



# Global Summit On Food Innovation and Nutritional Science

**November 23-25, 2026 | Barcelona, Spain**

## Day 1: Advances in Food Technology s Sustainable Nutrition

### Morning Session

- Opening Ceremony s Welcome Address
- Keynote Presentations
  - *"The Future of Food Science: Integrating Technology and Nutrition Security"*
  - *"The Role of AI & Machine Learning in Food Innovation and Safety Monitoring"*

### Midday Session

- Plenary Talks
  - *"Blockchain for Food Safety: Ensuring Traceability and Transparency in the Supply Chain"*
  - *"Next-Generation Plant-Based and Cultured Meat Technologies"*
- Invited Talks / Featured Talks (Oral Presentations by Experts)
  - *"Advancements in Personalized Nutrition & Precision Diets"*
  - *"Food Chemistry Innovations in Preservatives and Flavor Enhancers"*
- Symposium: *"Digital Transformation in Food Production: Tackling Global Challenges"*

### Afternoon Session

- Workshop: *"Practical Applications of AI in Food Safety & Quality Control"*
- Oral Presentations - Track 1: Sustainable Food Systems s Alternative Proteins
- Poster Session s Technology Demonstrations
- Panel Discussion: *"Challenges in Food Safety Regulations: Legal & Ethical Perspectives"*
- Networking Reception s Welcome Dinner

## Day 2: Emerging Technologies in Food Science s Nutritional Health

### Morning Session

- Keynote Presentations

- *"Quantum Computing in Food Science: The Next Big Leap?"*
- *"Food Innovation for Global Health: Addressing Malnutrition & Obesity"*

### **Midday Session**

- **Plenary Talks**
  - *"IoT and Smart Devices in Food Supply Chain Monitoring: Enhancing Efficiency & Safety"*
  - *"Advances in Nutrigenomics: How Genetics Influence Nutrition and Health"*
- **Invited Talks / Featured Talks (Oral Presentations by Experts)**
  - *"Food Forensics: Detecting Fraud & Contaminants in the Global Food Market"*
  - *"Microbiome & Gut Health: The Role of Probiotics and Fermented Foods"*
- **Symposium: "Predictive Analytics in Food Production: AI, Big Data & Consumer Trends"**

### **Afternoon Session**

- **Workshop: "Smart Packaging & Food Waste Reduction: Innovative Approaches"**
- **Oral Presentations - Track 2: Functional Foods & Nutritional Advances**
- **Poster Session & Interactive Technology Demonstrations**
- **Panel Discussion: "Ethical Challenges in AI-Driven Food Innovation: Sustainability & Consumer Trust"**
- **Industry Roundtable & Business Networking**

## **Day 3: Future Directions in Food Innovation & Global Nutrition**

### **Morning Session**

- **Keynote Presentations**
  - *"Big Data & Predictive Analytics in Food Sustainability & Supply Chain Optimization"*
  - *"The Psychology of Eating: How AI and Behavioral Science Are Shaping Consumer Choices"*

### **Midday Session**

- **Plenary Talks**
  - *"Addressing Global Hunger: The Role of Alternative Proteins & Lab-Grown Foods"*
  - *"Advancements in Food Biotechnology: From CRISPR to Biofortified Crops"*
- **Invited Talks / Featured Talks (Oral Presentations by Experts)**
  - *"Breaking the Nutritional Code: AI-Powered Personalized Diets"*
  - *"3D-Printed Food: The Future of Customizable Nutrition & Texture Science"*

## Afternoon Session

- **Workshop:** *"Investigating AI-Powered Food Fraud Detection & Quality Control"*
- *\*Oral Presentations – Track 3: Future Food Tech, Sustainability & AI in Nutrition*
- **Closing Panel Discussion:** *"The Future of Food Innovation: Trends, Innovations & Challenges"*
- **Best Papers & Poster Awards**
- **Conference Closing Remarks & Farewell Networking**

## Latest Topics for Engaging Speaker Sessions

To ensure the conference remains cutting-edge and impactful, speakers can focus on:

- **AI & Food Science:** How AI is Transforming Food Safety, Quality Control & Innovation
- **Quantum Computing in Food Science:** Accelerating Research in Food Processing & Safety
- **Future of Personalized Nutrition:** Using DNA and AI to Create Custom Diets
- **IoT in Food Supply Chains:** Enhancing Transparency & Reducing Food Waste
- **Deepfake Foods & Synthetic Biology:** Challenges in Identifying Artificially Engineered Foods
- **Blockchain for Food Traceability:** Ensuring Data Integrity & Trust in the Food Industry
- **Dark Web & Food Fraud:** Investigating Counterfeit Foods & Illicit Trade in the Global Market
- **Automated Food Processing & Robotics:** Revolutionizing Food Manufacturing & Supply Chains
- **Big Data in Consumer Preferences:** Predictive Analytics for Healthier Food Choices

## Keynotes, Plenary, Invited Talks, and Featured Talks

- **Keynote Sessions:** High-impact talks from renowned food scientists & industry leaders.
- **Plenary Talks:** In-depth technical and strategic discussions from top food innovation experts.
- **Invited Talks / Featured Talks:** Expert-led Oral Presentations showcasing breakthrough research.
- **Oral Presentations:** Detailed presentations of peer-reviewed research papers from accepted abstracts.
- **Workshops & Symposiums:** Hands-on training and focused discussions on food science & nutrition.
- **Panel Discussions:** Engaging conversations among experts on emerging challenges & future directions.