



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

# Contaminants and Residues in Food

+++ ONLINE CONFERENCE +++

1 and 2 March 2023

## Highlights

- European Community policy on contaminants in foodstuffs
- Ethylene oxide
- Ukraine crisis and export
- Food fraud and downgraded quality – what are the challenges?
- Pyrrolizidine and tropane alkaloids in cereals, spices and herbes
- Furan and alkylfurans in breakfast cereals
- Current developments in the risk management of mineral oil hydrocarbons
- PFAS in food and drinking water



## The Experts

**Maria Bastaki** European Food Safety Authority (EFSA) | **Benedikt Cramer** University of Münster | **Peter Fürst** Münster | **Bettina Grasl-Kraupp** Medical University of Vienna | **Rüdiger Helling** Saxon State Ministry for Social Affairs and Cohesion | **Ron Hoogenboom** Wageningen Food Safety Research (WFSR) | **Friedrich Klapdor** The Hamburg Authority for Justice and Consumer Protection (BJV) | **Raquel Medeiros** Nestlé | **Britta Müller** Bavarian Health and Food Safety Authority LGL | **Sadat Namaz** Fera Science | **Linda Schreiner** Bavarian Health and Food Safety Authority LGL | **Dieter Schrenk** University of Kaiserslautern | **Holger Sieg** German Federal Institute for Risk Assessment (BfR) | **Richard Stadler** Nestlé | **Michele Suman** Barilla | **Veerle Vanheusden** European Commission | **Frans Verstraete** European Commission

# Wednesday, 1 March 2023

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

## Morning Session 09:00 – 12:20 CET

08:30 Opening of the virtual meeting room  
09:00 Welcoming speech by the organisers and the Chairs  
Dieter Schrenk, University of Kaiserslautern, Germany  
Peter Fürst, Münster, Germany

The presentation slots include sufficient time for questions and answers.

## Current situation in Europe and worldwide

09:10 Recent and future developments of EU legislation in the field of agricultural contaminants

Frans Verstraete, European Commission, Belgium

10:10 Short break

10:30 Analysis of ethylene oxide and 2-chloroethanol in complex food matrices

Sadat Nawaz, Fera Science, UK

11:00 Legal assessment of ethylene oxide

Friedrich Klapdor, The Hamburg Authority for Justice and Consumer Protection (BJV), Germany

11:30 Short break

11:50 Data on ethylene oxide from industry side

Raquel Medeiros, Nestlé, Switzerland

12:20 Lunch break

## Afternoon Session 13:20 – 15:40 CET

13:20 Impact of the Ukraine war on the agri-food chain

Britta Müller, Bavarian Health and Food Safety Authority LGL, Germany

13:50 Food fraud and downgraded quality – what are the challenges?

Richard Stadler, Nestlé, Switzerland

14:20 Short break

14:40 Non-target screening – possibilities and limits

Ron Hoogenboom, Wageningen Food Safety Research (WFSR), The Netherlands

## Plant toxins

15:10 Pyrrolizidine and tropane alkaloids in cereals, spices and herbs: Setting accurate simultaneous analytical determination and assessing their impact in food industry

Michele Suman, Barilla, Italy

15:40 End of the first conference day



Information available online at:  
[www.akademie-fresenius.com/3208](http://www.akademie-fresenius.com/3208)

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# Thursday, 2 March 2023

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

## Morning Session 09:00 – 12:20 CET

09:00 Welcoming address and opening remarks  
by the Chairs

Dieter Schrenk, University of Kaiserslautern, Germany

Peter Fürst, Münster, Germany

## Current situation in Europe

09:10 Recent and future developments of EU legislation in  
the field of process and environmental contaminants

Veerle Vanheusden and Frans Verstraete, European  
Commission, Belgium

10:10 Short break

## Process contaminants

10:30 Occurrence and formation of furan and alkylfurans  
in breakfast cereals

Benedikt Cramer, University of Münster, Germany

## Other contaminants

11:00 Risk assessment of N-nitrosamines in food

Bettina Grasl-Kraupp, Medical University of Vienna, Austria

11:30 Short break

11:50 Current developments in the risk management  
of mineral oil hydrocarbons

Rüdiger Helling, Saxon State Ministry for Social Affairs and  
Cohesion, Germany

12:20 Lunch break

## Afternoon Session 13:20 – 14:50 CET

13:20 Health-based guidance values for copper and its  
exposure assessment from all sources

Maria Bastaki, European Food Safety Authority (EFSA), Italy

13:50 PFAS investigations in regions with and without  
known contamination

- Occurrence of PFAS in food and drinking water – comparison of regions with and without known contamination
- Determination of a series of perfluorinated carbonic acids, perfluorinated sulfonates and per- and polyfluorinated substitutes
- Comparison of data for food and drinking water with data obtained in human biomonitoring

Linda Schreiner, Bavarian Health and Food Safety Authority  
LGL, Germany

14:20 Update on micro- and nanoplastic

- Progress in analytical techniques, particle quantification and standardisation
- International activities in research and risk assessment
- Advances from micro- to nanoplastics

Holger Sieg, German Federal Institute for Risk Assessment  
(BfR), Germany

14:50 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!



Information available online at:  
[www.akademie-fresenius.com/3208](http://www.akademie-fresenius.com/3208)

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# Registration

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

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## Participation Fee: € 1,195.00 plus VAT

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 the online event, you can order the event documentation for € 295.00 plus VAT. It will be available after the online event through the download area of our website where you will find the latest versions of the presentations as pdf files.

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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 Cognos, 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)

## Who should attend this conference?

Professionals of the following sectors:

- ✓ Food and feed industry
- ✓ Food retailing
- ✓ Packaging industry
- ✓ Food inspection offices
- ✓ Laboratories
- ✓ Research institutes
- ✓ Authorities
- ✓ Professional associations

**Terms of Participation and Purchase:** The registration fee includes the participation in the online event and the event documentation for download. 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 access to the secure Akademie Fresenius download area on our website. The secure access code will be dispatched around two weeks 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.

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