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JOINT EVENT

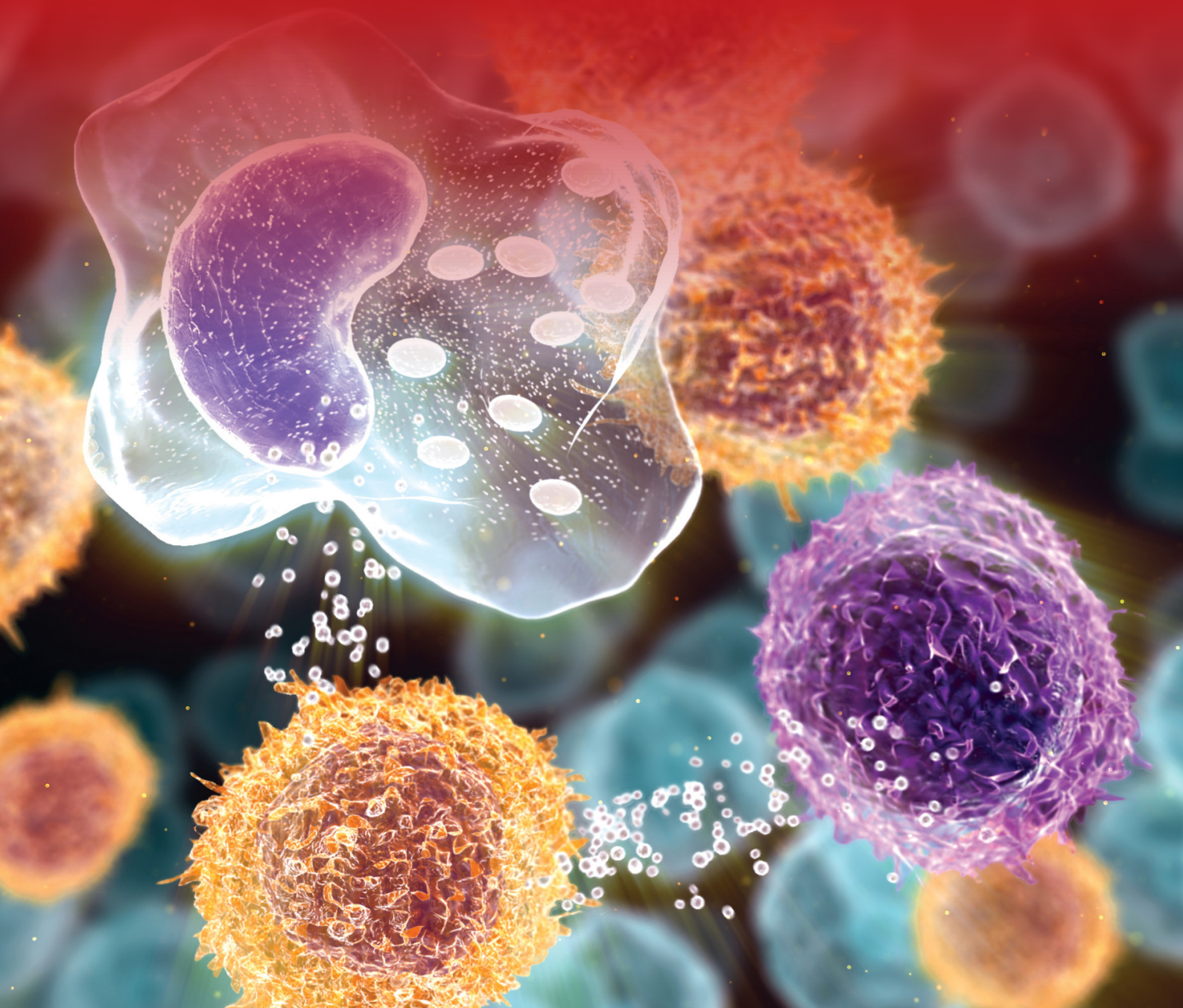
Proceedings of
4th World Congress and Expo on

APPLIED MICROBIOLOGY &

2nd International Conference on

FOOD MICROBIOLOGY

November 29-December 01, 2017 Madrid, Spain



Hall Name: Goya

conference**series**.com 09:00-09:15

Opening Ceremony

Keynote Forum

09:15-09:20 **Introduction**

09:20-09:50 **Title: Marine microbiome and drug discovery**

Fernando de la Calle, PharmaMar, Spain

09:50-10:20 **Title: Spectroscopy and non linear algorithms – A promising tool in the field of food technology**

Jose S Torecilla, Complutense University of Madrid, Spain

Group Photo

Networking & Refreshment Break 10:20-10:35 @ Foyer

10:35-11:05 **Title: Impact of new food trends to food safety and quality in food manufacturing organizations**

Rong Murphy, Maple Leaf Farms, USA

Sessions: Water Microbiology | Infection and Immunity | Clinical Microbiology | Systems Biology & Bioinformatics | Marine Microbiology and Ecology | Food Microbiology

Session Chair: Fernando de la Calle, PharmaMar, Spain

Session Co-chair: Alla Nikolaevna Nozhevnikova, Federal Research Center of Biotechnology of the Russian Academy of Sciences, Russia

Session Introduction

11:05-11:25 **Title: Contribution of applied microbiology into national economy of Belarus Republic**
Natalija Sverchkova, Belarus National Academy of Sciences, Belarus

11:25-11:45 **Title: Advances in molecular tools for routine monitoring of toxic algae and pathogens in aquatic ecosystems**

Linda K Medlin, Marine Biological Association, UK

11:45-12:05 **Title: A recombinant chimeric protein comprised of immunogenic epitopes of metabolic enzymes is serodiagnostic target for *Trichomonas vaginalis* sexually transmitted infections**

John Alderete, Washington State University, USA

12:05-12:25 **Title: Defining the prokaryotic biodiversity of the salterns of Margherita di Savoia (Italy) by amplicon based next generation sequencing analysis**

Mariateresa Volpicella, Bari University, Italy

12:25-12:45 **Title: Detection of waterborne pathogenic bacteria using immunofluorescence technique**

Mihai Nita-Lazar, National Research and Development Institute for Industrial Ecology-ECOIND, Romania

12:45-13:05 **Title: New cellulosic economical enzyme-substrate based diet of pullets**

Catalina Stoica, National Research and Development Institute for Industrial Ecology-ECOIND, Romania

Lunch Break 13:05-13:50 @ Nature Restaurant

Special Session

13:50-14:20 **Title: A systems biology approach to reveal the sweet secrets of maple syrup quality**
Marie Filteau, Laval University, Canada

Sessions: Food Microbiology | Food Borne Pathogens, Diseases & Public Health | Microbial Aspects of Food Spoilage and Quality

Session Chair: Jose S Torecilla, Complutense University of Madrid, Spain
Session Co-chair: Shaukat Iqbal, National Aquaculture Group, Saudi Arabia

Session Introduction

14:20-14:40 **Title: Validation for total aflatoxins (aflatoxins B1, B2, G1 and G2) in shrimp & fish feed, shrimp hepatopancreas and fish liver by ELISA**

Shaukat Iqbal Hashmi, National Aquaculture Group, Saudi Arabia

14:40-15:00 **Title: Isothermal DNA amplification for *Salmonella* spp. detection and characterization**
Alejandro Garrido-Maestu, International Iberian Nanotechnology Laboratory, Portugal

15:00-15:20 **Title: Analysis of microbial harm in sugar cleaning area of sugar mill**
Rui Feng Mao, Guangxi University, China

15:20-15:40 **Title: Pulsed light inactivation of wheat grain native microbiota and effect on germination capacity**
Maria Turtoi, Dunarea de Jos University of Galati, Romania

Networking & Refreshment Break 15:40-15:55 @ Foyer

Workshop

15:55-16:45 **Title: Non-conventional yeasts in bakery**
Amparo Gamero, Institute of Food Science and Technology– Spanish Research Council, Spain

Sessions: Water Microbiology | Systems Biology & Bioinformatics | Plant pathology

Session Chair: Fernando de la Calle, PharmaMar, Spain
Session Co-chair: Alla Nikolaevna Nozhevnikova, Federal Research Center of Biotechnology of the Russian Academy of Sciences, Russia

Session Introduction

16:45-17:05 **Title: Exosomal miRNAs derived from umbilical mesenchymal stem cells inhibit hepatitis C virus infection**
Zhongtian Qi, Second Military Medical University, China

17:05-17:25 **Title: Filamentous fungus *Podospora anserina*: Morphological and genomic changes within five years of submerged cultivation**
Olga A. Kudryavtseva, Lomonosov Moscow State University, Russia

17:25-17:45 **Title: Mainstream partial nitrification-anammox process in domestic and municipal wastewater treatment in Russia**
Alla Nikolaevna Nozhevnikova, Federal Research Center of Biotechnology of the Russian Academy of Sciences, Russia

17:45-18:05 **Title: Adaptive conditions and safety of the application of *Penicillium frequentans* as a biocontrol agent on stone fruit**
Belen Guijarro, National Institute for Agriculture and Food Research, Spain

Panel Discussion

Day 2, November 30, 2017

Hall Name: Goya

Keynote Forum

09:00-09:30 **Title: Blockchain: Accelerating traceback investigations in food poisoning outbreaks**
Jory Lange, Robins Cloud, USA

Workshop

09:30-10:10 **Title: Non-Saccharomyces yeasts *Lachancea thermotolerans* and *Schizosaccharomyces pombe* applications in wine food microbiology. Influence in wine quality**
Santiago Benito, Polytechnic University of Madrid, Spain

Networking & Refreshment Break 10:10-10:25 @ Foyer

Sessions: Food Microbiology | Microbiology of Fermented Foods and Beverages | Food Borne Pathogens, Diseases & Public Health

Session Chair: Santiago Benito, Polytechnic University of Madrid, Spain

Sesstion Co-Chair: Ala Mohan, The New Zealand Institute for Plant & Food Research Limited, New Zealand

Session Introduction

10:25-10:45 **Title: Comparative analysis of New Zealand *Listeria monocytogenes* isolates using PFGE, MLST, MVLST and whole genome sequence analysis**

Ala Mohan, The New Zealand Institute for Plant & Food Research Limited, New Zealand

10:45-11:05 **Title: *Schizosaccharomyces pombe* and *Saccharomyces cerevisiae* yeasts in sequential fermentations: Effect on phenolic acids of fermented kei-apple (*Dovyalis caffra* L.) juice**

Phillipe P Minnaar, Agricultural Research Council, South Africa

11:05-11:25 **Title: Efficacy of domestic cooking of experimentally infected bivalve shellfish: A case study**
Michela Favretti, Istituto Zooprofilattico Sperimentale delle Venezie, Italy

11:25-11:45 **Title: Effective microorganisms improve the growth and quality of vegetables and soybeans**
Margit Olle, Estonian Crop Research Institute, Estonia

11:45-12:05 **Title: Diversity and transmission of *Saccharomyces cerevisiae* population in Xinjiang province, China**

Zhu Lixia, NNSFC Foundation, China

Sessions: Water Microbiology | Plant pathology | Infection and Immunity | Clinical Microbiology

Session Chair: David Sartory, SWM Consulting Ltd, UK

Sesstion Co-Chair: Sergio Giannattasio, Institute of Biomembranes, Bioenergetics and Molecular Biotechnologies, Italy

Session Introduction

12:05-12:25 **Title: The Trojan Horse: A new biotechnology for pesticide removal at drinking water sand filters**
Sanin Musovic, Danish Technological Institute, Life Science, Denmark

12:25-12:45 **Title: Identification of active compounds for the development of new anti-prostate cancer drugs: Comparative study in yeast and human cells**

Sergio Giannattasio, Institute of Biomembranes, Bioenergetics and Molecular Biotechnologies, Italy

12:45-13:05 **Title: Interkingdom signaling: Interference of plant derived small molecules with bacterial communication and virulence**

Iris Yedidia, Plant Sciences – Agricultural Research Organization, Volcani Center, Israel

- 13:50-14:10 **Title: Evaluation of a rapid and simple MPN method for enumerating *Legionella pneumophila* from water**
David Sartory, SWM Consulting Ltd, UK
- 14:10-14:30 **Title: Integration of natural microorganisms at drinking water sand filters with groundwater composition**
Sanin Musovic, Danish Technological Institute, Denmark
- 14:30-14:50 **Title: Evaluation of *Aspergillus* immunochromatographic lateral flow device and galactomannan antigen test for the presence of invasive aspergillosis in patients with haematologic malignancies**
Rasih Felek, Akdeniz University Hospital Central Laboratory, Turkey

Young Research Forum

YRF Judge: Rong Murphy, Maple Leaf Farms, USA

- 14:50-15:05 **Title: Investigation of effect of edible coating containing *Williopsis saturnus var. saturnus* on aflatoxin production in peanuts**
Tugce Ulutasdemir, Sakarya University, Turkey
- 15:05-15:20 **Title: Application of biosensors for detection of contaminants in milk and milk products**
Parul Thapar, Indira Gandhi National Open University, India
- 15:20-15:35 **Title: Prevalence and sources of food borne infections attributed to drug resistant pathogens in street food of Karachi, Pakistan-A risk to public health**
Javeria Samad, Habib University, Pakistan
- 15:35-15:50 **Title: Nickel and vanadium toxicity in plant growth promoting microorganisms**
Grettel Aviles Sayas, The Universidad Veracruzana, Mexico
- 15:50-16:05 **Title: Hetrologous expression of uncharacterized wild type and mutated Universal Stress Protein-2 (USP-2) gene from *Gossypium arboreum*-FDH-171 confers osmotic and salt resistance to *Pichia pastoris* and *Escherichia coli***
Muhammd Nadeem Hafeez, Center for Excellence in Molecular Biology, Pakistan

Networking & Refreshment Break 16:05-16:20 @ Foyer

Food Microbiology 2017 @ Poster Session 16:05-16:50

Poster Judge: Jose S Torecilla, Complutense University of Madrid, Spain

Poster Judge: Marie Filteau, Laval University, Canada

- FM101 **Title: Heterogeneity in technological traits of lactobacilli isolated from Algerian goat's milk**
Ahmed Marroki, University Djillali Liabes, Algeria
- FM102 **Title: Isothermal DNA amplification for *Salmonella* spp. detection and characterization**
Alejandro Garrido-Maestu, International Iberian Nanotechnology Laboratory, Portugal
- FM103 **Title: Occurrence of *Clostridium difficile* in edible bivalve molluscs in Spain**
Carmen Candel-Perez, Universidad de Murcia, Spain
- FM104 **Title: Molecular typing of methicillin-resistant *Staphylococcus aureus* (MRSA) isolated from milk and dairy products in southern Italy**
Giovanna La Salandra, Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata, Italy

- FM105** **Title: Presence of *Staphylococcus aureus* and Shiga toxigenic *Escherichia coli* O157:H7 in raw meat in Agri, Turkey**
Gizem Cufaoglu, Kirikkale University, Turkey
- FM106** **Title: Physical, mechanical properties and antifungal activity of bioactive film containing *Williopsis saturnus var. saturnus* antagonistic yeast**
Gulsah karabulut, Sakarya University, Turkey
- FM107** **Title: Microbiological quality evaluation of raw cow's milk taken from the farms in Sale, Morocco**
Horia Radid, National Institute of Hygiene-Rabat, Morocco
- FM108** **Title: Determination of antifungal effect of edible coatings containing *Williopsis saturnus var. saturnus* against yeast and mold growth on kashar cheese**
Ilknur Civelek, Sakarya University, Turkey
- FM109** **Title: Prevalence and sources of food borne infections attributed to drug resistant pathogens in street food of Karachi, Pakistan-A risk to public health**
Javeria Samad, Habib University, Pakistan
- FM110** **Title: Anti-anxiety effects of lactic acid bacteria via regulation of gut microbiota and metabolic alteration in chronic stress-induced anxiety mice**
Jiseon Lee, Korea University, South Korea
- FM111** **Title: Authentic cotija cheese as a functional food: Study of peptides released during ripening**
Judith Jimenez-Guzman, Metropolitan Autonomous University, Mexico
- FM112** **Title: Essential oils composition, antibacterial and antioxidant activities of hydrodistillated extract of *Eucalyptus globulus* fruits**
Lila Boulekbache -Makhlouf, University of Bejaia, Algeria
- FM113** **Title: Relationship between microbial counts and lipid oxidation during ageing process of foal meat**
Maria J Cantalejo, Public University of Navarre, Spain
- FM114** **Title: Characterisation of extracellular DNA in *Listeria monocytogenes* biofilm with the use of fluorescent techniques**
Martina Bohacova, Gaziosmanpasa University, Czech Republic
- FM115** **Title: Natural occurrence of toxigenic moulds and their secondary metabolites-ochratoxin A (OTA) in black and herbal teas on the Serbian market**
Radovan Cobanovic, SP Laboratory, Serbia
- FM116** **Title: Analysis of microbial harm in sugar cleaning area of sugar mill**
Rui Feng Mao, Guangxi University, China
- FM117** **Title: Production of external reference materials in food microbiology**
Sabrina Hellali, BIPEA, France
- FM118** **Title: Antibiotic resistance and plasmid profile of bacterial pathogens isolated from street vended foods in Owerri, Nigeria**
Stanley Kelechi Dike, Imo State University, Nigeria
- FM119** **Title: Characterization of combi-CLEAs for biogenic amine detection**
Tianxiang Yang, Korea University, South Korea
- FM120** **Title: A survey for grapevine leafroll-associated virus-1 and -3 in Georgian vineyards**
Tinatin Elbakidze, Laboratory of the Ministry of Agriculture, Georgia

- FM121** Title: **Effects of lactic acid bacteria on intestinal barrier and inflammation in chronic stress-induced mice**
Yeonjeong Seo, Korea University, South Korea
- FM122** Title: **Differentiation of *Listeria monocytogenes* strains base on multi complete gene sequence**
Yong Zhao, Guangxi University, China
- FM123** Title: **LB-9, plant-originated lactic acid bacteria having high stability in simulated gastro-intestinal conditions and improving colitis in DSS-induced mouse model**
Youngbae Noh, Lotte R&D Center, South Korea
- FM124** Title: **Inhibitory activity of the lactic acid bacteria from Xinjiang dairy products on *Alternaria***
Zhang Ruili, NNSFC Foundation, China

Applied Microbiology 2017 Poster Session 17:15-18:00

Poster Judge: Alla Nikolaevna Nozhevnikova, Federal Research Center of Biotechnology of the Russian Academy of Sciences, Russia

Poster Judge: Sergio Giannattasio, Institute of Biomembranes, Bioenergetics and Molecular Biotechnologies, Ital

- AMC01** Title: **Effect of a commercial probiotic on the survival of Nile tilapia (*Oreochromis niloticus*) larvae during the period of yolk sac absorption**
Ruben Pablo Schocke, Sao Paulo State University, Brazil
- AMC02** Title: **Nosocomial infections caused by *Staphylococcus aureus* biofilm producer in the neonatal unit of the hospital specialist mother-child of Tlemcen, Algeria**
Rebiahi Sidahmed, Tlemcen University, Algeria
- AMC03** Title: **Evaluation of *Aspergillus* immunochromatographic lateral flow device and galactomannan antigen test for the presence of invasive aspergillozsis in patients with haematologic malignancies**
Rasih Felek, Akdeniz University Hospital, Turkey
- AMC04** Title: **Isolation of psychrotrophic *Corynebacterium* strains from Salmon trutta that exhibited antimicrobial activity against *Enterococcus faecalis***
Nuria Rius, University of Barcelona, Spain
- AMC05** Title: **The influence of surface properties of materials on biofilm formation**
Nikola Mikusova, Tomas Bata University, Czech Republic
- AMC06** Title: **Identification of the causal agent of *Porites* sp. bleaching in Gulf of Aqaba**
Nehaya Al-Karablieh, The University of Jordan-Amman, Jordan
- AMC07** Title: **Adsorption of a thermoacidophilic peroxiredoxin of *Sulfolobus solfataricus* on *Bacillus megaterium* spores**
Mariamichela Lanzilli, University of Naples Federico II, Italy
- AMC08** Title: **Antifungal perspective of novel 1,2,4-triazole derivatives**
Lyudmyla Antypenko, Neubrandenburg University, Germany
- AMC09** Title: **Assessment of genetic and functional diversity of bacterial community in soils long-term contaminated with crude oil**
Uladzislau Kuptsou, Institute of Soiul Science and Plant Cultivation – State Research Institute, Poland
- AMC10** Title: **Discarding the specimen collection swab directly at point of care improves optimization of automated molecular diagnosis of sexually transmissible microorganisms without changing results**
Alessandro Camporese, Pordenone Regional Hospital, Italy

- AMC11** **Title: Nitrogen-fixing and phosphate-solubilizing bacteria resistant to technogenic soil salinization**
Aleksandra Ukalska, National Academy of Sciences, Belarus
- AMC12** **Title: Prevalence of anal and oral HPV infection in the screening high-risk population of HIV positive MSM in the Czech Republic**
Jana Nemcova, Biopsticka laborator, Czech Republic
- AMC13** **Title: Bactericidal action of UV-A light irradiated ferulic acid**
Akihiro Shirai, Tokushima University, Japan
- AMC14** **Title: Soil washing with biologically compatible surfactants: a strategy to stimulate hydrocarbon biodegradation in soils contaminated with excess oil and saline produced water**
Marcos Rogério Tótola, Federal University of Viçosa, Brazil
- AMC15** **Title: Antiproliferative activity of a halophilic bacterium, Halomonas pacifica MML1909 on human cancer cell lines**
Sucharitha Kannappan Mohanvel, University of Madras, India
- AMC16** **Title: Eph A-ephrin A1 system improves endometrial development during early pregnancy**
Hyocheol Bae, Korea University, Republic of Korea
- AMC17** **Title: Screening of serodiagnostic peptide regions that zika virus nonstructural protein 1**
Hee-Jung Lee, Konkuk University, South Korea
- AMC18** **Title: Preliminary effect of curcumin loaded liquid crystal precursor mucoadhesive system against *Candida albicans* with and without association of photodynamic therapy**
Jessica Bernegossi, Sao Paulo State University, Brazil
- AMC19** **Title: Fecal carriage of ESBL-producing *Escherichia coli* among the migratory bird white stork (*Ciconia ciconia*), Algeria**
Esma Bendjama, Université de Batna 2, Algeria
- AMC20** **Title: Fungal genetics and functional diversity in soil under long-term monoculture of maize in different cultivation techniques**
Aleksandra Ukalska, Institute of Soil Science and Plant Cultivation – State Research Institute, Poland
- AMC21** **Title: Composition and biological activities of the essential oil of *Nigella sativa* seeds isolated by accelerated microwave steam distillation with cryogenic grinding**
Farid Benkaci-Ali, University of Sciences and Technologies Houari Boumediène, Algeria
- AMC22** **Title: Bioleaching of aluminum from bauxite ore using adapted strain of *Penicillium simplicissimum***
Syed Sikandar Shah, Sao Paulo State University, Brazil
- AMC23** **Title: Production of new beverage: Yogurt with mushroom**
Vinícius Reis de Figueiredo, Instituto Federal de Educacao, Ciencia e Tecnologia Baiano, Brazil

Panel Discussion

Day 3 December 01, 2017

Hall Name: Goya

Sessions: Food Microbiology, Antibiotics, Antimicrobials & Chemotherapy, Microbial Physiology, Adaptation & Metabolism, Biofilms Formation

Session Chair: Xiaoling Wang, University of Science and Technology Beijing, china

10:00-10:20 **Title: Antimicrobial, anticoagulation, fibrinolytic and prebiotic activities of exopolysaccharide produced by marine *Klebsiella* spp.**

Ayman Kamal El Essawy, Ain Shams University, Egypt

10:20-10:40 **Title: Antibacterial efficacy of four structurally related phenylpropenes against *Escherichia coli* and *Staphylococcus epidermidis***

Amal Kamil Najjar, Lebanese University Faculty of Sciences, Lebanon

Networking & Refreshment Break 10:40-10:55 @ Foyer

10:55-11:15 **Title: Microbes and dietary components of selected commonly consumed foods**

Adedayo Olajide Ajayi, Adekunle Ajasin University, Akungba-Akoko, Nigeria

11:15-11:35 **Title: NAD(H)-linked methylglyoxal oxidoreductase regulates cellular methylglyoxal and pyruvate through enhanced activities of alcohol dehydrogenase and methylglyoxal-oxidizing enzymes in glutathione-depleted *Candida albicans***

Min-Kyu Kwak, Sungkyul University, Republic of Korea

11:35-11:55 **Title: Phenotypes and mechanical properties of *Bacillus subtilis* biofilms**

Xiaoling Wang, University of Science and Technology Beijing, china

11:55-12:15 **Title: Improving physicians' adherence to guidelines regarding antibiotics use in acute upper respiratory tract infections in adult patients attending Ministry of Health hospitals in Alexandria, Egypt: an interventional study**

Sarah K Amer, Arab Academy for Science, Technology and Maritime Transport, Egypt

Award Ceremony 12:15-12:30

Lunch Break 12:30-13:15 @ Nature Restaurant

Panel Discussion