

ICFC 2025

International Conference on Food Contaminants
Challenges in Emerging Contaminants and Planetary Health



PROGRAMME



Ricardo Faria Paulino

25-26 SEPTEMBER 2025

FUNCHAL, MADEIRA, PORTUGAL

<https://icfc.insa.pt/>

Welcome!

On behalf of the Organizing Committee, we are glad to invite you to participate in the **International Conference on Food Contaminants (ICFC 2025): 6th Edition on “Challenges on Emerging Contaminants and Planetary Health”** that will be held, in person, on the 25th to 26th September 2025 at the auditorium of the *Museu de Eletricidade Casa da Luz* (www.museucasadaluz.pt) in Funchal, Madeira, Portugal.

This multidisciplinary conference provides a forum for both internationally established and young researchers to exchange advanced knowledge on Food Contaminants and Human Health.

The conference will include lectures given by world-renowned scholars, in addition to oral and poster presentations.

Scientific Contributions

Participants from universities, research institutes, industries, academia, regulatory authorities, and government or private institutions working in the field of Food Safety and Health are invited to submit abstracts. Special encouragement is given to students and young scientists. Submissions may be for oral presentations or poster communications, focusing on Emerging Contaminants and Planetary Health.

Scientific contributions will be subjected to a peer review process by the ICFC2025 Scientific Committee members and selected for oral or poster communications at least in one of the following ICFC2025 topics:

1. Impact of Chemical and Biological Contaminants on Health (occurrence, exposure assessment, biomonitoring);
2. Advances for Emerging Contaminants Determination;
3. Toxicity Spectrum of Food Contaminants.

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Elsa Vasco (Co-Chair)	Researcher, National Institute of Health Doctor Ricardo Jorge - INSA, Portugal

Honorary Committee

Fernando de Almeida	President of the Executive Board, National Institute of Health Doctor Ricardo Jorge - INSA, Portugal
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Scientific Committee

Alexandra Bento	Head of the Food and Nutrition Department, National Institute of Health Doctor Ricardo Jorge - INSA, Portugal
Ana Gago-Martinez	Professor, University of Vigo, Spain
Andrea Gianotti	Professor, University of Bologna, Italy
Carlos Neves	Chief Scientist, EFSA, Italy
Carlos Oliveira	Professor, Faculty of Animal Science and Food Engineering - FZEA, University of S. Paulo, Brazil
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Isabelle Oswald	Researcher Director, French National Research Institut for Agriculture, Food and Environment - INRAE, France
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Paula Alvito	Senior Researcher, National Institute of Health Doctor Ricardo Jorge - INSA, Portugal and Integrated Member, Centre for Environmental and Marine Studies - CESAM, Portugal

Organizing Committee

Elsa Vasco	Researcher, National Institute of Health Doctor Ricardo Jorge - INSA, Portugal
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Paula Alvito	Senior Researcher, National Institute of Health Doctor Ricardo Jorge - INSA, Portugal and Integrated Member, Centre for Environmental and Marine Studies - CESAM, Portugal
Roberto Brazão	Researcher, National Institute of Health Doctor Ricardo Jorge - INSA, Portugal
Sidney Tomé	Researcher, National Institute of Health Doctor Ricardo Jorge - INSA, Portugal

Programme – Day 1 (25-09-2025)

8.00h - 9.00h		Registration and Welcome Coffee
9.00h - 12.15h	Session 1	Emerging Contaminants and Planetary Health: a call for integrated action
9.00h - 9.30h	Opening Remarks	"The Intersection of Food Safety and Planetary Health" <i>Conference Chair & Honorary Committee</i>
9.30h - 10.00h	Keylecture	One Planet... many contaminants! How can a One Health approach help address these complex challenges? <i>Carlos Neves, EFSA, Italy.</i>
10.00h - 11.15h	Round Table	"The Role of Multilateral Policies in Food Contaminant Mitigation and Planetary Health" <i>(Interactive Debate)</i>
11.15h - 11.45h	COFFEE BREAK & POSTER VIEWING AND NETWORKING	
11.45h - 12.15h	Lecture 1	"Unraveling the Microplastics: From Ubiquity to Human Health Impacts" <i>José Câmara, University of Madeira, Portugal</i>
12.15h - 13.30h	LUNCH & POSTER VIEWING AND NETWORKING	
13.30h - 17.00h	Session 2	Impact of Chemical and Biological Contaminants on Health
13.30h - 14.00h	Lecture 2	"Investigation of the human mycobiome through large-scale population cohorts and poly-omic designs" <i>Martha de Boevre, Ghent University, Belgium</i>
14.15h - 14.30h	Oral Communication 1	Children's exposure to mycotoxins and risk characterization using urinary biomarkers in São Paulo, Brazil <i>Sher Ali, FZEA/USP, Brazil</i>
14.30h - 14.45h	Oral Communication 2	Nixtamalization of maize to reduce mycotoxin exposure: a human biomonitoring intervention study in Soweto, South Africa <i>Elias Maris, Ghent University, Belgium</i>
14.45h - 15.00h	Oral Communication 3	Monitoring and risk assessment of environmental pollutants in edible seaweeds <i>Cristina Soares, REQUIMTE/LAQV, ISEP, Portugal</i>
15.00h - 15.15h	Oral Communication 4	Gracilaria gracilis and Green Seaweed Codium sp.: Risks and Benefits <i>Carlos Cardoso, IPMA, Portugal</i>

Programme – Day 1 (25-09-2025)

15.15h - 15.45h COFFEE BREAK & POSTER VIEWING AND NETWORKING

15.45h - 16.15h Lecture 3

Early-life exposure to dietary mycotoxins in Brazil: What is the extent of protection provided by the health surveillance systems?

Carlos Oliveira, FZEA/USP, Brazil

16.15h - 16.30h Oral Communication 5

Fumonisin's risk assessment in maize-based breads – An example from the Portuguese market

Pedro Nabais, ASAE, Portugal

16.30h - 16.45h Oral Communication 6

Aflatoxin contamination in dairy production: implications for milk safety and quality

Giuseppina Avanti, ISPA-CNR, Italy

16.45h - 17.00h Oral Communication 7

Impact of cooking procedures on coccidiostats in poultry muscle

André Pereira, REQUIMTE/LAQV, FFUC, Portugal

17.00h

Closing Day

Social Event and Conference Dinner

Programme – Day 2 (26-09-2025)

09.00h - 12.30h		Session 3	Advances for Emerging Contaminants Determination
09.00h - 09.30h	Lecture 4		"The risk characterization of Ciguatera poisoning in Europe over the last nine years: main achievements, challenges and future needs" Ana Gago-Martinez, University of Vigo, Spain
09.30h - 09.45h	Oral Communication 8		Understanding brown spot disease in "Rocha" pear: fungal prevalence, resistance, and mycotoxin and phytotoxin production <i>Sónia Silva, Universidade do Minho, Portugal</i>
09.45h - 10.00h	Oral Communication 9		Circular Packaging Solutions: Assessing Food-Contact Safety of Recycled-Layer Multilayer Systems <i>Catarina Freire, MARE, IPL, Portugal</i>
10.00h - 10.15h	Oral Communication 10		identifying emerging threats in Portuguese waters Pedro Reis <i>Pedro Reis, IPMA, Portugal</i>
10.15h - 10.45h	COFFEE BREAK & POSTER VIEWING AND NETWORKING		
10.45h - 12.00h	Round Table		"Analytical techniques and risk communication strategies" (<i>Interactive Debate</i>)
12.00h - 13.30h	LUNCH & POSTER VIEWING AND NETWORKING		
13.30h - 17.00h		Session 4	Toxicity Spectrum of Food Contaminants
13.30h - 14.00h	Lecture 5		"Deoxynivalenol : new effect of an old toxin" Isabelle Oswald, INRAE, France
14.00h - 14h30h	Lecture 6		"How in vitro gut models can support gut microbiome human and animal health research? The INFOGUT project." Andrea Gianotti, University of Bologna, Italy
14.30h - 14.45h	Oral Communication 11		"Microplastics-gut microbiota interactions in an in vitro model of the toddler colon" <i>Stephanie Blanquet-Diot, Université Clermont Auvergne, France</i>
14.45h - 15.00h	Oral Communication 12		A Roadmap for Investigating the Neurotoxicity of Food Chemical Contaminants: Cellular and Barrier-Level Effects Along the Gut–Brain Axis <i>Miguel Faria, LAQV/REQUIMTE, FFUP, Portugal</i>

Programme – Day 2 (26-09-2025)

15.00h - 15.30h COFFEE BREAK & POSTER VIEWING AND NETWORKING		
15.30h - 15.45h	Oral Communication 13	Influence of short-term iron and copper exposure on cadmium and lead accumulation in <i>Ulva</i> spp. <i>Cláudia lopes, MARE, IPL, Portugal</i>
15.45h - 16.00h	Oral Communication 14	Brain on plastics: How surface-modified nanoplastics disrupt human neuronal cells <i>Ana Araújo, LAQV/REQUIMTE, FFUP, Portugal</i>
16.00h - 16.10h		Best Poster Award
16.10h - 16.40h		Remarks and Future Directions
16.40h - 16.45h		ICFC 2027
16.45h - 17.00h		Closing ICFC2025

Secretariat
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