



**AgroBiotech**

URL-CNRST  
Centre d'Agrobiotechnologie  
& Bioingénierie  
Unité de Recherche labellisée CNRST



# 4<sup>th</sup> International Biotechnology Congress

« Biotechnology Serving Society: rational exploitation of bioresources for sustainable food and medical sovereignty »

**Marrakech, Morocco**  
**November 14 – 17, 2024**

**Second Circular**

**Session I : Impacts of climate change and biotic/abiotic constraints on agriculture and food sovereignty**

**Session II : Medical research and health sovereignty**

**Session III : High-value biomolecules, bio-based products and bioenergy**

## **Submission guidelines**

Participants must send an abstract of their communication. Abstract (one page maximum) must be written in Word “Times” font, size 12, single-space, margins 25, with a title, authors, addresses and 5 keywords maximum. The abstracts will be reviewed by the scientific committee.

**Abstracts submission deadline : September 30, 2024**

**Contact and registration: [biotech2020@usmba.ac.ma](mailto:biotech2020@usmba.ac.ma)**

## INVITED SPEAKERS

### Session I : Impacts of climate change and biotic/abiotic constraints on agriculture and food sovereignty

- **Bouchai Khadari, UMR AGAP Institut, CIRAD Montpellier, France** : Trees Adaptation and Agriculture Resilience in the Mediterranean in the face of global warming: What are the innovations brought by genomic selection.
- **Ahmed El Bakkali : INRA Meknes, Morocco** : How can the diversity of olive genetic resources serve as a response to the challenges of adaptation to climate change? Crossing of approaches for sustainable olive growing of tomorrow.
- **Cherki Ghoulam, AgroBiotech Center, URL-CNRST 05, Cadi Ayyad University, Morocco** : What role for Nitrogen-fixing legumes in the agroecological transition under climate change?

### Session II : Medical research and health sovereignty

- **Mustafa Najimi, Catholic University of Louvain, Belgium**: Biotechnologies for tomorrow's medicine: Stem cells and the treatment of liver diseases.
- **Abdelilah Soussi Gounni, University of Manitoba, Canada** : Control of RSV infection by MMPs-mediated cleavage of RSV-G protein and its receptor CCR3.
- **Mohammed El Mezgueldi, Aston University, Birmingham, United Kingdom** : Pathogenesis of Genetic Cardiomyopathies : a multidisciplinary approach.

### Session III : High-value biomolecules, bio-sourced products and bioenergy

- **Maria Beatrice Coltelli, University of Pisa, Italy** : Renewable, biodegradable, and circular bio-based materials for functional packaging.
- **Oguzhan Gunduz, Marmara University, Istanbul, Turkey** : Innovative 3D Printed PLA-Whey Protein Scaffolds: A Promising Strategy for Enhanced Wound Healing Applications.
- **Khalid Bekkouche, AgroBiotech Center, URL-CNRST 05, Cadi Ayyad University, Marrakech, Morocco** : The Moroccan Solanaceae as a potential source of high-value secondary metabolites

## REGISTRATION FEES

	Maroc Biotech association member (MAD)	Participant from Morocco (MAD)	Participant from abroad (Euro)
Students	600	800	150
Academics and researchers	1000	1500	200
Professionals	1500	2500	300

*Registration fees cover access to the various symposium activities, documents, coffee breaks and lunches.*

## ORGANIZING COMMITTEE

Cherkaoui EL MODAFAR	Cadi Ayyad University, Marrakech
Saâd IBNSOUDA KORAICHI	Sidi Mohamed Ben Abdellah University, Fez
Zainab EL ALAOUI TALIBI	Cadi Ayyad University, Marrakech
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Abdelhamid EL MOUSADIK	Ibn Zohr University, Agadir
Moulay SADIKI	Ibn Zohr University, Agadir

## SCIENTIFIC COMMITTEE

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Maria Beatrice COLTELLI	University of Pisa, Italy
Mohammed EL MEZGUELDI	Aston University, United Kingdom