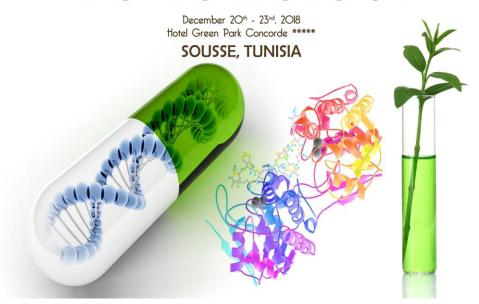


THE 17TH INTERNATIONAL DAYS OF BIOTECHNOLOGY



SCIENTIFIC PROGRAM

| Thursday 20/12/2018 | | | | | | | |
|---------------------|--|------------------------------------|---|--|--|--|--|
| 9h00-14h30 | | Registration | | | | | |
| 14h30 | | Opening Ceremony | | | | | |
| | | Plenary conference 1 (15h00-15h45) | | | | | |
| 15h00 | Chairmen: Pr. Ridha Mhamdi & Pr. Samir Bejar | | | | | | |
| 15h00 C | | Pr. Chedly Abdelly | National Agency for the Promotion of Scientific Research: Interfacing structure for the reinforcement of the interactions between research and the socio-economic environment | | | | |
| | | | Plenary conference 2 (15h45-16h15) | | | | |
| 15h45 | | (| Chairmen: Pr. Slim Tounsi & Pr. Chedly Abdelly | | | | |
| | Cf2: Pr | . Souad Rouis | How can technology transfer from lab to market push companies for open innovation? | | | | |
| 16h15-16h35 | | | Tea & Coffee Breaks | | | | |
| | Room 1: Health Biotechnology 16h35-17h55: 5 Oral communications (HBO1-HBO5) | | | | | | |
| | (| Chairmen : Pr. A | Ahlem Amouri & Pr. Balkiss Bouhaouala-Zahar | | | | |
| 16h35-16h55 | Tc1- HBO1 | Lilia Romdhane | A population-based study of copy number variation in healthy Tunisian individuals | | | | |
| 16h55-17h10 | HBO2 | Héla Gargouri | High Throughput Analysis for Processed Meat Species Authentication | | | | |
| 17h10-17h25 | НВО3 | Manel Debabza | Prevalence and characterization of carbapenemase producing Enterobacteriaceae isolated from poultry meat | | | | |
| 17h25-17h40 | HBO4 | Faten Makki Rmida | Beyond the standard, a Y-chromosome markers rearrangement increases their forensic relevance using Shannon Entropy Approach | | | | |
| 17h40-17h55 | HBO5 Fatma Abdmouleh | | Synthesis, characterization and biological evaluation of new PEGylated triarylmethanes | | | | |
| | Room 2: Industrial Biotechnology 16h35-17h55: 5 Oral communications (IBO1-5) | | | | | | |
| | | Chairmen : Pi | r. Karima Belguith & Dr. Aida Hmida Sayari | | | | |
| 16h35-16h55 | Tc1- IBO1 | Sami Mnif | Novel Strategy to combat <i>Macrococcus caseolyticus</i> biofilm colonization in dairy processing lines | | | | |
| 16h55-17h10 | IBO2 | Yousra Ben Salah | Effect of the combination MAP fertilizer / Bacillus amyloliquefaciens strain C2 on the physiological state and the protection of tomato against Verticillium wilt | | | | |
| 17h10-17h25 | IBO3 | Asma Laouar | Physicochemical and microbiological characterization of two varieties of dates "Hmira and Feggous", of the commune Abadela wilaya of Bechar and test of alcohol production | | | | |
| 17h25-17h40 | IBO4 | Maryam Soudani | Abitotic factors affecting the larvicidal activity of the <i>Bacillus</i> thuringiensis InhA1 metalloprotease against the Lepidopteran pest Ephestiakuhniella | | | | |
| 17h40-17h55 | IBO5 | Imen Zaghbib | Thermal stability of natural actomyosin extracted from sardine (Sardina pilchardus) muscle affects reactivity to cross-linking by microbial and | | | | |

| | | | sardine transglutaminases | | | |
|---------------|---|-------------------|---|--|--|--|
| | Room 3: Bioactive Molecules 16h35-17h55: 5 Oral communications (BMO1-BMO5) | | | | | |
| | | Chairme | n : Pr. Adel Sayari & Dr. Kaïs Jamoussi | | | |
| 16h35-16h55 | Tc1- BMO1 | Mourad Jridi | Investigation of the physicochemical and antioxidant properties of gelatin edible film mixed with blood orange (Citrus sinensis) peels extract | | | |
| 16h55-17h10 | ВМО2 | Najeh Krayem | Anti-tumor effect of native and recombinant phospholipases A2 from Scorpio maurus venom glands | | | |
| 17h10-17h25 | ВМО3 | Ahlem Eddehech | Expression, purification and biochemical characterization of a lipase from Serratia sp. W3 Tunisian cultivar | | | |
| 17h25-17h40 | BMO4 | Marwa Jardak | Chemical composition, antibacterial and antibiofilm activities of selected essential oils against <i>Staphylococcus epidermidis</i> biofilm | | | |
| 17h40-17h55 | BMO5 | Nawel Jemil | Effect of lipopeptides from <i>Bacillus methylotrophicus</i> DCS1 strain on the stability of sunflower oil in water emulsion and on the conservation of raw beef patties quality during chilled storage | | | |
| 171 55 101 55 | Poster display & start of discussion (17h55-18h55) | | | | | |
| 17h55-18h55 | HBP1-34 | | Health Biotechnology | | | |
| | IBP1-21 Industrial Biotechnology | | | | | |
| 20h00 | Dinner | | | | | |

| Friday Morning 21/12/2018 | | | | | | | |
|---|---|--|--|--|--|--|--|
| | Plenary conference 3 (8h30-9h10) | | | | | | |
| 08h30 | | Chairmen : Pr. Ezio Ricca & Pr. Balkiss Bouhaouala-Zahar | | | | | |
| | Cf3: Pr. I Tonel | | J. Precision Medicine in the Era of "Big Data" Genetics | | | | |
| | | | | Plenary conference 4 (9h10-9h50) | | | |
| 09h10 | Cf4: | D. | Ch | airmen: Pr. Adel Sayari & Pr. Hafedh Belguith | | | |
| | Massim Perdu | iliano | Redefining the specificity of a human protein: the plasma retinol-binding protein case | | | | |
| | | Oh | | doom 1: Health Biotechnology | | | |
| | | 9n: | 50-10n55: | 4 Oral communications (HBO6-HBO9) | | | |
| | C | hairmer | ı: Pr. Pete | er J. Tonellato & Pr. Pr. Massimiliano Perduca | | | |
| 9h50-10h10 | Тс2- НВО6 | | ne El- tar Drici | Effect of polymorphisms in pro-inflammatory cytokine genes in carcinogenesis of gastric mucosa infected with <i>Helicobacter pylori</i> | | | |
| 10h10-10h25 | НВО7 | Imene Namouchi | | HLA-Class II gene polymorphism in Colorectal Cancer | | | |
| 10h25-10h40 | HBO8 | Sinda Bedoui | | Implication of interleukin-17A variants in colorectal cancer susceptibility | | | |
| 10h40-10h55 | НВО9 | Imen Tayachi | | Application of the Immunomagnetic Separation (IMS) technique prior, the qPCR in <i>Cutaneous Leishmaniasis</i> Diagnosis | | | |
| 11h10-11h30 | | | | Tea & Coffee Breaks | | | |
| Room 1: Health Biotechnology 11h30-12h50: 5 Oral communications (HBO10-HBO14) | | | | | | | |
| Chairmen: Pr. Boutheina Mardassi & Pr. Amine Drici | | | | | | | |
| 11h30-11h50 | Тс3- НВО10 | | nmel nrradi | Effects of subchronically dietary supplemented high dosing grape seed powder (GSP) in healthy Wistar rat brain | | | |
| 11h50-12h05 | НВО11 | Amira Bergal | | Streptococcus agalactiae: antibiotic susceptibility and genotypic characterization of clinical strains isolated from Guelma, Algeria and Marseille, France | | | |
| 12h05-12h20 | НВО12 | Nesrine Sallem | | Faecal carriage of CTX-M-producing <i>Enterobacteriaceae</i> in Tunisian communities | | | |
| 12h20-12h35 | НВО13 | Almahdi Chakroun | | The role of Otx2 transcription factor in the control of the proliferation of cerebellum granule cell precursors and medulloblastoma | | | |
| 12h35-12h50 | НВО14 | Imane Bouguenoun | | Study of in vitro stimulation of bronchial epithelial cells (BEAS -2B) with the major allergen (Cup s1) of <i>Cupressus sempervirens</i> | | | |
| Room 2: Industrial Biotechnology 9h50-10h35: 3 Oral communications (IBO6-IBO8) | | | | | | | |
| | Chairmen : Pr. Mamdouh Ben Ali & Pr. Badreddine Belhadi | | | | | | |
| 9h50-10h05 | IBO6 Sonia Mhiri | | n Mhiri | Expression of a Thermo-stable Xylanase from the Thermophilic anaerobic bacterium <i>Caldicoprobacter algeriensis</i> sp. TH7C1 ^T | | | |

| 10h05-10h20 | IBO7 | Sahar Trabelsi | Purification, Characterization and Application in the Bread Making Industry of Acid-stable Alpha Amylases from a New Isolated <i>Bacillus</i> subtilis US586 Strain | | | | |
|--|---|------------------------|--|--|--|--|--|
| 10h20-10h35 | IBO8 | Sondes Mechri | A novel serine alkaline protease from <i>Anoxybacilus kamchatkensis</i> M1V and its application as detergent additive | | | | |
| 11h10-11 | h30 | | Tea & Coffee Breaks | | | | |
| | Room 2: Environmental Biotechnology 11h30-12h50: 5 Oral communications (EBO1-EBO5) | | | | | | |
| | | Chairmen : D | r. Omar Cheknane & Dr. Bassem Jaouadi | | | | |
| 11h30-11h50 | Tc1- EBO1 | Sonia Khoufi | Biogas potential from organic fraction of municipal solid waste: hybrid solid co-digestion batch process | | | | |
| 11h50-12h05 | EBO2 | Rafika Saidi | Biohydrogen production from onion wastes by the extreme thermophile Thermotoga maritima in a simplified culture medium | | | | |
| 12h05-12h20 | ЕВО3 | Amel Farhat | Fermentative hydrogen and methane co-production from anaerobic co- digestion of organic wastes at high loading rate coupling continuously and sequencing batch digesters | | | | |
| 12h20-12h35 | EBO4 | Abdelwahab Rai | Pseudomonas protegens with high antifungal activity protects apple fruits against <i>Botrytis cinerea</i> -gray mold | | | | |
| 12h35-12h50 | EBO5 | Lazhar Mhadhbi | Protective effect of Zizyphus lotus jujube fruits against cypermethrin¬induced oxidative stress and neurotoxicity in freshwater mussel Unio pictorum | | | | |
| | | | Bioactive Molecules and Applications 5 Oral communications (BMO6-BMO10) | | | | |
| | Chai | irmen: Dr. Moha | nmed Najib Saidi & Pr. Amel Hadj-Ziane-Zafour | | | | |
| 9h50-10h05 | Tc2- BMO8 | Rafik Balti | Concentration and purification of <i>Porphyridium cruentum</i> exopolysaccharides by membrane filtration at various cross-flow velocities | | | | |
| 10h05-10h20 | ВМО6 | Hacene Elhameur | Antioxidative, antimicrobial and healing activity of a prodigiosin of Serratia marcesens microbiota of a traditional Algerian fermented food | | | | |
| 10h20-10h40 | ВМО7 | Riadh Ben Salah | Novel strategies for functional beef sausages productions | | | | |
| 10h40-10h55 | ВМО9 | Leila Soua | Water-souble polysaccharides and hemicelluloses from <i>Ephedra alata</i> : angiotensin-I-converting enzyme inhibitory and biological activities | | | | |
| 10h55-11h10 | ВМО10 | Faiez Hentati | Structural characterization, rheological investigations and antioxidant activity of water-soluble polysaccharides from the Tunisian brown seaweed <i>Cystoseira compressa</i> | | | | |
| 11h10-1 | 11h10-11h30 Tea & Coffee Breaks | | | | | | |
| Room 3: Bioactive Molecules and Applications 11h30-12h50: 5 Oral communications (BMO11-BMO15) | | | | | | | |
| Chairmen: Pr. Djamel Djenane & Dr. Riadh Ben Salah | | | | | | | |
| 11h30-11h45 | Tc3- BMO14 | Mohamed Ben Mansour | Characterization and anticoagulant activity of a novel fucosylated chondroitin sulfate | | | | |
| | | | | | | | |

| | uctural | | | |
|---|--|--|--|--|
| 11h45-12h00 BMO11 Amir Bouallegue Exopolysaccharides from a new isolated bacteria: Purification Struends Analysis and Antioxidant activities | ucturar | | | |
| 12h00-12h15 BMO12 Amel Hadj- Ziane Zafour Biocidal effect of Melia azedarach seed oil encapsulated in E cyclodextrin on devastating insect species and environmental prof | | | | |
| 12h15-12h35 BMO13 Ola Abdelhedi Physicochemical, structural and sensory properties of smooth he autolysates-sugar conjugates formed using Maillard reaction | | | | |
| 12h35-12h50 BMO15 Hamida Saida Cherif Study of the effect of leaves's aqueous and methanolic extracts of europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestris on germs responsible for urinary tract inference of the europaea var sylvestria var | | | | |
| 13h00 Lunch | | | | |
| Friday afternoon 21/12/2018 | | | | |
| 14h30-15h30 Poster discussion (continuation & end) - (14h30-15h30) | | | | |
| HBP1-34 Health Biotechnology | | | | |
| IBP1-21 Industrial Biotechnology | | | | |
| Plenary conference 5 (15h30-16h10) | | | | |
| Chairmen : Pr. Samir Bejar & Pr. Ridha Mhamdi | | | | |
| Cf5: Pr. Ezio Ricca Bacterial Spore Formers: Biology and Biotechnology | | | | |
| Plenary conference 6 (16h10-16h50) | | | | |
| Chairmen : Pr. Radhia Gargouri & Pr. Haythem Mhadhbi | Chairmen : Pr. Radhia Gargouri & Pr. Haythem Mhadhbi | | | |
| Cf6: Pr. Renaud Brouquisse Nitric oxide (NO) regulates symbiotic nitrogen fixation in legulates. | mes | | | |
| 16h50-17h10 Tea & Coffee Breaks | | | | |
| Room 1: Plant Biotechnology 17h10-18h45: 6 Oral communications (PBO1-PBO6) | | | | |
| Chairmen : Pr. Renaud Brouquisse & Dr. Moncef Mrabet | | | | |
| 17h10 17h20 Tcl- Chali Handada madamailin kiski dana di finala mada ki | 1. | | | |
| 17h10-17h30 PBO1 Cherki Ghoulam How do the most prevailing abiotic stresses affect legume-rhize symbiosis and its contribution to agrosystem sustainability? | | | | |
| 17h30-17h45 PBO2 Rim.Tinhinen Maougal PGPR effect of microbial phytases isolated from the bean rhizos | phere | | | |
| 17h45-18h00 PBO3 Bacem Nodulation and mycorrhization of red pea (Lathyrus cicera) in Tomorous Mnasri | | | | |
| 18h00-18h15 PBO4 Nadia Kallala Biodiversity within Medicago truncatula genotypes toward respo | | | | |
| 18h15-18h30 PBO5 Houda Ben Slama Biological control of phytopathogenic Fusarium spp. fungi by Bo halotolerans bacteria | acillus | | | |
| 18h30-18h45 PBO6 Najla Dhen Effectiveness of biotized substrate based on date-palm wastes per native arbuscular mycorrhizal fungi on lettuce transplants perform | | | | |
| Room 2: Environmental Biotechnology | | | | |

| 17h40-18h40: 6 Oral communications (EBO6-EBO11) | | | | | | |
|---|--|--|--|--|--|--|
| Chairmen : Dr. Sonia Khoufi & Dr. Ferid Abidi | | | | | | |
| 17h10-17h25 | Tc2- EBO8 | Bassem Jaouadi | | peroxidases as promising tool for lignin and humic acid degradation, and other environmental applications | | |
| 17h25-17h40 | EBO6 | Mohamed Hamidi | Developin | g of a biocide to fight against <i>Thaumetopoea pityocampa</i> phytophage of Aleppo pine forests | | |
| 17h40-18h00 | EBO7 | Imène Manai | Improved real textile wastewater decolourization by fungal bioaugmentation technology: Application process at SITEX pilot-scale plant | | | |
| 18h00-18h15 | EBO9 | Faiza Zermane | | ion of porous bead based on iron pillared clay and their oplication in the elimination of a mixture of dyes | | |
| 18h15-18h30 | EBO10 | Khelifa Bouacem | | n the biodiversity of thermophilic bacteria isolated from m Righa hot spring (Algeria) under aerobic conditions | | |
| 18h30-18h45 | EBO11 Neila Miled Eco-friendly degreasing processes of sheep skins and hides: Potent application of a yeast lipase in leather industry | | | | | |
| | Room 3: Bioactive Molecules and Applications 17h10-18h40: 6 Oral communications (BMO16-BMO21) | | | | | |
| | | Chairmen : Pr | . Chaouki Sell | es & Pr. Abdelfettah El Feki | | |
| 17h10-17h25 | ВМО16 | Karim Kadri | Effect of pollen source and pollination time on yield and fruit characteristics of "Deglet Nour" date palm (<i>Phoenix dactylifera</i> L.) in the Oasis of Djerid (Tunisia) | | | |
| 17h25-17h40 | BMO17 | Jouda Mediouni- Ben Jemâa | Insecticidal toxicity of Laurus nobiis essential oil on <i>Tribolium</i> castaneum adults and impact on semolina characteristics | | | |
| 17h40-17h55 | BMO18 | Amina Chniguir | Syzygium aromaticum aqueous extract inhibits human neutrophils myeloperoxidase and protects mice from LPS-induced lung inflammation | | | |
| 17h55-18h10 | BMO19 | Amel Hamdi Evaluation of antioxidant andbiological activities of bioactive compounds from the rhizomes of wild <i>Asparagus albus</i> L. | | Č | | |
| 18h10-18h25 | ВМО20 | Youssra Doria Lahneche | Doria New Schiff bases derived from Benzimidazole and their Zn(II) | | | |
| 18h25-18h40 | Fatma Synthesis a Allouche | | Synthesis an | d Biological Activities of 1,2,4-Triazol-3-yl-Thiazolidin-4- Ones | | |
| | Poster display & Start Posters | | | | | |
| 19h30 | BMP1-48 | | | Bioactive Molecules and Applications | | |
| | EBP1-41 | | | Environmental Biotechnology | | |
| | PBP1-48 Plant Biotechnology | | Plant Biotechnology | | | |
| 20h00 | Dinner | | | | | |

Saturday Morning 22/12/2018

| | | | Plenary conference 7 (8h30-9h10) | | | |
|---------------------|--|---------------------|---|--|--|--|
| 08h30 | Chairmen: Pr. Chedly Abdelly & Pr. Hassib Bouallagui | | | | | |
| Cf7: Pr. Ahmed Debe | | | Proteomics as promosing tool to progress in the elucidation of salt tolerance mechanisms in a model of Extremophile plants: Cakile maritima | | | |
| | | | Plenary conference 8 (9h10-9h50) | | | |
| 09h10 | | Chairmen | n: Pr. Amel Bouanane-Darenfed & Dr. Bassem Jaouadi | | | |
| | Cf8: Pr. | Djamel Djenane | Carbon monoxide and the Food Packaging in the 21st Century: the Paradox | | | |
| | | | Room 1: Plant Biotechnology : 5 Oral communications (PBO7-PBO11) | | | |
| | | Chairmen: Dr. 1 | Rym Tinhinen Maougal & Dr. Ahmad Debez | | | |
| 9h50-10h05 | Tc2- PBO9 | Rahma Jardak | Root proteome response of Tunisian barley landraces to salinity stress at the seedling stage | | | |
| 10h05-10h20 | PBO7 | Zayneb Kthiri | Induction of tomato plant defense against Fusarium wilt disease using Trichoderma harzianum and Meyerozyma guiliermondii | | | |
| 10h20-10h40 | PBO8 | Badiaa Essghaier | Halophilic bacteria able to promote plant growth | | | |
| 10h40-10h55 | PBO10 | Jawaher Riahi | Grain proteome analysis of the Tunisian barley landraces with contrasting salinity tolerance | | | |
| 10h55-11h10 | PBO11 | Faiza Boussora | Effect of Salt on spike development and final yield in Tunisian Barley | | | |
| 11h10-11h30 | | | Coffee Break | | | |
| | | | 1: Plant Biotechnology (PBO12-15) 80-12h30: 4 Oral communications | | | |
| | Chairmen: Pr. Cherki Ghoulam & Dr. Bacem Mnasri | | | | | |
| 11h30-11h45 | PBO12 | Warda Saoudi | Genetic variation of ionic accumulation in roots and leaves levels under salinity stress in the Tunisian populations of <i>Hordeum marinum</i> ssp. marinum | | | |
| 11h45-12h00 | PBO13 | Myriam Lamine | Identification of the NaCl-responsive metabolites in <i>Citrus roots</i> : A lipidomic and volatomic signature | | | |
| 12h00-12h15 | PBO14 | Malika Drira | Delta-7-stigmastenol: quantification and isomeric formation during chemical refining of olive pomace oil and optimization of the neutralization step | | | |
| 12h15-12h30 | PBO15 | Salama Aissam | The resistance of the olive tree varieties to the leaf-spot disease: The study of the phenolic metabolism | | | |
| | | | n 2: Environmental Biotechnology 4 Oral communications (EBO12-EBO15) | | | |
| | | | Pr. Abdelmalek Badis & Pr. Slim Tounsi | | | |
| 9h50-10h05 | EBO12 | Mouna Ben Elhoul | Development of an environmentally friendly approach of feather degradation using anew keratinase from Actinomycetes | | | |
| 10h05-10h20 | EBO13 | Douja Sellami | Feasibility and Performance Study of the Ground-source Heat Pump System For Heating Greenhouse | | | |
| 10h20-10h35 | EBO14 | Hajer Ennouri | Effect of Solid State fermentation by <i>Chaetomium globosum</i> on the anaerobic co-digestion performances of municipal solid waste with the | | | |
| | | l | 8 | | | |

| | | | urban and industrial sludge | | | | |
|-------------|--|---------------------|--|--|--|--|--|
| 10h35-10h50 | EBO15 | Smain Megateli | Potential of Duckwwed (<i>Lemnagibba</i>) for removal of Nitrogen and Phosphorus and mater organic from dairy wastewater | | | | |
| 11h10-11h30 | | Tea & Coffee Breaks | | | | | |
| 13h00 | | Lunch | | | | | |
| | | | Saturday afternoon 22/12/2016 | | | | |
| 14h30-16h | Poster discussion (continuation & end) | | | | | | |
| 141150-1011 | BMP1-48 | | Bioactive Molecules and Applications | | | | |
| | EBP1-41 | | Environmental Biotechnology | | | | |
| | PBP1-48 | | Plant Biotechnology | | | | |
| | Plenary conference 9 (16h00-16h40) Chairmen: Pr. Radhia Gargouri & Pr. Issam Smaali | | | | | | |
| | Cf9: Pr. Hassib | | Complementary solutions for dry waste (biomass) and waste water | | | | |
| | Во | ouallagui | treatment and renewable energy recovery | | | | |
| 16h40-17h00 | Tea & Coffee Breaks | | | | | | |
| 20h00 | Dinner | | | | | | |
| 21h00 | Musical animation & Poster awards | | | | | | |

| Sunday Morning 23/12/2018 | | | |
|---------------------------|------------------|--|--|
| 9h00 | Closing Ceremony | | |
| 11h00 | Departure | | |