



**LAS-ICMSF WEBINAR - CHALLENGES IN FOOD SAFETY IN A DYNAMIC WORLD.
HOW TO MANAGE THEM?**

September 26 to 28, 2023, Colombia Time: 8:00 am – 12:00 m (GMT – 5)

After decades of improvement, the COVID 19, human-caused conflict, climate change, and economic downturns have led to disruptions in food supply chains with unprecedented impact on the world food system. The foregoing leads to identifying challenges in food safety that can significantly affect food security, population health, economic prosperity, agriculture, market access, tourism, and sustainable development of the countries of Latin America and the Caribbean.

In this context, knowing and prioritizing the demands of the markets, caused by new regulations, consumption patterns or environmental adjustments, can contribute to the joint design of sustainable, efficient, flexible, and resilient strategies and mechanisms in the region to face the new challenges.

Consequently, we are pleased to announce the Latin American Sub-Commission (LAS) of the International Commission on Microbiological Specifications for Foods (ICMSF), will be holding the third version of “LAS-ICMSF Webinar - Challenges in Food Safety in a Dynamic World. How to manage them?”, on the 26th to 28th of September 2023, 8:00 am – 12:00 m (GMT - 5).

The objective of the Webinar is to present the advances and challenges in the management of safety hazards and risks of food safety and will include the following sessions:

1. Utility of gene-based data in Microbiological Risk assessment and Risk management.
2. Managing hazards and risks in novel types of ingredients and foods.
3. Food safety challenges cause by (re-)emerging hazards.
4. Managing *L. monocytogenes* through testing and microbiological criteria.
5. Opportunities provided by Big Data and related technologies to improve food safety – food security and sustainability of food production.
6. The need for systems thinking to address challenges in assuring food safety – food security and sustainability of food production.

The webinar will count on the participation of members of the ICMSF and Latin American experts, to present the concepts and resolve questions of the participants.

The event will be in English, with simultaneous translation into Spanish, completely free and broadcast on the Zoom platform. Make your registration in the following link (<https://forms.gle/u9JktiP875LtPUHA9>) to guarantee the quota and the receipt of the certificate.

For more information about ICMSF visit www.icmsf.org.

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PROGRAM LAS ICMSF 2023

SEPTEMBER 26 – 28 2023 (times are Colombia local / GMT – 5)

DAY 1 (26 SEPTEMBER 2023)

08:00 – 08:15 Opening of the Webinar. Bernadette Franco and Janeth Luna

Session 1. Utility of gene-based data in Microbiological Risk assessment and Risk management.

Moderators **Bernadette Franco and Janeth Luna**

08:15 – 08:35, Use and interpretation of gene-based data for on market food safety (Paul Cook)

08:35 – 08:55, Microbiome-based pathogen control strategies that can be implemented in the food industry (John Donaghy)

08:55 – 09:05, Q & A

09:05 – 09:20, Use and interpretation of gene-based (PCR/WGS) data for MRA (Marcel Zwietering)

09:20 – 09:40, Experience from LATAM (Isabel Chinen)

09:40 – 09:50, Q & A and discussion

09:50 – 10:00, Break

Session 2. Managing hazards and risks in novel types of ingredients and foods.

Moderators **Janeth Luna and Francisco Garces**

10:00 – 10:20, Alternative types of ingredients and food products (Insect or plant-based proteins, lab-meat, etc.): what comes to market and are there (new) hazards and risks? (Hayriye Bozkurt and Martin Cole)

10:20- 10:40, Using fungi to produce alternative food types, benefits and risks (Marta Taniwaki)

10:40 – 10:50, Q & A

10:50 - 11:10, Experiences from LATAM concerning alternative types of food ingredients. (Santana Leon and María Isabel Calderón)

11:10- 11:30, Regulatory status and standards development regarding novel types of foods (Wayne Anderson)

11:30 – 12:00, Q & A and discussion; speakers

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DAY 2 (27 SEPTEMBER 2023)

Session 3. Food safety challenges cause by (re-)emerging hazards

Moderators **Ana Karina Carrascal & Silvia Raffellini**

08:00 – 08:20, Old friends and (re)emerging foodborne hazards associated to consumer risk (Jeff Farber)

08:20 – 08:40, Drivers and mechanisms of the (re)emergence of foodborne hazards (Kiran Bhilegaonkar)

08:40- 08:50, Q&A

08:50 – 09:10, *Salmonella* in low moisture foods – new hazard tricks causing consumer risks (Michelle Danyluk and Francisco Garces)

09:10 – 09:30, E-commerce and consumer behavior – are hazards and risks changing? (Ellen Evans)

09:30- 09:45, Q&A and discussion

09:45 – 10:00, Break

Session 4. Managing *L. monocytogenes* through testing and microbiological criteria

Moderators **Francisco Garces and Leon Gorris**

10:00 – 10:20, Challenges to industry and authorities concerning *Listeria monocytogenes* (Lucia Anelich)

10:20 – 10:40, Codex MCs regarding *Listeria monocytogenes* in RTE foods (Leon Gorris)

10:40- 10:50, Q&A

10:50 – 11:10, Microbiological criteria for RTE foods in LATAM (Francisco Garces and Ana Karina Carrascal)

11:10 – 11:30, A new MC type for *Listeria monocytogenes* in low-risk foods (Marcel Zwietering)

11:30 – 12:00, Q&A and discussion



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DAY 3 (28 SEPTEMBER 2023)

Session 5. Opportunities provided by Big Data and related technologies to improve food safety – food security and sustainability of food production.

Moderators **Francisco Garces & María Isabel Calderón**

08:00 – 08:20, The need to improve food safety – food security and sustainability of food production. (Ana Marisa Cordero)

08:20 – 08:40, Big data impacting dynamic food safety risk management in the food chain (brief overview of position paper) (Tom Ross)

08:40- 08:50, Q&A

08:50 – 09:10, Food manufacturing using Big Data approaches to assure food safety (Anett Winkler)

09:10 – 09:30, Impact assessment of challenges and mitigations involving Big Data technologies (Mike Batz)

09:30 – 09:45, Q & A and discussion

09:45 – 10:00, Break

Session 6. The need for systems thinking to address challenges in assuring food safety – food security and sustainability of food production

Moderators **Janeth Luna and Marcel Zwietering**

10:00 – 10:20, A wholistic view on balancing food safety management with food security and food production sustainability (Peter McClure)

10:20- 10:40, A systems approach to assess the impact of global megatrends and of possible mitigations on the balance between food safety, food security and sustainability (Bob Buchanan)

10:40 – 10:50, Q & A

10:50 - 11:15, Case study: Maize (Marta Taniwaki and Ana Karina Carrascal)

11:15 – 11:30, Q & A and discussion

11:30 - 12:00, **Closure of the webinar** **Janeth Luna and Bernadette Franco**