



Biotechnology



FAO Global Agrifood Biotechnologies Conference

Biotechnologies for a Sustainable Future: Driving Agrifood Systems Transformation

LIST OF ACCEPTED BIOTECHNOLOGY ABSTRACT POSTERS: ELECTRONIC DISPLAY SCHEDULE FOR 17 JUNE 2025

📍 FAO ATRIUM

17 June | 08.30 - 11.00

DISPLAY UNIT	SECTOR	POSTER TITLE	CONTACT PERSON	AUTHOR(S)	MAIN ORGANIZATION /INSTITUTION	LOCATION AND COUNTRY
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1	Livestock	Phage Therapy for Salmonella Control and Gut Health in Ducks: A Sustainable Biotech for Healthier Poultry Production	Mingkwan Yingkajorn	Mingkwan Yingkajorn Wattana Pelyuntha Kitiya Vongkamjan	Prince of Songkla University	
2	Livestock	Simplifying Aquaponics: Designing Low-tech, Scalable, and High-Impact Biotech for Rural Development	Kekeli Logoh	Kekeli Logoh	AquaRoots	Togo - Lome
3	Livestock	Predicting Optimal Semen Collection for Sarda Ram Conservation: A Generalizable Machine Learning Approach for Local Breeds	Samia Khnissi	Samia Khnissi Iheb Chaaban Laura Mara Marillia Gallus Hela Chalouati Maria Dattena Sami Fattouch	Institut National de la Recherche Agronomique de Tunisie	Tunisia, Tunis
4	Livestock	Dairy Farming through Digital Biotechnologies: Modelling Income, Sustainability and Resilience through Behavioural Lenses	Sidharth S	B.S. Meena	ICAR-National Dairy Research institute	Karnal, India
5	Livestock	Development of Irradiated Vaccines and Livestock Immunology Techniques at the Joint FAO/IAEA	Richard Kangethe	Richard Thiga Kangethe Chaoying Sun Bo Liu	IAEA	Austria

		Centre of Nuclear Techniques in Food and Agriculture		Carla Bravo-de Rueda Viskam Wijewardana		
6	Forestry	Application of new genomic techniques for the modification of lignocellulosic biomass composition and plant architecture in poplar	Andrea Carra	Paolo Calligar Andrea Carra Giusi Zaina Davide Guerra Gianni Tacconi Chiara Biselli Giuseppe Nervo	Council for Agricultural Research and Economics (CREA)	Italy
7	Nutrition	Food Design Thinking to Overcome Barriers to the Conscious Adoption and Acceptance of Food Biotechnology	Stefania Ruggeri	Stefania Ruggeri Susanna Lelli	CREA - Research Centre for Food and Nutrition	Rome, Italy
8	Nutrition	Detoxified Gluten Proteins for the Formulation of Foods for Special Medical Purposes	Selene Baschieri	Chiara Lico, Daniela Giovannini Roberta Vitali Carla Marusic, Marcello Donini Selene Baschieri	ENEA	Rome, Italy
9	Nutrition	BioMaCO2: a Modular System, Integrating Microbial and Maggot Farming with a Close-loop Biotechnological System	Suhartini Lestari Putri	Naurah, Nadzifah Eko Brasil, Anugroh Cindekia Purba, Wisasa	Wageningen University and Research	Netherlands

10	Nutrition	Advancing Biofortified Food Consumption in Northern Nigeria: Research Agenda from Food and Nutrition Survey Outcome	Kola Matthew Anigo	Kola Matthew Anigo Anthony OKO-ISU Salisu Maiwada Abubakar Olutayo Adeyemi Nuhu Kilishi n Michael Ojo Sunday OKORONKWO Isiaka IBRAHIM Rabiu Aliyu UMAR	University of Abuja	Abuja, Federal capital Territory, Nigeria
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17 June | 11.00 - 14.00

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1	Nutrition	African Orphan Crops Consortium (AOCC): Application of Genomics for Neglected and Underutilized Trees and Crop Species	Alice Muchugi	Prasad S. Hendre Samuel Muthemba Robert Kariba Sunil Kumar Sahu Tong Wei Xun Xu Allen Van Deynze Rita Mumm Ramni Jamnadass Alice Muchugi	CIFOR-ICRAF	Kenya

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2	Nutrition	Biofortification of Lemna minor L. with Iodine: Cultivation Strategies and Nutritional Implications	Giuseppe Di Cuia	Giuseppe Di Cuia Marco Montemurro Angelo Parente Anna Rita Bavaro Francesco Serio Massimiliano D'Imperio	National Research Council - Institute of sciences of food production	Bari, Italy
3	Nutrition	Sustainable Camel Milk Yogurt Production: Utilizing Citrus and Moringa for Coagulation and Nutritional Enhancement.	Poliana Mendes De Souza	Poliana Mendes De Souza	University Mohammed VI Polytechnic	Laayoune, Morocco
4	Nutrition	Enhancement of Microgreens By-products: Novel Ingredients for Health-Promoting Foods	Massimiliano D'Imperio	Massimiliano D'Imperio Giuseppe Di Cuia Marco Montemurro Anna Rita Bavaro Angela Cardinali Isabella D'Antuono Miriana Durante Carlo Mininni Francesco Serio	National Council of Research (CNR), Institute of Sciences of Food Production (ISPA)	Italy
5	Nutrition	Purifae – a sustainable, additive-manufactured bioreactor	Olimpia Wojciechowska	Olimpia Wojciechowska Zuzanna Styrna	Poznan University of Technology	Poznan, Poland

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		for enhanced microalgae biomass production		Adam Grzywaczyk Wojciech Smutek		
6	Nutrition	Moringa oleifera from arid zones: A natural source for dietary supplements with lipid-lowering effects	Hafida Kedaid	Hafida Kedaid Ikram Toumi Abdelkader Adamou Mohamed Kraïmat Alla Eddine Mahamedi Alia Telli	University of Kasdi Merbeh Ouargla Algeria	Algeria
7	Nutrition	Computational and Experimental Approaches for Targeted Release of Functional Peptides in Meat Hydrolysates	Liliya Fedulova	Liliya Fedulova Irina Chernukha Ekaterina Vasilevskaya Ekaterina Polishchuk	V.M. Gorbatov Federal Research Center for Food Systems	Moscow, Russia
8	Food Safety	Impact of PGP Bacteria Inoculation on Maize (Zea mays L.) Growth under Saline Stress	Imane Zouagri	Imane Zouagri Massakib Bekkaye	University of Batna 2	Algeria
9	Food Safety	Warmed Essential Oils Emulsion: A Biotechnological Leap in Poultry Shelf Life Extension	Kheira Gasmi	Kheira Gasmi Zohra Madani, Talal Lahreche Rym N Benamara	Faculty of Natural and Life Sciences, Mustapha Stambouli	Mascara, Algeria

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					University of Mascara	
10	Food Safety	Assessment of salinity tolerance of local barley genotypes (<i>Hordeum vulgare</i> L.) and impact of salicylic acid	Lahouaria Rahma Labtere	Labtere Lahouaria Rahma Amouri Adel Amar Belkhodja Moulay	UNIV ORAN1, Ahmed Ben Bella	Algeria

17 June | 14.00 - 16.30

DISPLAY UNIT	SECTOR	POSTER TITLE	CONTACT PERSON	AUTHOR(S)	MAIN ORGANIZATION /INSTITUTION	LOCATION AND COUNTRY
1	Food Safety	Strengthening the Integrity and Safety of the Processed Seafood Supply Chain through Portable Third-Generation Sequencing	Lucilia Lorusso	Lucilia Lorusso Peter Shum Anna Mottola Stefano Mariani Roberta Piredda Chiara Intermite Lucia Ranieri Angela Di Pinto	University of Bari Aldo Moro	Bari, Italy
2	Food Safety	Pollen DNA Metabarcoding for Honey Authenticity and	Lucia Ranieri	Lucia Ranieri Roberta Piredda	University of Studi of Bari	Bari, Italy

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		Safety: A Preliminary Study		Anna Mottola Lucilia Lorusso Chiara Intermite Angela Di Pinto	Aldo Moro - Department of Veterinary Medicine	
3	Food Safety	Microbial biotechnology for sustainable Agrifood systems: from nutrition to food safety and valorisation of by-products	Flora Valeria Romeo	Flora Valeria Romeo Paola Foti	Council for Agricultural Research and Economics CREA	Italy
4	Food Safety	Influence of Chestnut By-product Phenolic-Rich Extract on the Inhibition of Lipid Oxidation in Fish Products	Itala Marx	Itala Marx Feliciano Priego-Capote Joana T. Martins Fernanda L. Ludtke Jorge M. Vieira João Carlos Gonçalves António A. Vicente	University of Cordoba (UCO)	Córdoba, Spain
5	Food Safety	A Rapid RAA-CRISPR/Cas12a Biosensor for Accurate Authentication of Pacific Oyster (<i>Crassostrea gigas</i>) to Combat Seafood Fraud	Gururaj Moorthy	Gururaj Moorthy Jirakrit Saetang	Prince of Songkla University	Thailand

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6	Food Safety	FAD: A One-Stop Database for Food Allergen Research and Information	Wafa Mokhtari	Wafa Mokhtari Souad Khemili-Talbi Jean Kwasigroch Dimitri Gilis	University Libre de Bruxelles	Belgium
7	Food Safety	SMART SEED BOMBS for climate-resilient food systems	Yajaira Fuertes	Echeverría María Cristina Andrade Diana Fuertes Yajaira	Universidad Técnica del Norte	Provincia de Imbabura, Ecuador
8	Food Safety	Engineered Water Nanostructures (EWNS) Versus Cold Plasma: An Implementable Eggshell Decontamination Strategy in Low-Income Countries	Eunice, Olobatoke	Eunice, Olobatoke Ibrahim Musa, Waziri	Ahmadu Bello University	Kaduna State, Nigeria

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9	Food Safety	Bioconservative Effect of Cotula cinerea Delile on Klila Cheese	Benamara Rym Nouria	Belgharbi Asmaa Meriem Benhamed Kada Ibri Fatima Sahnouni Smail khaled Mirvette Benfréha Benyelles Zemmouri Hadjer Zitouni Sihem	Laboratory of Microbiology Applied to Agri-food, Biomedical and Environment (LAMAABE), Faculty of SNV / STU, University of Tlemcen	Mascara, Algeria
10	Food Safety	Customized Bacteriophage Cocktails to Reduce Salmonella contamination and Antibiotic Use in Poultry Production and Processing	Victor Pabst	Victor Pabst Thamonwan Narkpao Kitiya Vongkamjan	UniFAHS	Bangkok, Thailand

17 June | 16.30 - 19.30

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1	Food Safety	Phage Cocktail as a Potential Antibacterial Agent for Decontaminating <i>Listeria</i> spp. and <i>Listeria monocytogenes</i> in Plant-Based Meat Products	Kitiya Vongkamjan Aurand	Wattana Pelyuntha Haemarat Khongkhai Kitiya Vongkamjan	Kasetsart University, Faculty of Agro-Industry	Thailand
2	Food Safety	Enhancing Microbial Safety of Leafy Greens in Low-Infrastructure Settings: Assessing the Efficacy of Plasma-Activated Water for the Inactivation of <i>Escherichia coli</i> and <i>Salmonella</i> spp. on Lettuce from Informal Markets in Cambodia	Keorimy Ouk	Keorimy Ouk, Rithy Chrun Samnang Nguon Visoth Ly	Royal University of Agriculture	Cambodia
3	Food Safety	Managing Metal-Contaminated Soils for Potato Production and Food Safety	Ana Coelho	Ana Rita Fonseca Coelho Maria Manuela Simões Ana Coelho Marques	NOVA FCT	Caparica, Portugal.

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4	Food Safety	Smart, Portable, Low-cost, And Rapid Microbial Detection Using Oxygen Sensors For Food Safety Monitoring	Elisa Santovito	Valeria Ferraro Mariagrazia Abbasciano Elisa Santovito	National Research Council of Italy, Institute of Sciences of Food Productions (CNR-ISPA)	Bari, Italy
5	Food Safety	Integrated Biochemical and Molecular Characterization of Cyanide levels in Cassava: A Staple Crop for Food Security in Developing Countries	Anoja Kurian	Anoja Kurian Lois Varghese Chirayerinmel V. Ranjith Enarth Maviton Muralidharan	Kristujayanti college Autonomous, Bengaluru	Bengaluru, India
6	Food Safety	Monte Carlo simulation model to describe coagulase-positive Staphylococci growth in mayonnaise served in Algerian pizzerias	Ziane Mohammed	Mohammed Ziane Jeanne-Marie Membré	University of Ain Témouchent	Algeria
7	Food Safety	Development of Antioxidant and Antibacterial biofilms	Sarra Benaissa	Sarra Benaissa Kamal Benmansour	University of AbouBekr Belkaid-Tlemcen	Tlemcen, Algeria

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		based on Chitosan and greenly synthesized nanoparticles for safe food preservations.		Larbi Belyagoubi Sarrah Benaissa		
8	Food Safety	Comprehensive Risk Analysis in Livestock Slaughterhouse Operations: A One Health Perspective	Randa Bazzi	Britt Marianna Maestroni Christina Vlachou	Greater Amman Municipality	Amman, Jordan
9	Food Safety	Advancing Biological Detection Technology for Food Safety Testing with Electrochemical Immunosensors for Mycotoxin Analysis	Britt Maestroni	Britt Marianna Maestroni Christina Vlachou	Joint FAO/IAEA Centre	Seibersdorf, Austria
10	Food Safety	Lactic Acid Bacteria as Natural Antioxidants: Biochemical Properties and Therapeutic Potential	Wafaa Dib	Wafaa Dib Hadria Grar Hanane Gourine Sarrah Abir Zigh Omar Kheroua Samia Addou	University of Science and Technology of Oran Mohamed BOUDIAF, Faculty of Natural and Life	Oran, Algeria

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					Sciences, Department of Biotechnology	



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