



Global Summit on Food Innovation and Nutrition science

March 16-18, 2026, | Barcelona, Spain

Day 1: Breakthroughs in Food Technology & Sustainable Nutrition

Morning Session

- **Opening Ceremony & Welcome Address**
- **Keynote Presentations**
 - "The Future of Food Science: Integrating Cutting-Edge Technology for Global Nutrition Security"
 - "AI & Machine Learning in Food Innovation: Transforming Safety, Quality, and Production Processes"

Midday Session

- **Plenary Talks**
 - "Blockchain for Food Safety: Enhancing Traceability and Transparency in the Global Supply Chain"
 - "Next-Generation Plant-Based and Cultured Meat Technologies: The Future of Protein Consumption"
- **Invited & Featured Talks**
 - "Personalized Nutrition & Precision Diets: Innovations in Data-Driven Health Solutions"
 - "Revolutionizing Food Chemistry: Advanced Preservatives, Flavor Enhancers, and Sustainable Additives"
- **Symposium:** "Digital Transformation in Food Production: Addressing Global Challenges with Smart Technologies"

Afternoon Session

- **Workshop:** "AI Applications in Food Safety & Quality Control: Real-World Implementations"
- **Oral Presentations – Track 1:** Sustainable Food Systems & Alternative Proteins
- **Poster Session & Technology Demonstrations**
- **Panel Discussion:** "Food Safety Regulations: Legal, Ethical & Global Compliance Perspectives"
- **Networking Reception & Welcome Dinner**

Day 2: Emerging Technologies in Food Science & Nutritional Health

Morning Session

- **Keynote Presentations**
 - "Quantum Computing in Food Science: A Paradigm Shift in Research & Analytics"
 - "Food Innovation for Global Health: Addressing Malnutrition, Obesity & Nutritional Deficiencies"

Midday Session

- **Plenary Talks**
 - "IoT and Smart Devices in Food Supply Chain Monitoring: Enhancing Efficiency, Safety & Sustainability"
 - "Advances in Nutrigenomics: Understanding the Genetic Blueprint of Nutrition & Health"
- **Invited & Featured Talks**
 - "Food Forensics: Combatting Fraud, Adulteration & Contaminants in the Global Market"
 - "Microbiome & Gut Health: The Role of Probiotics, Prebiotics, and Fermented Foods in Wellness"
- **Symposium:** *"Predictive Analytics in Food Production: AI, Big Data & Consumer Behavior Trends"*

Afternoon Session

- **Workshop:** "Smart Packaging & Food Waste Reduction: Pioneering Sustainable Solutions"
- **Oral Presentations – Track 2:** Functional Foods & Nutritional Advances
- **Poster Session & Interactive Technology Demonstrations**
- **Panel Discussion:** "AI-Driven Food Innovation: Balancing Ethics, Sustainability & Consumer Trust"
- **Industry Roundtable & Business Networking Session**

Day 3: Future Horizons in Food Innovation & Global Nutrition

Morning Session

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

Midday Session

- **Plenary Talks**
 - "Tackling Global Hunger: The Role of Alternative Proteins & Lab-Grown Foods in Food Security"
 - "Advancements in Food Biotechnology: From CRISPR to Biofortified Crops & Agricultural Innovations"
- **Invited & Featured Talks**
 - "AI-Powered Personalized Diets: Unlocking the Future of Tailored Nutrition"

- "3D-Printed Food: The Intersection of Customizable Nutrition, Texture Science & Sustainability"

Afternoon Session

- **Workshop:** "AI in Food Fraud Detection & Quality Control: Identifying Counterfeit & Unsafe Products"
- **Oral Presentations – Track 3:** Future Food Technologies, Sustainability & AI in Nutrition
- **Closing Panel Discussion:** "The Future of Food Innovation: Key Trends, Disruptions & Opportunities"
- **Best Paper & Poster Awards Ceremony**
- **Conference Closing Remarks & Farewell Networking Reception**

Cutting-Edge Topics for Speaker Sessions

To ensure an insightful and transformative experience, expert speakers will cover:

- **AI & Food Science:** Leveraging AI for Unprecedented Food Safety, Quality Control & Product Innovation
- **Quantum Computing in Food Research:** Accelerating Discoveries in Food Processing & Safety Analysis
- **Future of Personalized Nutrition:** AI & Genetic Mapping for Precision Dietary Planning
- **IoT & Blockchain in Food Supply Chains:** Ensuring Transparency, Authenticity & Waste Reduction
- **Synthetic Biology & Deepfake Food:** Challenges in Identifying Artificially Engineered Consumables
- **Dark Web & Food Fraud:** Investigating Counterfeit Goods & Illicit Trade in the Global Market
- **Automated Food Processing & Robotics:** Revolutionizing Manufacturing & Distribution Channels
- **Big Data & Consumer Preferences:** Predictive Analytics for Smarter, Healthier Food Choices

Conference Format & Speaker Roles

- **Keynote Sessions:** Thought-provoking talks by globally renowned food scientists, innovators & industry pioneers
- **Plenary Talks:** In-depth discussions from top experts shaping the future of food innovation
- **Invited & Featured Talks:** Expert-led presentations highlighting groundbreaking advancements

- **Oral Presentations:** Peer-reviewed research findings from leading academic and industry professionals
- **Workshops & Symposiums:** Hands-on training and specialized discussions on emerging technologies
- **Panel Discussions:** Engaging debates on regulatory, ethical & technological challenges in the food sector