel, you can follow the contributions and discussions from the location of your choice: Via our Live Stream!

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Information available online at:  
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# Registration

By web [www.akademie-fresenius.com/prf](http://www.akademie-fresenius.com/prf)  
By email [registration@akademie-fresenius.com](mailto:registration@akademie-fresenius.com)

## Participation Fee:

**€ 1,995.00 plus VAT** on-site in Cologne

Representatives of an authority or a public university are eligible for a reduced fee of **€ 895.00 plus VAT** per person (please provide evidence). The reduced fee cannot be combined with other rebates.

**€ 1,195.00 plus VAT** Live Stream

Representatives of an authority or a public university are eligible for a reduced fee of **€ 695.00 plus VAT** per person (please provide evidence). The reduced fee cannot be combined with other rebates.

If you are unable to attend, you can order the event documentation for **€ 295.00 plus VAT**.

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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.

Akademie Fresenius is a joint venture between Carl Remigius Fresenius Education Group, one of the largest private and independent education groups in Germany, and SGS Institut Fresenius, one of the leading German providers of chemical laboratory analysis.

You can find details on upcoming and new events at [www.akademie-fresenius.com](http://www.akademie-fresenius.com)

**Terms of Participation and Purchase:** The registration fee includes the participation in the event, event documentation, and, in the case of on-site events, lunch, coffee breaks, beverages as well as the evening event. You will receive written confirmation of your registration. Upon receiving our invoice, please transfer the amount due without further deductions before the event begins. The price of the event documentation includes the login details for the secure download section of our webpage where you will find the presentations in a pdf format. The login details will be sent to you via email after the event and as soon as advance payment has been received.

**Group Reductions:** For joint bookings received from one company we grant a 15% discount from the third participant onwards.

**Terms of Cancellation:** For our on-site events, written cancellations or transfers will be accepted free of charge up to four weeks prior to the start of the event. After this date and up to a week prior to the start of the event we will reimburse 50% of the registration fee. We cannot, unfortunately, provide refunds for later cancellations. For our online events, cancellations or rebookings to another event will be accepted free of charge up to one week before the start of the event. In the event of later cancellations or non-login to the online event, no participation fees can be refunded. In this

## 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

## Conference Venue

Leonardo Royal Hotel Köln – Am Stadtwald  
Dürener Straße 287, 50935 Köln  
Phone : +49 221 4676-0  
Email: [info.koelinstadtwald@leonardo-hotels.com](mailto:info.koelinstadtwald@leonardo-hotels.com)  
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We have reserved a limited number of rooms for our participants at reduced rates at the hotel. These rooms can be booked up to four weeks prior to the start of the event. Please book early and directly through the hotel quoting "Akademie Fresenius" as reference.

Of course, participation via our Live Stream is also possible.

case, however, you will receive access to the documentation download after the event. Please note that you can name a substitute participant free of charge at any time.

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