

***Laboratoire Bioressources et Sécurité Sanitaire des Aliments
Faculté des Sciences et Techniques
Cadi Ayyad University, Marrakech, Morocco***

Organized in collaboration with

*Université de Bourgogne, Dijon, France
Université Moulay Ismail, Errachidia, Morocco
Centre National de la Recherche, Rome, Italy
Agence Nationale des Plantes Aromatiques et Médicinales, Taounat, Morocco
Association Nutrition Méditerranéenne et Santé, France
Association Méditerranéenne de Biogérontologie, France
Société Marocaine d'Immunologie, Morocco
Ambassade de France, Rabat, Morocco
Institut Supérieur des professions Infirmières et techniques de santé, Rabat, Morocco*

The First International Symposium

***Valorization of the Mediterranean Vegetal Biodiversity:
Nutritional, Therapeutic and Biotechnologic Aspects***

FST, Marrakech, Morocco, April 25-26, 2024

Coordinators:

- Jamal Hafid: hfjamal@yahoo.fr
- Adil El Midaoui: adil_elmidaoui@yahoo.ca
- Gérard Lizard: gerard.lizard@u-bourgogne.fr
- Fouad Seghrouchni: fseghrouchni@yahoo.fr

Abstracts

- *Abstracts for oral presentations and flash talks should be sent by E-mail to coordinators within April 12, 2024 (Deadline)*
- *The abstracts of the symposium will be published in the Journal Proceedings (MDPI).*
- *Possibilities to publish further in Plants (MDPI), Special Issue.*
- *Awards for the best oral presentation and flash talk supported by the associations: 'Nutrition, Méditerranéenne et Santé' (NMS, France) and 'Association Méditerranéenne de Biogérontologie' (AMeBio, France)*

DAY1 - April 25, 2024

8h30: Reception of participants

9h00: Welcome

- President of Cadi Ayyad University, Marrakech, Morocco
- Dean of Faculty of Sciences & Techniques, Cadi Ayyad University, Marrakech, Morocco
- Director of Laboratory 'Bioressources et Sécurité Sanitaire des Aliments', Faculty of Sciences & Techniques, Cadi Ayyad University, Marrakech, Morocco
- Director of the National Agency 'Plantes Aromatiques et Médicinales', Taounat, Morocco
- President of the 'Association Nutrition Méditerranéenne et Santé'
- President of the 'Association Méditerranéenne de Biogérontologie'

Session 1: NUTRITIONAL ASPECTS

Keynotes conferences

Moderators:

09h30- 10h00 Pr Em Norbert Latruffe (University of Bourgogne, Dijon, France)
Mediterranean diet and health prevention

10h00-10h20 Dr Dalila Boust (National Agency for Medicinal and Aromatic Plants, Taounat, Morocco)
Phytotherapeutic applications of Moroccan Plants

10h20-10h 40 Dr Gérard Lizard (University of Bourgogne / Inserm, Dijon, France)
Prevention of oxysterol-induced oxiaoptophagy with Mediterranean oils: nutritherapeutic approach of age-related diseases

10h40-11h00: Coffee break

Thematic oral communications

Moderators:

11h00 -11h 15 Dr Denise Campagna (CNR, Roma, Italy)
South-North collaboration for the protection of cultural heritage and plant biodiversity, resources for sustainable development: the Cameroon-Tchad experience

11h15-11h30 Pr Lahlou (UM6SS, Casablanca, Morocco)
Le dilemme toxicité- vertus des plantes médicinales

11h30- 11h 45 Pr Anass Ben Moula (Abdelmalek Essaadi University, Larache, Morocco)
Herbal nutrition supplements enhance egg production parameters in Moroccan Beldi chickens.

11h 45- 12 h45 Free oral communications (Flash talks) – 10 min - (PhD and post-doc students)

13h00-14h30 Lunch

Session 2: THERAPEUTIC AND NUTRACEUTIC ASPECTS

Plenary lectures

Moderators:

- 14h30- 14h50 Pr Giulia Cappelli** (CNR, Roma, Italy)
Pipeline for validation, discovery, exploitation and sustainable production of local plant products. Challenges and Opportunities in phytotherapeutic research.
- 14h50-15h10 Pr A. Badou** (Faculté de médecine et de pharmacie, Casablanca, Maroc)
Vers l'identification de molécules d'origine végétale à activité anti-inflammatoire et/ou anti-tumoral
- 15h10-15h30 Pr Riad El Kebbaj** (Higher Institute of Health Sciences, Hassan 1st University of Settat, Morocco)
Molecular bases of the effects of argan oil on lipid and glucid metabolism and on inflammation
- 15h30-15h50 Pr Adil El Midaoui** (Moulay Ismail University, Errachidia, Morocco)
Beneficial effects of argan oil on metabolic syndrome
- 15h50- 16h10 Pr Abdelhalem Mesfioui** (Ibn Tofail University, Kénitra, Morocco)
Place for animal experimentation in neuropsychiatric disorders and in the identification of treatments based on natural products
- 16h10-16h 30 Pr. Mohamed Seid Abakar Bechir** (Traditional Medicine and Pharmacopoeia; Ministry of Health, N'Djamena, Tchad)
Which future for traditionnal medicine in Tchad : originality, progress and perspectives?

16h30 -16h50 Coffee break

Thematic oral communications

Moderators:

- 16h50-17h05 Dr Hicham El Mostafi** (Ibn Tofail University, Kenitra, Morocco)
Mild stress and interactions with ethanol in young rats: induction of behavioral and biochemical damage and reversion by argan oil
- 17h05-17h20 Dr Hanane Doumar** (Ibn Tofail University, Kenitra, Morocco)
Therapeutic Effects of phenolic extract of Cannabis sativa on Alzheimer-like model in rat
- 17h20-17h35 Dr Farid Khallouki** (Moulay Ismail University, Errachidia, Morocco)
The chemistry of estrogen receptor ligands: phytosteroids and stilbene analogues for the treatment of hormone-dependent breast cancers
- 17h 50-18h10 Dr Hamza Elbouny** (Moulay Ismail University, Errachidia, Morocco)
Phytotherapeutic value and biological activities of Thymus atlanticus.

Free oral communications (Flash talks) – 10 min - (PhD and post-doc students)

Moderators:

- 17h50–18h00** **Brahim Ouahzizi** (Moulay Ismail University, Errachidia, Morocco)
*Characterization and distribution of *Thymus atlanticus* (ball) Roussine; endemic plant of Morocco.*
- 18h10-18h20** **Ranya Hajjami** (Moulay Ismail University, Errachidia, Morocco).
Optimal conditions for thyme propagation
- 18h20-18h30** **Abdelbasset Chafik** (Higher School of Technology of El Kelâa des Sraghna, Bioresources and Food Safety Laboratory, Faculty of Sciences and Techniques Cadi Ayyad University)
*Characterization of acid phosphatase from cladodes of cactus (*Opuntia megacantha* Salm-Dyck)*
- 18h30-18h40** **Abdelkader Biary** (Bioresources and Food Safety Laboratory, Faculty of Sciences and Techniques Cadi Ayyad University)
*Activity of essential oils on *Anisakis simplex* larvae*
- 18h 0-18h50.** **Halima Nouhi** (Bioresources and Food Safety Laboratory, Faculty of Sciences and Techniques Cadi Ayyad University)
*In vitro activity of cinnamon (*Cinnamomum zeylanicum* Blume) powder on the viability of *Anisakis simplex* larvae.*
- 18h50-19h00** **Amine Azzane** (Moulay Ismail University, Errachidia, Morocco)
*Involvement of Nitric Oxide pathways and NO-cyclic guanosine monophosphate in vasorelaxant effect induced by *Salvia aucheri* in rat aortic rings*

DAY2

Session 3: BIOTECHNOLOGIC AND SOCIETAL ASPECTS

Keynotes conferences

Moderators:

8h30-8h50 Dr Fouad Seghrouchni (Rabat, Morocco)

Principes de la cytométrie en flux et applications en biologie et en médecine

8h50-9h10 Dr Claude Lambert (St Etienne, France)

Flow cytometry in exploring nutrition effects on immunity

9h10-9h30 Dr El Mostafa Karym (Higher Institute of Health Sciences, Hassan 1st University of Settat, Morocco)

Application des nanotechnologies à la valorization de la biodiversité végétale marocaine

9h30-9h50 Dr Brice Ongali (University of the Health Sciences, Libreville, Gabon)

Obesity in the student environment: the impact of poor eating habits.

9h50–10h20 Mohamed Annachate (Président Co-Fondateur de L'Association Franche Comté Boussole Environnement, membre du Réseau BFC-International Acteurs de La Coopération et Solidarité Internationale Bourgogne-Franche Comté, Consultant Qualité Sécurité Environnement, Besançon, France)

Présentation des Plantes médicinales et des structures de production de la Région de Demnate du Géo-Parc M'GOUN- UNESCO (Identifications, soins et effets secondaires)

10h20–10h45 Coffee break

10h45-12h45 Free oral communications (Flash talks) – 10 min - (PhD and post-doc students)

12h45-13h15 Awards ceremony

Students and Post-doctoral students (Best oral communication and flask talk awards)