



ATEM INTERNATIONAL CONFERENCE

MICROBIAL DIVERSITY: CHALLENGES AND APPLICATIONS

Friday November, 1st, 2013

10h00 – 12h30 Registration

12h30 – 13h30 Lunch

14h00 – 14h20 Welcome introduction and Conference opening: PROF. Abdellatif Boudabous, University of Tunis El Manar

14h20 – 15h00 **Plenary Lecture:** Paratransgenic Strategies to Control Neglected Tropical Diseases. Ravi Durvasula, University of New Mexico (USA)

15h00 – 19h25 **Session I: Microbial diversity and Phylogenesis**

15h00 – 15h30 **Keynote Lecture 1:** Microbial ecology of environmental gradients: from synthetic ecology to microbial resource management. Daniele Daffonchio, University of Milan (Italy)

15h30 – 18h25 Selected lectures session I

15h30 – 15h45 **Afef Najjari:** Archaeal community profile from arid saline systems of Southern Tunisia.

15h45 – 16h00 **Ibtissem Ben Salem:** *Monosporascus eutypoides*, a cause of root rot and vine decline in Tunisia, and evidence that *M. cannonballus* and *M. eutypoides* are distinct species.

16h00 – 16h15 **Soumaya Messaoudi:** Computational pipeline for prokaryotic genomic analysis: application on bacteria producing sulfated exopolysaccharides.

16h15 – 16h35 Coffee break

16h35 – 17h05 **Keynote Lecture 2:** Bacterial diversity in a complex biological process: the pine wilt disease. António Correia, University of Aveiro (Portugal)

17h05 – 17h25 **Andre Chouankan:** Microbial community level physiological profiling using Biolog Phenotype Microarrays (PM) technology. Biolog Company, USA

17h25 – 17h40 **Asma Soussi:** Phylogenetic and morphological diversity of *Cyanobacteria* from extreme environments in Tunisia.

17h40 – 17h55 **Akila Berraf-Tebbal:** Molecular and morphological characterization of *Phaeoemoniella* isolates associated with eutypa dieback and esca of grapevine in Algeria.

17h55 – 18h10 **Amani Ayari:** Soil fungal diversity in Sebkhah El-Melah in southern Tunisia

18h10 – 18h25 **Faten Nagueche:** Anammox bacterial population associated to treatment plant system in Tunisia

18h25 – 19h25 Poster Sessions I and II

20h00 Dinner

Saturday November, 2nd, 2013

09h00 – 13h00 **Session II: Bioremediation, Biodeterioration, Biosorption**

09h00 – 09h30 **Keynote Lecture 3:** Fungal diversity: biodegradation, bioremediation and other biotechnological applications. María Jesús Martínez, Centro de Investigaciones Biológicas (Spain)

09h30 – 12h00 Selected lectures session II

09h30 – 09h45 **Simone Cappello:** Dynamic of structure, function and efficiency of marine microbial community during *in situ* recovery of oil polluted anoxic sediments.

09h45 – 10h00 **Mouna Mahjoubi:** Study of the microbial community changes, in petroleum contaminated sediments during hydrocarbons degradation.

10h00 – 10h15 **Tahar Mechichi:** Wood degrading fungi isolated in Tunisia: Phylogenetic diversity and environmental application.

10h15 – 10h45 *Coffee break*

- 10h45 – 11h00 **Atef Jaouani:** White rot fungi laccases: solid state cultivation, immobilization and bioremediation applications
- 11h00 – 11h15 **Claudio Ruggeri:** Characterization of bacterioplankton communities in tourist ports in the Mediterranean Sea Basin.
- 11h15 – 11h30 **Hanen Ben Ayed:** Characterization and stability of biosurfactant produced by *Bacillus mojavensis* A21 and its application in enhancing solubility of hydrocarbon.
- 11h30 – 11h45 **Asma M, Aloraibi:** Biodegradation efficiency of *Bacillus sp* isolated from oil contaminated soil in Libya.
- 11h45 – 12h00 **Raja Rezgui:** Optimization of biosurfactant production by *Bacillus Stearothermophilus* using experimental design

12h00– 13h00 Poster session III and IV

13h00 – 14h00 *Lunch*

14h00 – 19h05 **Session III: Microbial interaction and symbiosis**

- 14h00 – 14h30 **Keynote Lecture 4: Role of *Glutinosa defensis* in the Actinorhizial symbiosis. Philippe Normand, University of Lyon (France)**
- 14h30 – 16h15 **Selected lectures session III**
- 14h30 – 14h45 **Elhafid Nabti:** Improvement of barley shoot by using of some plant growth promoting bacteria isolated from Algerian salt-affected soil.
- 14h45 – 15h00 **Manel Mechmeche:** Effect of *Lactobacillus plantarum* application on phytochemical composition; antioxidant capacity and microbiological quality of dried tomatoes
- 15h00 – 15h15 **Hafiz Naeem Asghar:** Integrated effect of phosphate solubilizing bacteria and poultry manure on growth and yield of mung bean (*Vigna radiata* L.).
- 15h15 – 15h30 **Zahir Ahmad Zahir:** Cooperation between PGPR containing ACC-deaminase and *Rhizobium spp.* for sustainable production of legumes.
- 15h30 – 15h45 **Wael FRAIHI:** Bacterial microflora from the midgut of *Phlebotomus perniciosus*, vector of zoonotic visceral leishmaniasis in North Africa. First step to develop a new strategy to control *Leshmaniasis* transmission.
- 15h45-16h00 **Raoudha Ferjani:** Plant growth promoting rhizobacteria associated to date palm tree (*Phoenix dactylifera*): Screening of PGP traits, tolerance to abiotic stress and efficient roots colonization.
- 16h00-16h15 **Sofiene Ghorbel:** HTLV-I p30: a versatile protein modulating virus replication and pathogenesis.

16h15 – 16h35 *Coffee break*

- 16h35 – 17h05 **Keynote Lecture 5: The bacterial resistome and mobilome. Evolution and implications in public health. Carmen Torres, University of La Rioja (Spain)**
- 17h05 – 19h05 **Selected lectures session III**
- 17h05 – 17h20 **Rym Ben Sallem:** Characterization of plasmids encoding CTX-M-1 and CMY-2 enzymes in *Escherichia coli* recovered from healthy humans and animals in Tunisia.
- 17h20 – 17h35 **Haythem Gharsa:** Carriage rate, Genetic lineages, methicillin resistance and virulence factors of *Staphylococcus intermedius*-group isolates from nasal samples of healthy donkey destined to consumption in Tunisia
- 17h35 – 17h50 **Khaoula Ayari:** Dissemination of clonally related *escherichia coli* strains expressing extended spectrum- β -lactamase CTX-M-15
- 17h50 – 18h05 **Raoudha Dizri:** First outbreak of vancomycin resistant enterococci in a Tunisian hospital and environmental detection of *vanA*-containing isolates
- 18h05 – 18h20 **Leila Soufi:** Characterization of Class 1 Integron gene cassette Pc Promoter variants and molecular typing of *Escherichia coli* isolated from poultry meat
- 18h20 – 18h35 **Amel Guesmi:** High prevalence of natural antibiotic resistance among sporeforming bacteria inhabiting arid saline systems in Tunisian Sahara
- 18h35 – 18h50 **Amel Bourouis:** SHV-128, a novel SHV-type β -lactamase variant in a clinical isolate of *Enterobacter cloacae*
- 18h50 – 19h05 **Hela Chihi:** The role of insertion sequence: ISAbal, in Crabapenem resistance in *Acinetobacter baumannii* clinical isolates

20h30 Gala Dinner at Sheharazed Restaurant, Hammamet

Sunday November, 3rd, 2013

09h00 – 10h30 Session III: Microbial interaction and symbiosis

09h00 – 09h30 **Keynote Lecture 6: Novel subclass of a Group B1 metallo- β -lactamase, TMB-1, in *Achromobacter xylosoxidans* from Tripoli, Libya. Alah El Salabi, University of Benghazi (Libya)**

09h30 – 10h30 Selected lectures session III

09h30 – 09h45 **Zaynab A. Khalil:** Isolation and identification of nosocomial multi-drug resistant Gram-negative bacteria from Benghazi hospitals.

09h45 – 10h00 **Ghassan Tayh:** Antimicrobial susceptibility of bacterial isolates from burn units in Gaza strip, Palestine

10h00 – 10h15 **Asma S. Eiramli:** Nosocomial blood stream infections caused by bacteria in adult patients admitted to Jamhoryia hospital, Benghazi, Libya

10h15 – 10h30 **Muna Mohammed Buzayan:** Detection of ESBL and AmpC β -lactamases producing in uropathogen *Escherichia coli* isolates at Benghazi Center of Infectious Diseases and Immunity

10h30 – 10h50 Coffee break

10h50- 12h20 Session IV: Microbial cell factory

10h50 – 11h20 **Keynote Lecture 7: Extremozymes: which relevance for the industry? Noura Raddadi, University of Bologna (Italy)**

11h20 – 12h20 Selected lectures session IV

11h20 – 11h35 **Noomen Hmidet:** Biological activities of *Pseudomonas stutzeri* AS22 exopolysaccharide

11h35 – 11h50 **Hana Maalej:** Production and biochemical characterization of a high maltotetraose (G4) producing amylase from *Pseudomonas stutzeri* AS22

11h50 – 12:05 **Imene Fhoula:** In vitro evaluation of potential probiotic *Weissella* species isolated from different origins.

12h05 – 12h20 **Khaoula Setti:** Growth of *Lactococcus lactis* on fenugreek protein fractions and improvement of peptides antioxidant activity.

12h20 – 12h45 General remarks and Conference closure

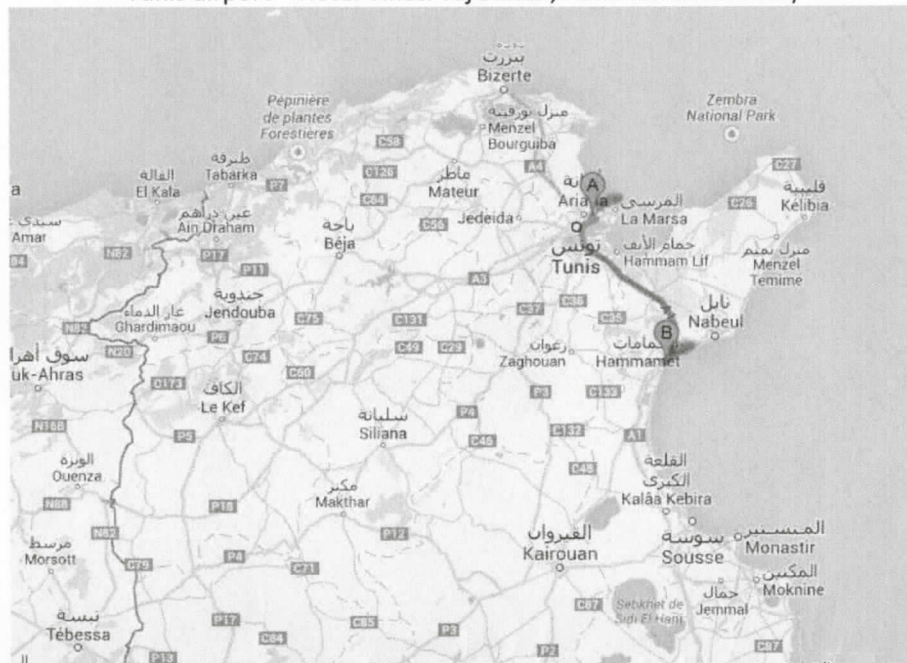
13h00 – 14h00 Lunch

14h00 Departure

CONFERENCE DATES AND VENUE:

1-3 November 2013, Tej Soltane Hotel, Hammamet, Tunisia

Tunis airport – Hotel Vincci Taj Sultan, Hammamet itinerary



Link in Google Map <http://goo.gl/maps/fo0JG>