

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

# Pesticide Residues in Food

+++ HYBRID EDITION +++

1 and 2 July 2025  
in Dusseldorf/Germany  
and via Live Stream

## Highlights

- Update from DG SANTE on MRLs and the draft Sampling Regulation
- Managing the scope challenge in pesticide residue monitoring
- Netherlands Food and Consumer Product Safety Authority on MRL compliance testing
- Monitoring of pesticide residues in South Africa
- Pesticide residues in honey and fish
- Effects of pesticide residues on insects farmed for food and feed
- Processing factors: a food control and inspection office's perspective
- Multiple-source substances in organic products and baby food
- Challenges for analytical methods: enantiomers, esters and conjugates
- Advances in miniaturisation: QuEChERS method and Microflow LC Chromatography Mass Spectrometry
- Experience with miniaturisation in the plant protection industry

Come along for key updates  
and to meet your peers!



## The Experts

**Ivan Aloisi** Wageningen Food Safety Research (WFSR) | **Michelangelo Anastassiades** EURL-SRM, CVUA Stuttgart | **Paul Bontenbal** Netherlands Food and Consumer Product Safety Authority (NVWA) | **Monika Bross** BASF | **Laura Carbonell Rozas** University of Granada | **Norbert Fuchsbauer** HiPP | **Paul Garrigue** SGS Crop Science | **Friederike Habedank** State Office for Agriculture, Food Safety and Fisheries Mecklenburg-Western Pomerania | **Florencia Jesús** EURL-FV, University of Almería | **Piroska Kiss** European Commission | **Nathan Meijer** Wageningen Food Safety Research (WFSR) | **Hans Mol** Wageningen Food Safety Research (WFSR) | **Susanne Müller-Bomke** Bayer | **Anja Muzyka** EURL-AO, CVUA Freiburg | **Sarah Obermeier** EURL-AO, CVUA Freiburg | **Richard Pehn** Austrian Agency for Health and Food Safety (AGES) | **Amadeo Rodríguez Fernández-Alba** EURL-FV, University of Almería | **Ann-Kathrin Schäfer** EURL-SRM, CVUA Stuttgart | **Hlabana Alfred Seepe** South African Department of Agriculture, Land Reform and Rural Development (DALRRD) | **Christian Spangler** BASF

# Tuesday, 1 July 2025

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

**09:00 On-site registration and opening of the virtual meeting room**

**09:30 Welcoming speech by the organisers and the Chairs**

**Monika Bross**, BASF, Germany

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

**Christian Spangler**, BASF, Germany

The presentation slots include sufficient time for questions and answers.

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

- Update on MRLs
- Draft Sampling Regulation on pesticide residues in food and feed
- 2023 European Union report on pesticide residues in food

**Piroska Kiss**, European Commission, Belgium (virtually)

## Monitoring: Programmes and Challenges

**10:10 The scope challenge in pesticide residue monitoring**

- Pesticides, we can('t) cover all?!
- How to prioritise our scope?
- Decide and measure or measure and decide?

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

**10:45 Coffee break**

**11:20 Monitoring of pesticide residues in honey**

- Background information and aims of the project
- Method information and results
- Background information on certain substances

**Anja Muzyka**, European Union Reference Laboratory for Food of Animal Origin (EURL-AO), CVUA Freiburg, Germany

**Ann-Kathrin Schäfer**, European Union Reference Laboratory for Pesticides requiring Single Residue Methods (EURL-SRM), CVUA Stuttgart, Germany

**12:00 Assessment of pesticide residues in fish**

- Current legislation on the assessment of pesticides in fish
- Procedure for assessing pesticide residues in fish
- Monitoring results of Baden-Württemberg

**Sarah Obermeier**, European Union Reference Laboratory for Food of Animal Origin (EURL-AO), CVUA Freiburg, Germany

Timings are in  
Central European Summer Time CEST.

**12:25 Effects of pesticide residues on insects farmed for food and feed**

- Dietary exposure of farmed insects to pesticide residues in feed
- Carry-over to insect-based products and potential impact of default MRLs
- Potential synergistic effects of pesticide mixtures

**Nathan Meijer**, Wageningen Food Safety Research (WFSR), The Netherlands

**13:00 Lunch break**

## Afternoon Session | 14:00 – 17:40 CEST

**14:00 Monitoring of pesticide residues in fruits and vegetables in South Africa: current endeavours, challenges and prospects**

- Registration of agricultural remedies and establishment of MRLs
- Overview of food safety regulations, key role players, and enforcement mechanisms
- Challenges in monitoring systems and handling complaints from importing countries
- The way forward

**Hlabana Alfred Seepe**, Department of Agriculture, Land Reform and Rural Development (DALRRD), South Africa

**14:35 MRL compliance testing: surveillance and enforcement**

- Surveillance: risk-based approach
- Interpretation of pesticide residue data
- Enforcement: sanctions and possibilities

**Paul Bontenbal**, Netherlands Food and Consumer Product Safety Authority (NVWA), The Netherlands

**15:10 Coffee break**

**15:40 Multiple-source substances in organic products and baby food - occurrence and legal evaluation**

- Examples for multiple source substances in organic products and baby food
- Bromide – natural occurring mineral or indicator for the use of methyl-bromide?
- Regulatory challenges and possible solutions

**Norbert Fuchsbauer**, HiPP, Germany

**16:15 Processing factors update: perspective of a food control and inspection office**

- An ungrateful subject: Despite all efforts, legal validity is always questioned
- Overview and limitations of current legislation on processing factors
- Examples illustrating a practical approach to deriving processing factors

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

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### 16:50 Alkaline hydrolysis: 7 years of data

- Explanation of the method used
- Overview of the collected data
- Analysis of the data and conclusion

**Richard Pehn**, Austrian Agency for Health and Food Safety (AGES), Austria

17:25 Final discussion

17:40 End of the first day

18:30 Evening event



Join us for a relaxed evening of delicious food and leisure after the first day of the conference. It's a great opportunity to continue the day's discussions and connect with fellow attendees.

## Wednesday, 2 July 2025

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

09:00 Welcoming speech by the organisers and the Chairs

**Monika Bross**, BASF, Germany

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

**Christian Spangler**, BASF, Germany

## Developments in Analytical Methods and Tools

09:10 Update on the 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

09:45 Enantiomers as a challenge for residue analytical methods

- Difficulties to analyse enantiomers and framework requirement
- Application: study case

**Paul Garrigue**, SGS Crop Science, France

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

10:20 Towards greener extraction in pesticide residue analysis: the role of natural deep eutectic solvents (NADES)

- NADES and their potential to support sustainable analytical practices and safer laboratory environments
- Tailor-made NADES to enhance extraction efficiency
- Versatile and simple multi-residue NADES-based solid-phase extraction (SLE)

**Laura Carbonell Rozas**, University of Granada, Spain

10:55 Coffee break

## Spotlight: Advances in Miniaturisation

11:30 Miniaturisation of the QuEChERS method in fruits and vegetables without cryogenic milling

- Up to 97% reduction of toxic solvents
- 30 times less expensive
- Excellent homogeneity without cryo-milling

**Ivan Aloisi**, Wageningen Food Safety Research (WFSR), The Netherlands

12:05 Advantages of Microflow LC Chromatography Mass Spectrometry in pesticide residue analysis

- Significant reduction of solvent consumption, increasing sustainability by minimising organic waste
- Improving sensitivity by coupling micro-flow LC to triple quadrupole analyser
- Simplifying the mass acquisition workflow by coupling micro-flow LC to Q-Orbitrap analyser

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

12:40 Experience with miniaturisation from plant protection industry

- Representative sample material
- Miniaturisation
- Automatisations in residue analysis
- Sample preparation for plant matrices

**Susanne Müller-Bomke**, Bayer, Germany

13:15 Final discussion

13:30 Lunch and end of the conference

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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 Dusseldorf

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**.

10% discount  
valid until 14 May 2025  
Code: PRF10



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## Do you have any questions?



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## The Organisers

For 30 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.

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

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## Who should attend this conference?

Professionals from the following sectors:

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

## Conference Venue

Novotel Düsseldorf City West  
Niederkasseler Lohweg 179, 40547 Düsseldorf  
Phone : +49 211 52060-0  
Email: [h3279@accor.com](mailto:h3279@accor.com)  
<https://all.accor.com>

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.

Please note that you can name a substitute participant free of charge at any time.

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