

Vendredi 18 octobre 2019 (Matin)	
Session 3 : Environnement, dépollution et assainissement	
Modérateurs : <i>Mohammed EL HASSOUNI / Mohammed BAKKALI</i>	
Rapporteurs : <i>Abdelhay ARAKRAK</i>	
08h30-09h00	Conférence thématique 7 : <i>Colonization kinetics and implantation follow up of the domestic wastewater microbiome using 16S and 18S rRNA NGS technology, Pr. Abdelghani SGHIR (France)</i>
09h00-09h30	Conférence thématique 8 : <i>Utilization of olive polyphenols from olive mill waste as novel antimicrobials, antioxidants and prebiotics for foods and nutraceuticals, Dr. Ioannis GIAVASIS (Grèce)</i>
9h30-9h45	<b>Chouhra Talbi.</b> Global gene expression of <i>Rhizobium etli</i> cbb3++ strain in symbiosis with common bean under drought conditions
9h45-10h00	<b>Houda Zouagui.</b> Genome and pan-genome analysis of Illumina Miseq sequencing data of the complete genome of bacteria isolated from the desert of Merzouga: Example of <i>Enterobacter hormaechei</i> MDMC82
10h00-10h15	<b>Taoufik Belechheb.</b> Isolation and characterization of rhizobia nodulating <i>Lotus creticus</i> in the North West of Morocco
10h15-10h30	<b>Jaouad Anissi.</b> Modeling the ecological networks of <i>Streptomyces spp</i> communities
10h30-11h00	Pause-café et session Posters
11h00-11h30	Conférence thématique 9. <i>A bioremediation towards the rehabilitation of mining sites : potential role of plant associated bacteria, Pr Laila SBABOU (Maroc)</i>
11h30-11h45	<b>Salwa Harzalli Jebara.</b> Advances in the application of legumes inoculated by plant growth-promoting rhizobacteria in biofertilization and phytoremediation of heavy metal contaminated soil
11h45-12h00	<b>Anas Rklami.</b> Mitigation of heavy metals and oxidative stress in <i>Medicago sativa</i> by inoculation with rhizobacteria
12h00-12h15	<b>Meryem Bennis.</b> Isolation and characterization of PGPRs present in the rhizosphere of <i>Retama monosperma</i> in a contaminated region with lead (Touissit)
12h15-12h30	<b>Mohammed Idballa.</b> Seed-associated endophytic fungi effect in the plant's response to leaf litter phytotoxicity
12h30-14h00	Déjeuner

Vendredi 18 Octobre 2019 (Après-midi)	
Session 4 : Applications et Innovation	
Modérateurs : <i>Laila SBABOU / Saâd IBN SOUDA KORAICHI</i>	
Rapporteurs : <i>Jaouad ANNISSI</i>	
14h00-14h30	Conférence thématique 10 : <i>Development of a range microbial screening tests for antibiotic and sulphonamide residues detection in foods, Pr. Raphael Tomas PAGAN (Espagne)</i>
14h30-15h00	Conférence thématique 11 : <i>Effect of N-fertilization on nitrous oxide emission and microbial diversity in cultivated soils, Pr. Eulogio BEDMAR (Espagne)</i>
15h00-15h15	<b>Amina Tassist.</b> Development of an alternative method for the pre-selective detection of antibiotic residues in meats
15h15-15h30	<b>Mouna Aouine.</b> Comparison between free cells and immobilized cells of <i>Pichia kudriavzevii</i> in ethanol production from chickpea straw
15h30-15h45	<b>Abdelkrim Souhir.</b> Harnessing of a novel multifunctional biofertilizer for sustainable agriculture and rehabilitation of mine tailings and metal polluted soils
15h45-16h00	<b>Youssra Messaoudi.</b> Effects of halophilic bacterial extracts on modulating memory deficits, anxiety, depression, and oxidative stress biomarkers in methionine-induced mice models of schizophrenia
16h00-16h30	Pause-café et session Posters
16h30-17h00	Conférence thématique 12 : <i>Bioadhesion of microorganisms to inert materials. Physicochemical interfaces and designs of non-adhesive materials. Pr Hassan LATRACHE (Maroc)</i>
17h00-17h15	<b>Kaoutar El Fazazi.</b> Investigation on the efficiency of commercial sanitizers against adhesion ability of <i>Salmonella Kentucky</i> and <i>Escherichia coli</i> strains isolated from food processing industries
17h15-17h30	<b>Mourad El Gouli.</b> Effect of water type and surface properties of glass and PVC on the adhesion of <i>Pseudomonas aeruginosa</i> ATCC27853 under dynamic conditions
17h30-17h45	<b>Hajar Koubali.</b> Evaluation of the adhesion of <i>Staphylococcus aureus</i> ATCC 25923 on the polystyrene treated with 3 different surfactants
17h45-18h00	<b>Mohammed Aitboulahsen.</b> Fish-gelatin/pectin-based film incorporated with essential oils: functional characteristics and shelf life extension of tilapia slices under refrigeration
18h00-19h00	Débat – Clôture

**L'ASSOCIATION MAROCAINE DE MICROBIOLOGIE  
&  
L'UNIVERSITÉ AL AKHAWAYN**



Organisent le

**5<sup>ème</sup>**



**Congrès international de l'Association  
Marocaine de Microbiologie - AMM -**

**Biotechnologies microbiennes et opportunités  
de développement socio-économique**

[congresbiomiods@gmail.com](mailto:congresbiomiods@gmail.com)

Web site: [www.amm.ma](http://www.amm.ma)

**16 – 18 octobre 2019**

**Centre de conférences de l'AUI  
Ifrane - Maroc**



Mercredi 16 Octobre 2019 (Après-midi)	
<b>Session inaugurale</b>	
Modérateur : <i>Abdelkarim FILALI-MALTOUF</i> / Rapporteur : <i>Khalid SENDIDE</i>	
12h00-15h00	Accueil des participants et inscriptions
15h00-16h00	<p><b>Mot d'ouverture et allocutions officielles</b></p> <ul style="list-style-type: none"> <li>• <b>M. Saaïd AMZAZI</b>, Ministre de l'Éducation Nationale, de la Formation Professionnelle, de l'Enseignement Supérieur et de la Recherche Scientifique</li> <li>• <b>M. Abdelhamid EL MAZID</b>, Gouverneur de la Province d'Ifrane</li> <li>• <b>M. Omar FASSI-FEHRI</b>, Secrétaire Perpétuel de l'Académie Hassan II des Sciences et Techniques</li> <li>• <b>M. Mohammed RHACHI</b>, Président de l'Université Mohammed V</li> <li>• <b>M. Redouane MRABET</b>, Président de l'Université Sidi Mohammed Ben Abdallah</li> <li>• <b>M. Hassan SAHBI</b>, Président de l'Université Moulay Ismail</li> <li>• <b>M. Mohammed ERRAMI</b>, Président de l'Université Abdelmalek Essaâdi</li> <li>• <b>M. Driss OUAOUICHA</b>, Président de l'Université Al Akhawayn</li> <li>• <b>M. Mohamed KHALFAOUI</b>, Directeur du CNRST</li> <li>• <b>M. Abdelkarim FILALI-MALTOUF</b>, Président de l'AMM</li> </ul>
16h00-16h45	<b>Conférence Inaugurale.</b> <i>Les biotechnologies au Maroc, quels opprtunités pour le développment socio-économique du Pays</i> , Pr Albert SASSON (Maroc).
16h45-17h15	<b>Conférence plénière :</b> <i>Diversité des Archaea et Bacteria des environnements océaniques profonds : adaptation aux conditions extrêmes et potentiels biotechnologiques</i> , Pr Mohamed JEBBAR (France)
17h15-17h45	Débat
17h45-18h30	Cocktail de bienvenue

Jeudi 17 Octobre 2019 (Matin)	
<b>Session 1 : Santé et Maladies Emergentes</b>	
Modérateurs : <i>Meriem KHYATTI / Mohammed EL MZIBRI</i>	
Rapporteurs : <i>Mohamed IRAQUI-HOUSSAINI</i>	
08h30-09h00	<b>Conférence thématique 1 :</b> <i>Emergence and spread of epidemic Mycobacterium tuberculosis strains : clues from phylogenomics of the pathogene and human history</i> , Pr Igor MOKROUSOV (Russie)
09h00-09h30	<b>Conférence thématique 2 :</b> <i>Laboratory tools for epidemiological studies on virus-induced cancers</i> , Dr. Tarik GHEIT (France)
9h30-9h45	<b>Amal Oudghiri.</b> Genetic diversity of multi-and pre-extensively drug resistant strains of <i>Mycobacterium tuberculosis</i> from high prevalence tuberculosis city in Morocco
9h45-10h00	<b>Idrissa Diawara.</b> Whole-genome sequence (wgs) analysis of highly virulent <i>Streptococcus pneumoniae</i> serotype 1 in Casablanca, Morocco
10h00-10h15	<b>Amina Ghibid.</b> Pre and post-treatment circulating Epstein-barr virus DNA level in the monitoring of nasopharyngeal carcinoma in Morocco
10h15-10h30	<b>Ilham Dilagui.</b> OXA-48-like producing enterobacterales: phenotypic and immuno-chromatographic characterization in Mohammed VI UHC, Marrakech, Morocco
10h30-11h00	<b>Pause-café et session Posters</b>
11h00-11h30	<b>Conférence thématique 3:</b> <i>Enterobacteriaceae producing carbapenemases at Mohammed VI University Hospital in Oujda</i> , Pr Adil Maleb (Maroc)
11h30-11h45	<b>Kamar Amensag.</b> Activity of Nizin and Pediocin PA-1 alone and their combination with antibiotic against <i>Staphylococcus aureus</i> and <i>Acinetobacter baumannii</i> multiresistant to antibiotic
11h45-12h00	<b>Kaotar Nayme.</b> Comparative study on prevalence and association of some virulence factors with extended spectrum beta-lactamases and ampc producing <i>Escherichia coli</i> isolates from poultry meat
12h00-12h15	<b>Imane Nait Irhal.</b> The antibacterial and antioxidant activity of six essential Oils to multidrug resistant bacterial strains isolated from patients in Hospital University
12h15-12h30	<b>Ghita Essoudy Moury.</b> Microbiological monitoring of the technical environment in a biomedical laboratory: case of a laboratory in Morocco
12h30-14h00	<b>Déjeuner</b>

Jeudi 17 Octobre 2019 (Après-midi)	
<b>Session 2 : Microbiologie alimentaire et Agro-ressources</b>	
Modérateurs : <i>Amin LAGLAOUI / Abdelghani ELASLI</i>	
Rapporteurs : <i>Mounir HASSANI ZERROUK</i>	
14h00-14h30	<b>Conférence thématique 4 :</b> <i>Used of starter cultures in dry sausage production</i> , Pr Inmaculada FRANCO MATILLAS (Espagne)
14h30-15h00	<b>Conférence thématique 5 :</b> <i>Red meat safety strategies based on bioactive molecules</i> , Pr. Djamel DJENANE (Algérie)
15h00-15h15	<b>Hanane Bakrim.</b> Evaluation of Bio efficacy of <i>Inula viscosa</i> and <i>Lavandula pedunculata</i> plant extracts against food borne pathogens: A potential application in the prevention of food spoilage
15h15-15h30	<b>Mounir Majid.</b> Selection and use of indigenous Yeasts and Lactic Acid Bacteria as mixed starter cultures for traditional bread preparation
15h30-15h45	<b>Yahya Rokni.</b> Esterase activity of <i>Lactobacillus plantarum</i> fso1 and <i>Candida pelliculosa</i> 118 isolated from fermenting moroccan green olive
15h45-16h00	<b>Abdel-Ilah Tahiri.</b> Effects of PGPR bacteria, arbuscular mycorrhizal fungi (amf) and compost on plant growth, yield biochemical parameters of leek ( <i>Allium ampeloprasum</i> var. <i>porrum</i> L.) and soil fertility: field trial
16h00-16h30	<b>Pause-café et session Posters</b>
16h30-17h00	<b>Conférence thématique 6:</b> <i>Agricultural potential of Moroccan actinobacteria : plant protection and improvment</i> , Pr Mustapha BARAKATE (Maroc)
17h00-17h15	<b>Ouïam El Galliou.</b> Production, purification, stability and efficacy of bacteriocin from Lactic Acid Bacteria isolated from Moroccan fermented food
17h15-17h30	<b>Douae Cherkaoui.</b> Evaluation of antibacterial activity of bacteriocins produced by probiotic strains isolated from traditional "Jben" cheese and traditional "Lben" fermented milk 3
17h30-17h45	<b>Ikram Mercha.</b> Antioxidant potential of fermented camel milk using autochthonous interactive lactic acid bacteria isolated from a Moroccan argane biotope
17h45-18h00	<b>Soukaina Soufiani.</b> Physicochemical characterization of lactic acid bacteria used as a starter culture in the olive fermentation process
	<b>Diner Gala</b>