



Alternative Proteins for Food and Feed International Conference

03–05 December 2024, Berlin



Alternative Proteins for Food and Feed

Food and feed systems worldwide face challenges in ensuring food security and nutrition for a steadily growing global population, while guaranteeing the livelihoods of farmers and other stakeholders in the food chain and maintaining a sustainable environment.

Sustainable agricultural practices and food systems, encompassing production and consumption, must be pursued holistically, integrating innovative developments with environmental protection. Alternative protein sources such as insects, fungi, algae, and microbes are filling the gap of sustainable, nutritious and safe foods in the future.

In this context, we are pleased to announce the organisation of the International Conference on Alternative Proteins for Food and Feed.

This conference will discuss sustainable alternative protein sources and explore how they can transform the way we feed the world. Focussing on safety and nutritional aspects, including consumer perception and economic success.

We look forward to welcoming you at the International Conference on Alternative Proteins for Food and Feed in Berlin from December 3rd to 5th, 2024.

In collaboration with



Programme

Tuesday, 03 December 2024

12:00–13:00

Registration

13:00–13:45

Welcome by the organisers

13:45–14:15

Keynote

Francesco Branca, World Health Organization (WHO), Geneva, CH

Session I: Alternative proteins landscape

Session Chair: Claudia Paoletti, European Food Safety Authority (EFSA), Parma, IT

14:15–14:45

Plant and animal proteins used in alternative protein product

Pam Ismael, University of Minnesota, US

14:45–15:15

Microbial-based protein sources and precision fermentation

Matthias Schmalisch, Formo Bio GmbH, Berlin, DE

15:15–15:45	Animal cell-culture as a new source of protein David Kaplan, Tufts University Center for Cellular Agriculture, Medford, US
15:45–16:00	Coffee break
16:00–16:30	Public attitudes towards novel proteins Marleen Onwezen, Wageningen University & Research, Den Haag, NL
16:30–17:00	Feed in the context of alternative proteins N. N. German Federal Institute for Risk Assessment (BfR), Berlin, DE N. N. Matís, Reykjavik, IS
17:00–17:30	Scaling up production speaker tbc
17:30–17:40	Wrap up Hermann Broll, BfR, Berlin, DE
18:00–20:00	Welcome cocktail

Wednesday, 04 December 2024

09:00–09:20	Opportunities and challenges of alternative protein in food and feed Setting the scene: Masami Takeushi, Food and Agriculture Organization (FAO), Rome, IT
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Session II: Regulatory frameworks

Chair: Siu Fai LEE, Singapore Food Agency (SFA), SG

09:20–09:40	Overview of the regulatory system for food and feed safety: USA Steve Musser, Food and Drug Administration (FDA), Silver Spring, US
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09:40–10:00	Overview of the regulatory system for food and feed safety: EU Rafael Luis Perez Berbejal, European Commission, Brussels, BE
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10:00–10:35	Overview of the regulatory system for food and feed safety: Asia Soo Jung Choi, Ministry of Food and Drug Safety, Seoul, KR Yong Quan Tan, SFA, SG
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10:35–11:00	Coffee break
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Session III: Safety

Session Chair: Eric Stevens, Food and Drug Administration (FDA), Silver Spring, US

11:00–11:25	Ensuring the safety of emerging protein sources: How EFSA's updated Novel Food Guidance protects consumer health and supports innovation in the EU agrifood sector Ermolaos Ververis, EFSA, Parma, IT
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11:25–11:50	Food and feed safety assessment: the Australian perspective Nora Galway, Food Standards Australia New Zealand, Canberra, AU
11:50–12:15	Approach to the safety assessment of food ingredients and additives Kristi Muldoon-Jacobs, FDA, Silverspring, US
12:15–13:00	Discussion of the presentations
13:00–14:00	Lunch break
Session IV: Nutrition	
Session Chair: Andrea Germini, European Food Safety Authority (EFSA), Parma, IT	
14:00–14:25	Are alternative protein foods nutritious and healthy? From dietary modelling to randomised controlled trials in Singapore Darel Toh, Singapore Institute of Food and Biotechnology Innovation (SIFBI), SG
14:25–14:50	How processing of protein-rich plant materials affects protein ingredient functionality Ute Weisz and Hannelore Daniel, Technical University of Munich, DE
14:50–15:15	Plant-based alternatives in South America: exploring nutritional aspects and market availability Marilia Regini Nuti, Brazilian Agricultural Research Corporation, Rio de Janeiro, BR
15:15–15:45	Coffee break
Session V: Consumer perception	
Session Chair: Mark Lohmann, BfR, Berlin, DE	
15:45–16:10	Communication and Consumers' Perception of Cultivated Meat in Singapore Shirley Ho, Nanyang Technological University, SG
16:10–16:35	The consumer and industry perspective on the future of alternative proteins using the example of Canada Sylvain Charlebois, Dalhousie University, Halifax, CA
16:35–17:00	Health effects and consumer perception of novel fermented foods Armando F J Perez Cueto Eulert, Umeå University, SE
17:00–17:45	Discussion of the presentations

Thursday, 05 December 2024

09:00–09:20 **Sustainable food and feed systems: the role of alternative proteins**
Setting the scene: speaker tbc

Session VI: Environmental sustainability and circularity

Session Chair: Guðmundur Stefánsson, Matís, Reykjavik, IS

09:20–09:40 **Comparing different farming systems and different nutrition diets such as plant-based proteins**
Urs Niggli, Institute of Agroecology, Aarau, CH

09:40–10:00 **Life cycle assessment (LCA) of alternative proteins**
Serenella Sala, Joint Research Centre, Ipsra, IT

10:00–10:35 **Environmental sustainability of alternative protein sources for food and feed**
Hanna Tuomisto, University of Helsinki, FI

10:35–11:00 **Coffee break**

Session VII: Socio-economic impact

Session Chair: N. N.

11:00–11:25 **Social LCA “considerations” related to alternative proteins**
Alessandra Zamagni, Ecoinnovazione srl, Bologna, IT

11:25–11:50 **TBD**
Ivo Rzegotta, Good Food Institute Europe ASBL, Forest, BE

11:50–12:15 **The socio-economic advantages of alternative protein sources in the context of the European Green Deal**
Lynn Frewer, Newcastle University, UK

12:15–13:00 **Discussion of the presentations**

13:00–14:00 **Lunch Break**

14:00–16:00 **Conference panel discussion**
Moderator: Katharina Faradsch, Prospex Institute VZW, Brussels, BE

16:00–16:15 **Closing remarks**
Hermann Broll, BfR, Berlin, DE

Organisational information

Venue

German Federal Institute for Risk Assessment
Lecture theatre
Diedersdorfer Weg 1,
12277 Berlin (Marienfelde)



Directions

bfr-akademie.de/english/locations/marienfelde.html
Destination stop (www.bahn.de, www.bvg.de):
"Nahmitzer Damm/Marienfelder Allee (Berlin)"

Organiser

German Federal Institute for Risk Assessment
Max-Dohrn-Straße 8–10
10589 Berlin, Germany
bfr.bund.de/en

Registration

Standard rate: 430 € on site/125 € online
Students: 145 € on site/40 € online
German federal employees: 40 € on site/0 € online

Please register online by 15.11.2024 on
bfr-akademie.de/english/alternative-proteins-for-food-and-feed.html

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About the BfR

The German Federal Institute for Risk Assessment (BfR) is a scientifically independent institution within the portfolio of the German Federal Ministry of Food and Agriculture (BMEL). It advises the Federal Government and the federal states ("Laender") on questions of food, chemicals and product safety. The BfR conducts its own research on topics that are closely linked to its assessment tasks.

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