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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 18 JUNE 2025

📍 FAO ATRIUM

18 June | 08.30 - 11.00

DISPLAY UNIT	SECTOR	POSTER TITLE	CONTACT PERSON	AUTHOR(S)	MAIN ORGANIZATION /INSTITUTION	LOCATION AND COUNTRY
1	Food Safety	Agro-Waste Upcycling, Green Innovation, and Digital Transformation: Exploring Biotechnologies for Sustainable and Eco-friendly Agrifood Systems	Khaoula Alami	Alami Khaoula Chentouf Mouad Harrak Hasnaâ	National Institute for Agricultural Research (INRA)	Tanger/Al Hoceima, Morocco
2	Food Safety	Evaluation of the action of secondary metabolites of Metarhizium	Narimen Kaidi	Narimen Kaidi Hayet Meamiche-Neddaf Salah Oukil	National Institute of Agronomic Research of Algeria	Algeria

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		anisopliae and of some Algerian medicinal plants for their insecticidal activities against Ceratitis capitata and Schistocerca gregaria				
3	Food Safety	Lactic Fermentation of Green Pepper for Natural Preservation and Sustainable Agro-food Valorization	Charlotte Flavienne Ngo Binya	Charlotte Flavienne Ngo Binya	NAD-FOOD SARL	Littoral Region, Cameroon
4	Food Safety	Towards real-time predictive modelling focusing quality and safety for the Sri Lankan dairy industry	Ambegoda Liyanage Chathudina Janitha Liyanage	Uditha Karunathilake Chathudina J. Liyanage	Sabaragamuwa University of Sri Lanka	Sri Lanka
5	Bioeconomy	Integrating Municipal Wastewater Treatment into Climate-Smart Agricultural Practices	Nayab Raza	Nayab Raza Jon Pittman Giles Johnson Konstantinos Theodoropoulos	The University of Manchester	Manchester, United Kingdom
6	Bioeconomy	Winery Effluent-Grown Microalgae as a Bioadditive for Sustainable Crop Production	Ana Cláudia Coelho	Valter Mateus Valter Ana Gabriela Gomes Ana Cláudia Coelho	Instituto Politécnico de Setúbal	Setúbal, Portugal
7	Bioeconomy	Bridging the Gap: The Relevance of Understanding Consumer Perspectives on Biotechnological Innovation	Jeanette Klink-Lehmann	Jeanette Klink-Lehmann Johannes Simons Milan Tatic Jana Kilimann Monika Hartmann	University of Bonn	Germany
8	Bioeconomy	Anaerobic fermentation of organic fraction of municipal solid waste: sustainable platform for	Roberto Liberti	Roberto Liberti Francesco Todaro Silvia Pascazio Antonio Monteforte Isabella Pisano	Università degli studi di Bari "Aldo Moro"	Italy

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		VFAs production.				
9	Soil microbiome	Metagenomics reveals how traditional potato tillage influences soil microbiome in Peru's highland agricultural systems.	Aura Liz García-Serquén	Aura Liz García-Serquén Lenin Dinitri Chumbe Nolasco	Instituto Nacional de Innovación Agraria	Lima, Peru
10	Soil microbiome	Harnessing native microbial consortia as bioinoculants to improve smallholder farm productivity and soil health in degraded agroecosystems	Riccardo Scotti	Riccardo Scotti Catello Pane Massimo Zaccardelli Boris Basile Aida Raio Loredana Sigillo	CREA, Research Centre for Vegetable and Ornamental Crops	Campania, Italy

18 June | 11.00 - 14.00

DISPLAY UNIT	SECTOR	POSTER TITLE	CONTACT PERSON	AUTHOR(S)	MAIN ORGANIZATION /INSTITUTION	LOCATION AND COUNTRY
1	Soil microbiome	Biotechnological Approaches to Combat Soil Salinity: The Role of PGPR in Sustainable Agriculture	Massakib Bekkaye	Massakib Bekkaye Sabrina Behairi Roumaissa Moulkaf Karima Karaali Samia Issad Nssima Baha Yahia Kaci	USTHB university	Algeria
2	Soil microbiome	Microbial Signatures of Soil Health: A Metagenomic and AI-Based Approach to Sustainable Agriculture.	Roberta Pace	Roberta Pace Angelo Napolitano Antonio Affinito Salvatore Cuomo Maurilia Maria Monti Michelina Ruocco	"University of Naples Federico II" and "Institutue for Sustainable Plant Protection of National Research Council"	Naples, Italy

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3	Soil microbiome	Harnessing Mycorrhizal Associations and Wastewater Reuse for Sustainable Cereal Cultivation in Semi-Arid Environments	Bouchra Debassi	Debassi Bouchra Ghanem Nadra Allaoua Noua Lyazid Mohamed Nadjib Benacherine Mostefa	Department of Nature and Life Sciences, Faculty of Exact Sciences and Nature and Life Sciences, Larbi Ben M'hidi University	Oum El Bouaghi, Algeria.
4	Soil microbiome	The Contribution of Microbial Communities Associated with Climate Smart Brachiaria for Sustainable Environment and Agriculture	Goshu Misganaw	Goshu Misganaw Collins Mutia Sita Ghimire	Hawassa University	Sidama Region, Ethiopia
5	Bioeconomy	BioFairNet: Advancing Circular Bioeconomy and Agrifood System Transformation Through Inclusive Biotechnological Innovation	Asha Khosravi	Pierguiseppe Morone Marina Albanese Asha Khosravi	The Bioeconomy in Transition Research Group at UnitelmaSapienza	Rome, Italy
6	Bioeconomy	Innovation Model in the Agroindustry of Santa Elena (Ecuador) through Artificial Intelligence and the Digital Bioeconomy.	Rolando Calero Mendoza	Rolando Calero Mendoza Erika Salavarria Palma Jaime Orozco Iguasnia	Universidad estatal peninsula de santa elena	Ecuador
7	Bioeconomy	From Waste to Watts: Anaerobic digestion at the nexus of biotechnology, energy and sustainable bioeconomy	Maria Michela Morese	Testa Lorenzo Pirelli Tiziana Vaskalis Ioannis Morese Maria Michela	FAO	Rome, Italy
8	Bioeconomy	Biotechnological Solutions for Protein Malnutrition:	Stuti Pokharel	Stuti Pokharel Bishnu Maya KC	Kathmandu University	Dhulikhel, Nepal

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		Utilizing Wetland Microalgae and Black Soldier Fly Larvae				
9	Bioeconomy	Demonstrating Bioeconomy Potential of Maize Crop Residues	Anju Arora	Ujwal Gowda Sangram Garai Ashish Khandelwal	Indian Agricultural Research Institute, PUSA campus	New Delhi, India
10	Bioeconomy	From Pest to Quest: Biocultural Innovation through the Royal Golden Cocoon of Java (<i>Cricula trifenestrata</i>)	Dolly Wong	Dolly Wong	IUCN CCC	Indonesia

18 June | 14.00 - 16.30

DISPLAY UNIT	SECTOR	POSTER TITLE	CONTACT PERSON	AUTHOR(S)	MAIN ORGANIZATION /INSTITUTION	LOCATION AND COUNTRY
1	Bioeconomy	Computational Annotation of Methanogenic Archaeal Proteomes Reveals Functional Gaps Limiting Metabolic Modeling	Hoa Chu	Dang Khanh Hoa Chu Paula Jouhten	Aalto University	Finland
2	Bioeconomy	Optimization of the synthesis of DL-lactic acid from sugarcane molasses collected in Côte d'Ivoire.	Gerardin Asengo Mabia	Gerardin Asengo Mabia Harinaivo Anderson Andrianisa Esaïe Kouadio Kouassi Lucia Gardossi Kouassi Benjamin Yao	Institut National Polytechnique Felix Houphouët-Boigny	Cote d'Ivoire



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