- The conference presentations will start on Wednesday 2 October at 11:00, although there will be a registration period from 9:00 to 11:00 AM. The Conference will finish on Friday 4 October around 18:30. In any case, attendees will be able to pick up the conference materials at the registration desk at any time during the conference. The conference/registration desk will be placed at the main Hall on the 1st floor of the central block at the conference venue (Faculty of Medicine-Complutense University of Madrid)

- Oral presentations will take place according to the following general structure in two different halls at the conference venue (Faculty of Medicine-Complutense University of Madrid):

  Hall 1: "Ramon y Cajal" lecture theatre (Gran Anfiteatro "Ramon y Cajal"). It is on the 2nd floor of the central block at the conference venue
  Hall 2: "Profesor Botella" room (Sala "Profesor Botella") It is on the 1st floor of the central block at the conference venue

	ORAL PRESENTATIONS SCHEDULE		
	WEDNESDAY, 2 OCTOBER 2013	**THURSDAY, 3 OCTOBER 2013**	**FRIDAY, 4 OCTOBER 2013**
HALL 1	Agriculture, Soil, Forest Microbiology Environmental, Marine, Aquatic Microbiology. Geomicrobiology	Medical & Veterinary Microbiology - Antimicrobial agents (including antimicrobial surfaces and materials) and chemotherapy - Resistance Microbial Physiology, Metabolism and Gene Expression	Biodeterioration & Biodegratation – Bioremediation Methods and Techniques – Education
HALL 2	Industrial Microbiology - Future Bioindustries – Microfactories – Microbial Production of Chemicals and Pharmaceuticals	Food Microbiology Biotechnologically Relevant Enzymes and Proteins	Biofilms

- There will be 5 poster sessions at Main Hall on the 1st floor of the central block at the conference venue (Faculty of Medicine-Complutense University of Madrid), according the following schedule:

POSTER PRESENTATIONS SCHEDULE		
Day	**Time**	**Sessions**
Wednesday, 2 October	From 17:00 to 18:15	• Agriculture, Soil, Forest Microbiology • Environmental, Marine, Aquatic Microbiology. Geomicrobiology • Industrial Microbiology - Future Bioindustries – Microfactories – Microbial Production of Chemicals and Pharmaceuticals
Thursday, 3 October	From 10:45 to 11:30	• Medical & Veterinary Microbiology - Antimicrobial agents (including antimicrobial surfaces and materials) and chemotherapy - Resistance • Microbial Physiology, Metabolism and Gene Expression • Food Microbiology • Biotechnologically Relevant Enzymes and Proteins
	From 17:00 to 17:45	
Friday, 4 October	From 10:45 to 11:30	• Biodeterioration & Biodegratation – Bioremediation • Methods and Techniques – Education • Biofilms
	From 16:45 to 17:30	

Posters are expected to be posted during the whole day assigned from 9:00 AM to 19:00 PM (approximately). Presenters are expected to be available for discussion of their posters during the corresponding sessions.

V International Conference on Environmental, Industrial and Applied Microbiology BioMicroWorld2013, Madrid (Spain), 2-4 October 2013	
9:00-11:00	**WEDNESDAY, 2 OCTOBER 2013 – MAIN HALL** **REGISTRATION & COFFEE** (Registration can also be done at any time during the Conference)

ORAL PRESENTATIONS

WEDNESDAY, 2 OCTOBER 2013 - (HALL 1)

Chair:

Agriculture, Soil, Forest Microbiology
Environmental, Marine, Aquatic Microbiology. Geomicrobiology

11:00-11:30	**Keynote: Bioethanol production by using solid-state fermentation** Prof. Seyed Abbas Shojaosadati, Tarbiat Modares University, Iran
11:30-11:45	**Function and regulation of a novel arsenic-resistance operon** Ren Zhang
11:45-12:00	**Role of Crk adaptor proteins in actin pedestals formed by enteropathogenic *Escherichia coli*** Narcisa Martinez Quiles
12:00-12:15	**Monitoring of faecal water pollution using 16S rRNA Bacteroides specific markers including novel dog-species primers** Khwam Hussein
12:15-12:30	**Incidence and survival of lipolytic organisms in domestic wastewater and receiving stream** Jadesola Babatunde Idowu Aderiye
12:30-12:45	**Effect of amino acid amendments on freshwater bacterioplankton community structure in experimental microcosms** Olesya Kolmakova
12:45-13:00	**Insights into the methylotrophic metabolism of *Desulfitobacterium* spp.** Félix Mingo
13:00-13:15	**Continuous production of microalgae *Chlorella sorokiniana* biomass enriched in selenomethionine** Zivan Gojkovic
13:15-13:30	**Modeling and analysis of a high cell density fermentation process for lactic acid production from lactose and biomass wastes** Alexander Mathews
13:30-15:00	**LUNCH BREAK (Lunch Area)**

Chair:

15:00-15:15	**Impact on Hydrogen Metabolism of physical interactions between *Desulfovibrio vulgaris* et *Clostridium acetobutylicum*** David Ranava
15:15-15:30	**Role of geomicrobiological interactions in lithic microbial ecosystems. From facilitating microbial life in extreme environments, to induce biodeterioration processes in our cultural heritage** Asunción de los Ríos Murillo
15:30-15:45	**Heterogeneous bacterial population as a tool for stone consolidation** Fadwa Jroundi
15:45-16:00	**The synergistic role of *Phragmytes australis* and *Kylinga nemoralis* in nutrient removal from a constructed rhizofiltration in Durban, South Africa: The case of the field experience** Mathews Mthembu
16:00-16:15	**Interaction of *Aspergillus fumigatus* conidia with *Acanthamoeba castellanii* parallels macrophage-fungus interactions** Julie Baré
16:15-16:30	**The plant microbiome in heavy metal contaminated soils and its role in mobilization, stabilization and plant accumulation of the contaminants** Angela Sessitsch
16:30-16:45	**Soil biofumigant treatments for control of the alien pathogen *Phytophthora cinnamomi*** María Esperanza Sánchez Hernández
16:45-17:00	**Variations in heavy metal tolerance among free living soil fungi with especial reference to *Aspergillus* isolates exposed to long-term metal contamination** Iqbal Ahmad
17:00-18:15	**POSTER SESSION & COFFEE BREAK (Main Hall)**

Chair:

18:15-18:30	**Potential of *Staphylococcus* sp. for improving growth and biomass yield of maize (*Zea mays* L.) irrigated with dye-contaminated water** Azeem Khalid
18:30-18:45	**Engineering of highly-effective symbiotic bacteria for the sustainable crop production: evolutionary research provides a panel of genetic opportunities** Nikolai Provorov
18:45-19:00	**Cyanobacterization: An Efficient Method of Soil Conditioning** Mehboob Ahmed
19:00-19:15	**Phylogenetic diversity among rhizobia isolated from the relict leguminous plant *Vavilovia formosa* (Stev.) Fed. growing in North Ossetia** Anastasia Kimeklis
19:15-19:30	**Chitinases diversity and bio-ecophysiology** Ben Amar Cheba

WEDNESDAY, 2 OCTOBER 2013 (HALL 2)

Industrial Microbiology - Future Bioindustries – Microfactories.
Microbial Production of Chemicals and Pharmaceuticals

	Chair:
11:30-11:45	**Potential of calorimetry and biothermodynamics for analysis and control of anaerobic biofuel synthesis** Thomas Maskow
11:45-12:00	**Biobutanol production from non-detoxified horticultural hydrolysate by a wild-type *Clostridium acetobutylicum* strain BOH3** Yan Yu Yan
12:00-12:15	**Multi-sensor system for non-invasive online analysis and control in bioreactors** Shwan Ciyako
12:15-12:30	**Evaluating industrial *E. coli* K–12 and BL21 strains in bioreactors during high-glucose batch and induced fed-batch mode** Karoline Marisch
12:30-12:45	**Systems metabolic engineering of *Corynebacterium glutamicum* – Sustainable production of chemicals from the hemicellulose sugar xylose** Rudolf Schäfer
12:45-13:00	**Effect of the potassium metabisulphite over the growth of *Saccharomyces cerevisiae* and *Dekkera bruxellensis* strains isolated from the alcoholic fermentation** Sandra Regina Ceccato-Antonini
13:00-13:15	**The thermophilic bacteria *Thermobacillus xylanilyticus* produces efficient hemicellulolytic cocktails to fractionate lignocellulosic biomass for biorefinery applications** Caroline Remond,Harivony Rakotoarivonina, Pierre-Vincent Revol
13:15-13:30	**Comparative studies on production and characterization of bacterial cellulose from *Acetobacter* sp. and application as carrier for cell culturing** Ashwani Mathur
13:30-15:00	**LUNCH BREAK (Lunch Area)**
	Chair:
15:00-15:15	**A novel isolated species of *Gluconacetobacter* and an optimized economic process for bacterial cellulose production therefrom** Firdaus Jahan
15:15-15:30	**Whole cell biocatalysis approach for synthesis of glyco-conjugates** Saroj Mishra
15:30-15:45	**Microbial Polymer: Bioprospection of novel poly(3-hydroxybutyrate-co-4-hydroxybutyrate) copolymer-producing bacteria from Malaysian environment** Amirul Al-Ashraf Abdullah
15:45-16:00	**Comparative Study of growth, chitin and chitosan production by *Cunninghamella elegans* and *Rhizopus arrhizus* using the ratio carbon/nitrogen - A factorial design** Thayza Christina Montenegro Stamford
16:00-16:15	**Fungal chitosan: a suitable biomaterial for cell culturing** Garima Mathur
16:15-16:30	**Coffee waste material as a complex carbon/nitrogen source for carotene-improved biomass production** Sinisa Petrik
16:30-16:45	**Poly-β-hydroxybutyrate (PHB) accumulation in *Bradyrhizobium japonicum* depends on proteins referred to as phasins** Ken-ichi Yoshida
16:45-17:00	**The global transcriptional factor PcRFX1 regulates the biosynthesis of penicillin in *Penicillium chrysogenum*** Rebeca Domínguez-Santos
17:00-18:15	**POSTER SESSION & COFFEE BREAK (Main Hall)**
	Chair:
18:15-18:30	**Microbial sterol catabolism: key enzymes to open the steroid ring system** Joseph Kreit
18:30-18:45	**Characterization of halocins produced by Haloarchaeal strains isolated from South Algeria** Nacéra Idres-Imadalou
18:45-19:00	**Design and construction of a processing plant for animal biological products in Uruguay** Vanessa Sosa, Jorge Baraibar
19:00-19:15	**Bio-Hydrogen generation potential from must and fruit juices waste carbohydrates** Francisco Jesus Fernandez Morales
19:15-19:30	**Production of electrogenic pigments from new fungal sources applied as electron shuttles in biofuel cells** Camilo Enrique La Rotta Hernandez
19:30-19:45	**Fabrication of a Pocket Friendly reusable water purifier using silver nano embedded porous concrete pebbles** Suman Suman
19:45-20:00	**Extracellular synthesis of selenium nanospheres by *Bacillus mycoides* strain SeITE01** Emanuele Zonaro
20:00-20:15	**Industrial production of shikimic acid: a switch from speculation to experimentation** Priyanka Tripathi
20:15-20:30	**Metabolic regulation analysis of Escherichia coli in view of gene expressions for simultaneous saccharification and fermentation (SSF)** Chy Mohammad Monirul Hasan

THURSDAY, 3 OCTOBER 2013 (HALL 1)

Medical & Veterinary Microbiology- Antimicrobial agents
(including antimicrobial surfaces and materials) and chemotherapy - Resistance
Microbial Physiology, Metabolism and Gene Expression

	Chair:
09:00-09:15	**Comparative analysis of Antimicrobial and antioxidant potential of *Ginkgo biloba* extract (EGb 761) and their microemulsions** Manisha Singh
09:15-09:30	**Inhibition of *Candida albicans* adhesion by the human antimicrobial peptide LL-37** Chung-Yu Lan
09:30-09:45	**Isolation of glycopeptide producing *Streptomyces* isolates via PCR-based genome screening for *oxyB* genes** Mobolaji Felicia Adegboye
09:45-10:00	**Gallic Acid and Cyclodextrins: Inclusion Complexes and Antimicrobial Activityity** Eva Pinho
10:00-10:15	**Sliding motility, biofilm formation and glycopeptidolipid production of *Mycobacterium colombiense* strains** Carlos Yesid Soto Ospina
10:15-10:30	**Functional analysis of virulence potential from *Gardnerella vaginalis* and other anaerobes commonly associated with Bacterial vaginosis** Nuno Cerca
10:30-10:45	**Spatial growth of *Mycobacterium tuberculosis* in lungs: the bubble model** Clara Prats Soler
10:45-11:30	**POSTER SESSION & COFFEE BREAK (Main Hall)**
	Chair:
11:30-11:45	**Comparative Antibacterial Activity of Short Cationic Homopeptides** Patricio Carvajal-Rondanelli
11:45-12:00	**Sulfidogenic anaerobic spore-forming *Tissierella* isolated from copper coins and human microbiome** Olga Karnachuk, Anna Gerasimchuk
12:00-12:15	**Restoration of methicillin resistant *Staphylococcus aureus* (MRSA) to β-lactams antibiotics by probiotic *Lactobacillus plantarum*** Jasim Al-Attwani
12:15-12:30	**Nano in Medicine: New horizons in Diagnosis of Meningitis** Suman Suman
12:30-12:45	**Genomic characterization of the *Staphylococcus epidermidis*-specific bacteriophage SEP1 and evaluation of its lytic activity against bacterial under different metabolic states** Luís Melo
12:45-13:00	**Bacterial membrane perturbation by native *versus* dry-heated lysozyme** Melanie Derde
13:00-13:15	**Determination of the chronic effects of antibiotic mixtures on resistance genes and microbial community structure within anaerobic sequencing batch reactors treating pharmaceutical wastewater** Emine Gozde Ozbayram
13:15-13:30	**Evaluation of the infectivity of viable but non-culturable forms of *Legionella pneumophila* generated after heat shock treatment using macrophage-like U937 and HL-60 cells and *Acanthamoeba polyphaga*** Thibaut Epalle
13:30-15:00	**LUNCH BREAK (Lunch Area)**
	Chair:
15:00-15:15	**TiO_2 polyethylene films (PE) pretreated by RF-plasma and UVC leading to bacterial inactivation under light with hydrophobic-hydrophilic conversion** John Kiwi
15:15-15:30	**Metal-semiconductor sputtered surfaces leading to an accelerated bacterial loss of viability under light irradiation** John Kiwi
15:30-15:45	**How does heat-shock affect the influence of titanium dioxide nanoparticles in growth and antioxidant power of *Saccharomyces cerevisiae* BY4741?** Joana Capela-Pires
15:45-16:00	**Photodynamic inactivation of important periodontopathogens with Zn-phthalocyanines** Mareita Belcheva
16:00-16:15	**Silver nanoparticles synthesized by *Dioscorea bulbifera* as novel antimicrobial, antibiofilm and antileishmanial agents** Sougata Ghosh
16:15-16:30	**Interactive effects of inducer gas, treatment time and mode of exposure on atmospheric cold plasma inactivation of bacteria and spores inside a sealed package** Paula Bourke
16:30-16:45	**Performance of culture media for the isolation and identification of *staphylococci* associated with bovine mastitis** Juan José Valdez-Alarcón, Gerardo Uriel Bautista-Trujillo
16:45-17:00	**Modular distribution of simple sequence repeats in the Xr región of the spa gene in *Staphylococcus aureus* isolates from backyard farms** Juan José Valdez-Alarcón, Carlos Alfredo Carmona-Gasca
17:00-17:45	**POSTER SESSION & COFFEE BREAK (Main Hall)**
	Chair:
17:45-18:00	**Emergence of Multidrug-Resistant Gram-negative Bacteria Co-producing Extended-Spectrum β-Lactamase and RmtB/RmtD Methylases in Horses, Brazil** Lucianne Leigue dos Santos
18:00-18:15	**Challenges of Campylobacter Bacteriophage Application** Nikolaja Janez

18:15-18:30	**Involvement of Bacteriophage in the HGT of Shiga toxins among Enteric Pathogen** Magdy Amin, Tamer Essam Ez-ELDeen
18:30-18:45	**Enhancement of the utilization of bioactive glucosylcermide by the newly strain isolated from dog feces** Narito Asanuma
18:45-19:00	**Arsenic resistance genes from a Colombian microbial metagenome** Sergio Mauricio Latorre Ochoa
19:00-19:15	**A *Bacillus subtilis* cell factory to produce syllo-inositol, a disease-modifying therapeutic agent for Alzheimer's disease** Kosei Tanaka
19:15-19:30	**Anhydrobiosis in yeasts: current achievements and trends** Alexander Rapoport
19:30-19:45	**RNAi in fungi using gold nanoparticles (AuNPs) synthesized via green chemistry to deliver and release siRNA into A. flavus and A. parasiticus thereby, facilitating aflD (Nor-1) gene silencing** Velaphi Clement Thipe
19:45-20:00	**Influence of the *Mycobacterium tuberculosis* DosR regulator on the Na+/K+ ATPase activity of mycobacterial plasma membrane** Carlos Yesid Soto Ospina
20:00-20:15	**Chronic Effect of Erythromycin on Acetoclastic Methanogens** Orhan Ince
20:15-20:30	**Physioco-chemical and biological indices of parasites ditribution in Adada River at Uzo-Uwani and Igbo-Etiti Local Government Areas in Enugu State, Nigeria** Emmanuel Chike Amadi

THURSDAY, 3 OCTOBER 2013 (HALL 2)

Food Microbiology
Biotechnologically Relevant Enzymes and Proteins

Chair:

09:00-09:15	**Biochemical and molecular evaluation of the antilisterial effect of bacteriocinogenic *Lactobacillus sakei* subsp. *sakei* 2a in an innovative dairy spread product** Rafael Chacón Ruiz Martínez
09:15-09:30	**Phenotypic and genotypic characterization of *Listeria monocytogenes* and *Salmonella* spp. and quantification of indicator microorganisms in different steps of bovine slaughter in southern Brazil** Eduardo Cesar Tondo
09:30-09:45	**Introduction of integrated surveillance system of listeriosis in northern Italy (2012): molecular subtyping of human and food-environment *Listeria monocytogenes* isolates** Ettore Amato
09:45-10:00	**Role of cell immobilization in heat-induced sublethal injury of *Escherichia coli*, *Salmonella Typhimurium* and *Listeria innocua*** Estefania Noriega Fernandez
10:00-10:15	**The impact of using acidic food additives on gene expressions of acid tolerant species of *Salmonella Typhimurium* at 30°C** Haider Al-Khanaq
10:15-10:30	**Inhibition of acid resistant species of *Salmonella* on raw chicken meat by using combination of natural food additives** Haider Al-Khanaq
10:30-10:45	**Rapid and culture-independent detection of *Salmonella* in dairy milk by Real-time PCR** Vijeshwar Verma
10:45-11:30	**POSTER SESSION & COFFEE BREAK (Main Hall)**

Chair:

11:30-11:45	**Importance of eggshell cuticle integrity for avoiding *Salmonella* contamination in table-eggs** Arantxa Muñoz Pérez del Pulgar
11:45-12:00	**Combined use of carvacrol and 1,8-cineole at sublethal amounts to control *Pseudomonas fluorescens* in minimally processed leafy vegetables** Evandro de Souza
12:00-12:15	**Identification of contributing factors for microbiological contamination of organic Lettuce produced in Southern Brazil** Eduardo Cesar Tondo
12:15-12:30	**Novel approach to the microbial decontamination of wheat sprouts: photoactivated chlorophillin-chitosan complex** Zivile Luksiene
12:30-12:45	**Multiple Starter Cultures Fermentation of Soybean Daddawa- A Condiment** Adelodun Lawrence Kolapo

12:45-13:00	***Yersinia enterocolitica* behavior in the presence of the bacterivorous *Acanthamoeba castellanii.*** Ellen Lambrecht
13:00-13:15	**Survival of foodborne pathogens in *Acanthamoeba castellanii* cysts** Ellen Lambrecht
13:15-13:30	**The effects of varying salt and fat contents on the viability, permeabilisation, autolysis and intracellular enzyme release from a commercial starter culture during Cheddar cheese ripening** Palina Yanachkina
13:30-15:00	**LUNCH BREAK (Lunch Area)**
	Chair:
15:00-15:15	**Production of a malolactic fermentation starter culture using autochthonous *O. oeni* strains to reduce the histamine content in red wine** Carmen Berbegal
15:15-15:30	**Production and purification of milk-clotting protease produced by local fungal *Mucor* sp. in solid cultures** Souhila Bensmail, Fethia Fazouane
15:30-15:45	**Estimation of the extent of partitioning of starter bacteria and added enzyme activities between curd and whey during Cheddar cheese manufacture** Martin Wilkinson
15:45-16:00	**Practical and Novel Sterilization Approach to Control Major Pathogenic Bacteria on Meat** Fatimah Abu Bakar
16:00-16:15	**Investigating candidate factors influencing Bovine Spongiform Encephalopathy rapid test sample quality in a beef abattoir** Thomas Kennedy
16:15-16:30	**Food application of fibersol-2 desalted by yeast and calcium chelated fibersol-2** Diallo Souaibou, Aboubacar Oumar Bangoura
16:30-16:45	**Microbial diversity of Tayohounta, a naturally fermented baobab flavour food of Benin** Flora Josiane Chadare
16:45-17:00	**Application of Pulsed Electric Fields for Enrichment of *Saccharomyces cerevisiae* with Zinc** Urszula Pankiewicz, Monika Sujka
17:00-17:45	**POSTER SESSION & COFFEE BREAK (Main Hall)**
17:45-18:00	**Physiological dynamics of *Escherichia coli* K12 surface colony cells** Jan Van Impe
18:00-18:15	**Exopolysaccharides of *Oenococcus oeni*: from genomic analysis to the elucidation of their physiological role during malolactic fermentation** Marguerite Dols-Lafargue, Maria Dimopoulou
18:15-18:30	**Engineering pH tolerance into the cyanide degrading enzyme CynD** Michael Benedik
18:30-18:45	**Characterisation and recombinant expression of three *Lucilia sericata* lysozymes** Ivana Valachová
18:45-19:00	**Cloning and characterization of three compost metagenome-derived α L arabinofuranosidases with differing thermal stabilities** Brent Fortune
19:00-19:15	**Molecular and functional aspects of bacteriophage endolysins** Hugo Oliveira
19:15-19:30	**Screening for new fungi with oxidasic activity applied in-situ as biocatalysts for biofuel cells** Camilo Enrique La Rotta Hernandez
19:30-19:45	**Metabolic alteration by introducing bifunctional formaldehyde-fixing enzyme into the methylotrophic bacterium** Hiroya Yurimoto
19:45-20:00	**Microbial nitrile-synthetic enzyme involved in C-N triple bond formation: Unique function and reaction** Michihiko Kobayashi
20:00-20:15	**The Structural and Functional Studies of the Non-stereospecific α-Haloacid Dehalogenase (DehE) from *Rhizobium* sp. RC1** Azzmer Azzar Abdul Hamid
20:15-20:30	**Purification and characterization of alkaline protease with feather degradation from the recombinant strain of *Bacillus subtilis* dnaC 30 temperature sensitive mutant** Malika Alili

FRIDAY, 4 OCTOBER 2013 (HALL 1)

Methods and Techniques
Biodeterioration & Biodegratation – Bioremediation

	Chair:
09:00-09:15	**Imaging flow cytometry : a new era in imaging - Application to microbial population of activated sludge monitoring** Audry Prorot
09:15-09:30	**Effects of must and fruit juice wastewater COD loading rate on bio-electrochemical COD sensors** Francisco Jesus Fernandez Morales
09:30-09:45	**Fast Bacterial Identification by Laser Induced Breakdown Spectroscopy** Sadia Manzoor
09:45-10:00	**A Microbiological Assessment Scheme To Evaluate The Feed Safety Management System In A Category 3 Fat Melting Establishment** Thomas Kennedy
10:00-10:15	**Recovering environmental microorganisms for ex-situ oil sands process water remediation** Marc Demeter
10:15-10:30	**Biodiesel and vegetable oils in environment: biodegradation and toxicity through colorimetric analysis** Ederio Bidoia
10:30-10:45	**Respirometric method applied to the biodegradation of mixtures of diesel and biodiesel** Paulo Lopes
10:45-11:30	**POSTER SESSION & COFFEE BREAK (Main Hall)**
	Chair:
11:30-11:45	**Rhamnolipids and chemical surfactants applied to waste lubricant oil biodegradation** Paulo Lopes
11:45-12:00	**A study of mechanisms of ligninolytic fungi to biodegrade chlorinated aromatic pollutants** Tomas Cajthaml
12:00-12:15	**Bioremediation strategies based on Pseudomonas sp. strain ADP for worst-case scenarios of soil contamination with herbicidal formulations containing atrazine or terbuthylazine** Cristina A Viegas
12:15-12:30	**Arthrobacter aurescens TC1 as an efficient bioaugmentation bacterium for soils contaminated with s-triazine herbicides** Vera Silva
12:30-12:45	**Enhanced microbial mobilization for Arsenic Bioremediation of contaminated Soils** Liwia Marlena Rajpert
12:45-13:00	**Effect of cyanides addition on algal-bacterial treatment of a mixture of organic pollutants in a continuous photobioreactor** Tamer Essam Ez-ELDeen
13:00-13:15	**Colorimetric and phytotoxic assays used for contaminated soil** Ederio Bidoia
13:15-13:30	**Phytoremediation with an aid of rhizobacterial activity: Siderophore-enhanced plant uptake of arsenic from soil** Kyoungphile Nam
13:30-15:00	**LUNCH BREAK (Lunch Area)**
	Chair:
15:00-15:15	**Organosulfur compounds stimulate biosurfactants production by *Pseudomonas aeruginosa*: Potential for bioremediation** Wael Ismail El Moslimany
15:15-15:30	**Evaluation of biodegradation process of textile azo dye in solution by *Aspergillus oryzae* by UV-VIS and FTIR analysis** Graziely Cristina dos Santos
15:30-15:45	**Decolorization of azo dyes by membrane bound azoreductase of *Shewanella* sp.** Muhammad Arshad
15:45-16:00	**Degradation of sulfonamide antibiotics by *Microbacterium* sp. strain BR1, initiated by ipso-hydroxylation** Benjamin Ricken
16:00-16:15	**Development of immobilized bio-palladium nanoparticles for dechlorination process in marine environment** Baharak Hosseinkhani
16:15-16:30	**Identification of chloroform reductive dehalogenase in Desulfitobacterium** Siyan Zhao
16:30-16:45	**Bioremediation potential of a novel phosphate solubilizing bacteria *Pantoea* sp. isolated from Tunisian phosphogypsum** Houda Trifi
16:45-17:30	**POSTER SESSION & COFFEE BREAK (Main Hall)**
17:30-17:45	**The implications of nitrogen on the fermentative growth extension of *Saccharomyces cerevisiae* by isoproturon** Marta Candeias
17:45-18:00	**Biological remediation of alkaline cement kiln dust for sustainable environment** Kunal
18:00-18:15	**Efficient Biodegradation of a phenanthrene and anthracene mixture by a consortium isolated at the Colombian Caribbean Sea and evaluation of some environmental factors** Melody Christine Cabrera Ospino

18:15-18:30	**Lipid composition in *Saccharomyces cerevisiae* wine strains rehydrated in the presence of metabolic activators (Presentation from other session moved due to authors' restrictions)** Patricia Díaz-Hellín Patiño
18:30	**CONFERENCE CLOSURE**

FRIDAY, 4 OCTOBER 2013 (HALL 2)

Biofilms

Chair:

09:00-09:30	**Keynote: Origin and spread of antibiotic resistance from environmental microorganisms to human pathogens and back** José Luis Martínez, Spanish National Centre for Biotechnology-CSIC, Spain
09:30-09:45	**What does calorimetry tell us about biofilm resistance against antibiotics, predatory bacteria or phages?** Thomas Maskow
09:45-10:00	**Contributions of time-resolved fluorescence imaging to study biofilms inactivation with antimicrobials** Marie-Pierre Fontaine-Aupart
10:00-10:15	**Biofilm production and antibiotic resistance of *Staphylococcus aureus* on Conjunctival Swab taken from Diabetic Patients** Merih Kivanç, Sertaç Argun Kivanç
10:15-10:30	**Comparison of two methods to evaluate biofilm production by diabetic foot ulcer staphylococci isolates** Carla Mottola
10:30-10:45	**A first new look into the interaction of *Staphylococcus epidermidis* biofilm-released cells with the host immune system** ÂngelaFrança
10:45-11:30	**POSTER SESSION & COFFEE BREAK (Exhibition Hall)**

Chair:

11:30-11:45	**Quantitative analysis of initial adhesion of bacterial vaginosis anaerobes in ME-180 cells** António Machado
11:45-12:00	**Effect of magnetic hyperthermia on Pseudomonas fluorescens planktonic cells and biofilms** Diana Alexandra Ferreira Rodrigues
12:00-12:15	**Characterization of bacterial biofilms in biliary stents retrieved from patients with biliary diseases** Chetana Vaishnavi
12:15-12:30	**Is biofilm formation ability of *Salmonella enterica* serovar 1,4,[5],12:i:- related with antimicrobial resistance and multidrug resistant profiles?** Rui Seixas
12:30-12:45	**Emergence of a synergistic diversity as a response to intra-specific competition in mixed biofilm** Arnaud Bridier
12:45-13:00	**Indole Compounds Control Biofilm Formation and Pathogenesis in Diverse Bacteria** Jintae Lee

13:00-13:15	**Inhibition of bacterial quorum sensing by natural products from marine microorganisms** Sergey Dobretsov
13:15-13:30	**Chitosan: An inhibitor of *Streptococcus mutans* adhesion and biofilm formation** Eduardo Costa
13:30-15:00	**LUNCH BREAK (Lunch Area)**
	Chair:
15:00-15:15	**From marine natural products to original synthetic antibiofilm leads: toward greener antifouling solutions** Yves Blache
15:15-15:30	**Insights into the antibiofilm activity of ubiquitous phenolic acids** Sara Silva
15:30-15:45	**Atmospheric cold plasma: Promising tool for biofilm removal** Paula Bourke
15:45-16:00	**Violacein production and biofilm formation in *Pseudoalteromonas ulvae* TC14 isolated in Mediterranean Sea: Regulation by exogenous AHLs.** Mireille Aye
16:00-16:15	**Nitrifying bacteria generate Microbial Induced Corrosion (MIC) in recirculating cooling water system of Nitrogenous Fertilizer Industry** Nita Naik
16:15-16:30	**Early-stage monitoring and elimination of bacterial biofilms in industrial water lines: how to solve problems before it is too late** Giovanni Pavanello
16:30-16:45	
16:45-17:30	**POSTER SESSION & COFFEE BREAK (Exhibition Hall)**

POSTER PRESENTATIONS (MAIN HALL)

WEDNESDAY, 2 OCTOBER 2013 **From 17:00-18:15** Agriculture, Soil, Forest Microbiology Environmental, Marine, Aquatic Microbiology. Geomicrobiology Industrial Microbiology - Future Bioindustries – Microfactories Microbial Production of Chemicals and Pharmaceuticals		
Code	**Title**	**Presenter(s)**
W1	Prevalence of American foulbrood in *Apis mellifera intermissa* colonies in mid-northern region of Algeria	Noureddine Adjlane
W2	Effect of seaweed and salt stress on antioxidant parameter of tomato (*Lycopersicon esculentum* Mill.)	Basheer Abdulhamzah Mohammed Alalwani
W3	Role of bacterial auxin signaling in plant growth promotion	BasharatAli
W4	Control of *Verticillium* wilt of olive with *Allium* spp. extract-based formulation	Alberto Baños Arjona
W5	Beneficial impact of endophytic *Enterobacter radicincitans* on tomato	Beatrice Berger
W6	Role of katA and katG genes in the maintenance of culturability of *Erwinia amylovora* under conditions inducing the viable but nonculturable (VBNC) state	Elena G.Biosca
W7	Molecular responses of *E. amylovora* to low temperatures in oligotrophic conditions	Elena G. Biosca
W8	Microbial community structure and Fusarium-suppressive potential of soil under different management systems	Samanta Bolzan de Campos
W9	Characterization of plant growth-promoting bacteria isolated from the rhizosphere of metal tolerant plant species from Pb/Zn mine tailings	Aritz Burges
W10	Effects of Agaricus lilaceps Fairy Rings on Soil Aggregation and Microbial Community Structure in Relation to Growth Stimulation of Western Wheatgrass (*Pascopyrum smithii*)	TheCan Caesar-TonThat
W11	The Effects of Plant Pathogens on Native Plant Restoration: Two Cases	TheCan Caesar-TonThat
W12	Growth kinetics under different culture conditions for biomass production by the fungi *Rhizopogon roseolus* and *Lactarius quieticolor*	Daniel Chávez
W13	Biodegradation of a lignocellulosic substrate by composting and follow-up of the humic acids by thermochemolysis	Fatima Zahra Elouaqoudi
W14	Study of the biological activity of the entomopathogenous *Beauveria bassiana* (Vuil., 1912) on the biochemistry and structure of the cuticle of *Schistocerca gregaria* (Forskål, 1775)	Sahir Halouane Fatma
W15	Optimization of drying effect on antimicrobial activity and chemical composition of *Pistacia lentiscus* L. essential oils	Fethia Fazouane
W16	Short-term impact of CO_2 simulated leakage on soil microbial communities	Irena Fernandez Montiel
W17	Cover crops, arbuscular mycorrhizal fungi and soil aggregate stability	Irene García González
W18	Microbial activity and glomalin-related soil proteins as affected by aluminum toxicity	Irene García González
W19	Biological treatment of an aqueous extract from dry olive residue can alleviate its phytotoxic properties on tomato plants inoculated with arbuscular mycorrhizal fungi	Mercedes García Sánchez
W20	Characterization of Native Isolates of *Bacillus thuringiensis* Strains from Sudan	Naiema Gorashi
W21	Bacteria and denitrifying communities patterns after long-term land-use change in Brazilian sub-tropics	Dennis Goss de Souza
W22	Photodynamic inactivation of plant pathogenic fungi by 405-nm light	Kiyoshi Imada
W23	Linking N_2O emission with microbial activity, number and diversity in two soils planted with two rice cultivars	Pilar Irisarri
W24	Characterization of rhizosphere fungi that induce resistance in tomato against bacterial wilt disease through biosynthesis of defence enzymes	Shin-ichi Ito Ito
W25	Reuse of sewage sludge and tree pruning on the composting	Roziana C.C. Jordão
W26	Arbuscular Mycorrhizal fungal diversity in saline-alkaline soils of Turkey	Tomoyuki Kaidzu
W27	Distinctive features of polyphenol oxidase in wood hedgehog (*Hydnum repandum*)mushroom	Ezzatollah Keyhani, Jacqueline Keyhani
W28	Effect of glycosides extracted from the medicinal plant *Glycyrrhiza glabra* L. in the region of djamaa (south of Algeria) on the growth of some bacteria	Soulef Kriker
W29	Fruiting body productions of basidiomycetous mushrooms using blue LED light	Yasumasa Miyazaki
W30	Optimisation of process parameters for growth and bioactive metabolite production by *Streptomyces* sp. AH281 isolated from forest soil	Sonia Mokni-Tlili
W31	Evaluation of *Syzygium aromaticum* extract to control *Thielaviopsis paradoxa* fungus	Silvana Perissatto Meneghin
W32	Microbial functional diversity of antarctic soils from Arctowski Polish Antarctic Station region	Małgorzata Piotrowska
W33	Function and activity of sorgum rhizosphere bacterial community under different abiotic stresses	Agustín Probanza Lobo
W34	Investigating carbon translocation and methane emission in flooded rice microcosms with a manipulated root microbiome using 13C pulse-labeling	Judith Pump
W35	Potential of mid-infrared spectroscopy for the identification of plant pathogenic fungi	Carla Bernardete Rodrigues Barradas
W36	Isolation of *Clostridium botulinum* from Algerian soils	Rym Salah-Tazdait
W37	Soil microbial activity and functional diversity in declining cork oak forests (Doñana National Park, SW Spain)	María Esperanza Sánchez Hernández
W38	Genetic diversity and pathogenicity of *Fusarium oxysporum* f. sp. cepae isolated from Japanese bunching onion and white onion in Japan	Kazunori Sasaki
W39	Methanotrophs and methanogens in the rice endophyte microbiome	Angela Sessitsch

W40	Isolation of the Rhizobiums in the Effects of Salinity	Sarah Sobti
W41	Cyclo-(Pro-hydroxy-Tyr), a novel secondary metabolite produced by *Streptomyces* sp. 8812	Jolanta Solecka, Joanna Ziemska
W42	Effect of bioprotector with diazotrophic free-living bacteria and fungic chitosan on yield and nutritional status of grape (*Vitis labrusca* cv. Isabel) applied at two depths	Newton Pereira Stamford
W43	Influence of denitrifiers abundance on N_2O emissions in long term tillage system under a rainfed legume crop	Angela Tellez del Rio
W44	Free living Nitrogen-fixing bacteria from rhizosphere of *Portulaca oleracea* cultured in chinampa soil	María Soledad Vásquez Murrieta
W45	Effect of different fertilizers on soil bacterial communities analyzed by 16S fingerprinting and barcoding	Marina Zanardo
W46	Is bacterial flora present in red tomato crops potentially pathogens for human beings?"	Rocío Pérez-y-Terrón
W47	Grape schorch, a disease with new microbial coasal agent	Maryam Ghayeb Zamharir
W48	Comparative gene expression analysis of tolerance citrus during infection by *Candidatus Leiberibacter asiaticus*	Maryam Ghayeb Zamharir
W49	Siloing of wheat straw while using of enzymes of mycelial fungi	Khursheda khamidova
W50	Taxonomic characterization of a novel microbe isolated from soil	Shinawar Waseem Ali
W51	Enhancement of tolerance of Argania spinosa to drought stress by actinomycetes	Abdelghani Chakhchar
W52	Comparative biosorption assessment of Ni (II) and Al (III) from aqueous solution by metalworking fluid acclimated bacterial biofilms	Lakshmi Manjoosha Adapa
W53	Changes in the microflora and chemical components of domestic oil-rich wastewater	Jadesola Babatunde Idowu Aderiye
W54	Microbial community associated with black powder in natural gas pipelines	Majed Albokari
W55	Enrichment of microorganisms able to transform chlorinated benzenes from marine subsurface sediments	Camelia Algora
W56	Identification and abundance of *Thiothrix* in wastewater treatment plants treating domestic wastewater using fluorescence in situ hybridization	José Luis Alonso Molina
W57	Identification and abundance of filamentous bacteria in a membrane bioreactor treating domestic wastewater	José Luis Alonso Molina
W58	Decline in glutathione peroxidase and cytoplasmic catalases by lindane may cause an increase of reactive oxygen species in *Saccharomyces cerevisiae*	Rui Manuel Alves Ferreira
W59	Correlating exoenzyme activities, operational parameters, cellular viability and EPS in a membrane bioreactor treating domestic wastewater	Inmaculada Amoros
W60	A comparison of methods used to extract bacterial DNA from a membrane bioreactor treating domestic wastewater	Inmaculada Amoros
W61	In vitro and in vivo assessment of Lactic Acid Bacteria of aquatic origin as probiotics in turbot (*Scophthalmus maximus* L.) farming	Carlos Araújo, Estefanía Muñoz Atienza
W62	Nisin Z production by *Lactococcus lactis* WF6-67 as a defense mechanism to protect rainbow trout (*Oncorhynchus mykiss*) against Lactococcus garvieae infection	Carlos Araújo, Estefanía Muñoz Atienza
W63	An individual-based model for the study of *Paracoccus denitrificans*, a denitrifying bacterium	Pablo Alejandro Araujo Granda
W64	BIOCORIN-New Biocoating for corrosion inhibition in metal surfaces	Rafael Balaña Fouce
W65	A study into the microbial diversity present in footwear industry waste treatment tanks	Marcelo Bertazzo
W66	*Stenotrophomonas* sp. exopolysaccharides produced during aerobic growth can reduce selenite to red elemental selenium	Maria Cristina Bertolini
W67	Bacterial community structure in Antarctic freshwater lake Yukidori-Ike	Aoi Chaya
W68	Identification of secondary metabolite gene clusters in isolates of the *Microbacteriaceae* family showing heavy metal mobilization activity	Erika Corretto
W69	Molecular biodiversity of ciliate metallothioneins: a gene response to metal stress	Patricia de Francisco Martínez
W70	Impact of salinity wargla's waters on the behavior of spirulina	Afaf Djaghoubi
W71	Selenate effect on growth, cell morphology, protein expression and SeMet accumulation of *Chlorella sorokiniana* cultivated in batch culture	Zivan Gojkovic
W72	Thionation of diphenylarsinic acid (DPAA) by sulfate-reducing bacteria under anoxic soil conditions	Ling Guan
W73	Survival and persistence of faecal Bacteroides species as faecal indicators and the recovery of 16S rRNA markers under controlled conditions	Khwam Hussein
W74	Fermentative pathways for the energy generation in *Dinoroseobacter shibae*	Jenny Jacobs
W75	Quorum Sensing, Quorum Quenching and plants. A brief and basic review.	Pedro Antonio Jimenez Gómez
W76	Barite precipitation by marine bacteria isolated from Mediterranean seawater	Fadwa Jroundi
W77	Effects of nano-silver, nano-neodymium and nano-indium on the production of extracellular enzymes and the growth of basidiomycetous and ascomycetous fungi	Mika Kähkönen
W78	Resistance to sulfonamides determined by sul genes among bacteria isolated from "Czajka" wastewater treatment plant in Warsaw, Poland	Agata Krawczyk-Balska
W79	Use of plant growth-promoting bacteria in phytoremediation protocols for the reclamation of high level As polluted soils	Silvia Lampis
W80	Isolation, Identification and Phenotypic Characterization of *Rhizopus microspores* var. *chinensis*, *Rhizopus microspores* var. *microspores* and *Rhizopus stolonifer* isolated from soil of the Caatinga in Pernambuco, Brazil	Luciana de Oliveira Franco
W81	CorE2, a new member of the CorE-like ECF sigma factors	José Muñoz-Dorado, Juana Pérez Torres
W82	Differences in cellular ATP levels in *Acidithiobacillus ferrooxidans* oxidizing ferrous iron and elemental sulfur	Eva Pakostova
W83	The influence of abiotic factors on colonization of historic buildings in the former Auschwitz II-Birkenau concentration camp by bacteria, fungi, algae and lichens	Małgorzata Piotrowska
W84	Prevalence of tetracycline and streptomycin resistance in the	Magdalena Popowska

	wastewater treatment plant	
W85	Assessment of bacterial persistence in mosquitoes according to microinjection assays in Belgium	Fara Nantenaina Raharimalala
W86	Metaproteomic analysis of termite hindgut consortiums cultivated from artificially-fed termites	Fara Nantenaina Raharimalala
W87	Effect of arginine dentifrice on the microbial diversity of root caries biofilms	Maria Paula Rando Meirelles
W88	Endophytic Bacteria associated with plant resistant to heavy metals and their arsenic transformation	Brenda Román Ponce, María Soledad Vásquez Murrieta
W89	Application of the biosurfactant from *Pseudomonas* sp. in the removal of hydrophobic contaminants	Leonie Sarubbo
W90	Production of biosurfactants by *Pseudomonas* species cutlivated in low-cost substrates	Leonie Sarubbo
W91	Characterization of Aspergillus niger isolated from soil of Caatinga (Pernambuco, Brazil) with potential to produce biosurfactants	Grayce Kelli Barbosa Silva
W92	Thermostabilization-directed gene evolution using adaptive mutations in the thermophile *Geobacillus kaustophilus* HTA426	Hirokazu Suzuki
W93	Effect of chemical elements present in rock phosphate on its solubilization by microorganisms and how to moderate it	Nikolay Vassilev
W94	Effect of abiotic stress factors on phosphate solubilization by acid-producing *Aspergillus niger* in submerged and solid-state fermentations	Maria Vassileva
W95	The abundance of *Vibrio* spp. and *Aeromonas* spp. in Georgian freshwater and marine environment	Nino Mitaishvili
W96	Promising antibacterial, antifungal, antiviral and larvicidal activities of greenly synthesized silver nanoparticles in *Citrullus colocynthis* aqueous extracts	Abeer Khairy Abdulall
W97	Simultaneous production of biosurfactant and omega 3 and 6 by *Candida glabrata* (UCP 1556) from industrial waste	Roberto Albuquerque Lima
W98	The importance of acetic acid and glucose in microbiological production of xylitol from sugarcane bagasse hemicellulosic hydrolysate	Maria das Graças Almeida Felipe
W99	Development of a production strategy in batch culture of *Piscirickettsia salmonis* with controlled dissolved oxygen and pH.	Claudia Altamirano
W100	Biotechnology production of fungal chitosan using waste of shrimp industry	Antonio Cleyton Arruda de Azevedo Costa
W101	Controlled simultaneous production of pullulan and poly-L-malate by *Aureobasidium pullulans*	Pavla Benešová
W102	Microbial degradation of different forms of PHA	Pavla Benešová
W103	Biosurfactant production by *Cunninghamella echinulata* using corn steep liquor and soybean oil post-frying	Lucia Raquel Ramos Berger
W104	Simultaneous effect of methanol-sorbitol mixtures and culture temperature on the heterologous production of *Rizhopus oryzae* lipase (ROL) in continuous cultures of *Pichia pastoris*	Juilo Berrios
W105	Effect of dilution rate and methanol-glicerol mixed fed on heterologous *Rhizopus oryzae* lipase (ROL) produced by *Pichia pastoris* using response surface methodology in continuous culture	Juilo Berrios
W106	Extraction of *Jonesia denitrificans* xylanases by PEG 6000/phosphate salts	Nawel Boucherba
W107	Biological pre-treatment with white-rot fungi improves the saccharification of cellulose of *Eucaliptus grandis* sawdust	Adelar Bracht, Rosane Marina Peralta
W108	Adaptation of sessile and planktonic microbial communities in BES	Arnaud Bridier
W109	Lipasidic enzymatic extracts from wild microbial strains sampled and selected in animal fats environments, applied as biocatalysts to produce biofuel that integrates glycerine.	Juan Calero
W110	Lipid production by *Mortierella isabellina* using agro-industrial wastes	Galba Maria Campos-Takaki
W111	Biosurfactant production by *Bacillus licheniformis* and *Bacillus subtilis* using alternative substrates	Fabiola Carolina Gomes de Almeida
W112	Growth and fermentation performances of a *Meyerozyma guilliermondii* strain in synthetic media and sugarcane bagasse hydrolysate for ethanol production	Sandra Regina Ceccato-Antonini
W113	High production of nystose from sucrose by *Bacillus subtilis* natto	Maria Antonia Celligoi
W114	Optimization of medium culture for hyaluronic acid production by *Streptococcus zooepidemicus*	Maria Antonia Celligoi
W115	Simultaneous Sacharification and Fermentation Applied to Coffee Husk alkaline pre-treated for 2G ethanol production	Silvio Silvério da Silva
W116	Innovated approach to produce 2G ethanol from sugarcane bagasse hydrolysate by immobilized cells of a xylose-fermenting yeast isolated from Brazilian forest	Silvio Silvério da Silva
W117	Isolation of calcite-forming bacteria from buildings of Colombia	Pedro Filipe de Brito Brandão
W118	Two novel exopolysaccharides of *Lactobacillus johnsonii* FI9785 and their functional roles	Enes Dertli
W119	Agitation rate influences the production of biopolymers by Azotobacter vinelandii in continuous cultures conducted at different growth rates	Alvaro Díaz
W120	Resveratrol production in bioreactors using DoE optimization – assessment of physiological states by flow cytometry and plasmid segregational instability by real-time qPCR	Fernanda Domingues
W121	Identification and characterization of PcFKH1, a novel penicillin regulator in *Penicillium chrysogenum*	Rebeca Domínguez-Santos
W122	Production of lutein and astaxanthin by *Chlorella zofingiensis* in continuous culture	Mercedes García-González
W123	Analysis of the production of hydrogen and ethanol by *E. coli* single mutant strains grown on a glycerol based medium	Jose Manuel Gomez Montes de Oca, Gema Cabrera Revuelta
W124	Impact of organic load on Bio-Hydrogen generation	Araceli Gonzalez del Campo García Villarubia
W125	Economic evaluation of Bio-Hydrogen generation processes.	Araceli Gonzalez del Campo García Villarubia
W126	Differential sensitivity to low pH in non-proliferative conditions displayed by *Lactobacillus fermentum* and strains of *Saccharomyces cerevisiae* with different colony and cell phenotypes	Ana Paula Guarnieri Bassi, Vanda Renata Reis
W127	Effect of the combined treatment of ethanol and low pH in successive cycles on the growth of yeast and bacterial contaminants from the ethanolic fermentation	Ana Paula Guarnieri Bassi, Vanda Renata Reis
W128	Claviceps purpurea as a factory producing ergot alkaloids	Helena Hanosová

W129	Modeling and optimization of growth and halocin production by the Haloarchaeal strain SWO25 through factorial design	Nacéra Idres-Imadalou
W130	Inhibiting of microbiological inducing corrosion by using of chemicals and biological Process	Salima Kebbouche-Gana
W131	Improvement of Lignocellulose-Derived Fermentation Inhibitor Resistance of *Saccharomyces cerevisiae* KL5 for Ethanol production	Keun Kim
W132	Chitin/Chitosan-Like Bioflocculant Synthetic Pathway and Genes in *Citrobacter freundii* IFO 13545	Kazuyuki Kimura
W133	Effects of electromagnetic fields on bacteria *Rhodococcus erythropolis*	Lucie Křiklavová
W134	Obtention of lipasidic enzymatic extracts from wild strains sampled in vegetable oil enviroments, as their evaluation and selection as biocatalysts in the ethanolisis of triglycerides to produce biofuel that integrates glycerine	Carlos Luna
W135	Optimization of biotransformation from phytosterols to androstenedione	Rodrigo Mancilla
W136	Growth and production properties of red yeast cultivated on lignocellulose waste substrates	Petra Matoušková
W137	Effect of oxygen transfer rate on cellulases production in stirred tank and internal-loop airlift bioreactors	Michele Michelin
W138	Evaluation of autohydrolysis process for cellulases production by *Aspergillus niger* van Tieghem using corncob biomass	Michele Michelin
W139	Decomposition of rice chaff by co-cultivation system of *Thermobifida fusca* and *Ureibacillus thermosphaericus*	Sachiko Nakamura
W140	Metabolic engineering of *Pichia methanolica* for 1,3-propanediol (1,3-PDO) production from crude glycerol.	Agnieszka Olejnik-Schmidt
W141	*Avena nuda* as raw material for L-lactic acid production	Anna Otlewska
W142	Production of rhamnolipid biosurfactant from glycerol by *Pseudomonas aeruginosa*	Magdy Amin
W143	Effect of different concentrations of banana flour and corn steep liquor on growth radial *Cuninghamella echinulata* using design factorial	Maria Das Dores Pereira Gomes
W144	Microbial fuel cell – a clean energy for the future	Sinisa Petrik
W145	Use of brewer's yeast extract as medium supplement based on residual glycerol for bioinsecticide production by *Bacillus thuringiensis*	Arnaldo Marcio Ramalho Prata
W146	Production of biomass and chitosan by *Rhizopus arrhizus* using agroindustrial waste	Dafne Luana Ramos Ribeiro
W147	Identification of Inhibitory Compounds Present in Lignified Biomass Hemicellulosic Hydrolysates and their Effects on Ethanol Production by *Pichia stipitis*	Ines Roberto
W148	A recombinant *Bacillus subtilis* vaccine to induce CD8+ T cell response	Katarzyna Roeske
W149	Fermentation potential of *Saccharomyces cerevisiae* strains tolerant to industrially relevant inhibitors	Stefan Ruyters
W150	Microbial population dynamics in rubber coagula from *Hevea brasiliensis*	Melanie Salomez
W151	Optimization of biocatalytic synthesis of chiral derivatizing agent	Monika Serafin
W152	Use of syrup dates as basis for substrate fermentation of lactic bacteria *Streptococcus thermophilus*	Khadidja Side Larbi
W153	Biosurfactant production using media containing agro-industrial residue by *Cunninghamella* sp. isolated Caatinga soil of Pernambuco, Brazil through factorial design	Grayce Kelli Barbosa Silva
W154	Cellulose production by *Rhodococcus* sp. MI 2 in a low-cost medium supplemented with vegetable extracts	Somporn Tanskul
W155	Structural studies on the *Piscirickettsia salmonis* endotoxin	Rudolf Toman
W156	Lipolytic enzyme production by halophilic microorganisms isolated from Tinsilt Sebkha, Algeria	Sihem Toumi-Akmoussi
W157	Integration of acetone-butanol-ethanol (ABE) fermentation process and lipase-catalyzed butyl-butyrate production	Fengxue Xin
W158	Colicin FY inhibits a broad spectrum of *Y. enterocolitica* isolates	Juraj Bosák
W159	Detection of Virulence Factors with High Human Health Risk on Environnemental Isolates of Aeromonas hydrophila in the Central Region of Tunisia.	Jalel Boukadida

THURSDAY, 3 OCTOBER 2013
From 10:45-11:30 and from 17:00-17:45

Medical & Veterinary Microbiology - Antimicrobial agents
(including antimicrobial surfaces and materials) and chemotherapy - Resistance
Microbial Physiology, Metabolism and Gene Expression
Food Microbiology
Biotechnologically Relevant Enzymes and Proteins

Code	Title	Presenter(s)
T1	Bacteriophages in green biotechnology - the utilization of drinking water	Maciej Żaczek, Beata Weber-Dabrowska
T2	Activity of human β-defensin-2 (hBD-2) and probiotic *L. plantarum* against bacterial human skin pathogens	Jasim Al-Attwani
T3	Antimicrobial resistance and species distribution among *Aeromonas* recovered from clinical and environmental sources at the metropolitan area of Valencia, Spain	Elena Alcaide
T4	OprD alterations in non-carbapenemase producing *Pseudomonas aeruginosa* strains	Elena Alcaide
T5	Faecal Carriage of Extended-Spectrum Beta-Lactamase-Producing Enterobacteria in Community in Algeria	Alima Gharout-Sait
T6	Antibiotic resistance of Staphylococci and Enterobacteria isolated from urogenital infections during pregnancy in Maghnia hospital (Algeria)	Mohammed Salih Barka
T7	Antifouling properties of membranes containing Metal-organic frameworks (MOFs)	Karina Boltes
T8	Lactobacilli and its metabolites as potential probiotics against Gardnerella vaginalis	António Machado
T9	Withdrawn	
T10	Withdrawn	
T11	Withdrawn	
T12	Legionnaires' disease: Clinical, Epidemiological and Risk Factors in Tunisia	Jalel Boukadida
T13	Infantaricin A from *Streptococcus infantarius* LP90 of dairy origin: a novel two-peptide bacteriocin with antimicrobial activity against *Streptococcus pneumoniae* in broth and human saliva	Cristina Campanero Pintado
T14	Public health implications of antibiotic resistance in *Escherichia coli* from wild European rabbits (*Oryctolagus cuniculus*) from Azorean São Jorge island.	Patrícia Dinis Poeta
T15	Molecular characterization of antibiotic resistance in *Escherichia coli* isolates from wild Turdus philomelos in Portugal	Patrícia Dinis Poeta
T16	Activity and mechanism of action of resveratrol on *Arcobacter cryaerophilus*	Fernanda Domingues
T17	Albocycline, the main bioactive compound from *Propionicimonas* sp. ENT-18 against *Sclerotinia sclerotiorum*	Tiago Domingues Zucchi
T18	Ultrastructure, morphology and taxonomy of phages from the IIET phage collection	Beata Dziedzic, Beata Weber-Dabrowska
T19	Monitoring the effect of agricultural use of tetracycline on resistance in soil and manure bacteria	Melike Ekizoğlu
T20	Design and Synthesis of Some New 1,2,4-Triazolo[4,3-a]Quinoxaline derivatives as Potential Antimicrobial Agents	Maryam Elattar
T21	High Prevalence of integron-mediated antibiotic resistance genes in diverse clinical samples of *Salmonella enterica* Serotype Typhi	Sleman Elgared
T22	An experimental study of the efficacy of bacteriophages for prevention and treatment of *S. aureus* and *P. aeruginosa* biofilms	Taras Gabisonia, Manana Loladze
T23	A polyvalent bacteriophage preparation for reducing *S. aureus* contamination of various hard surfaces	Taras Gabisonia, Manana Loladze
T24	Inactivation and Identification of Bacillus anthracis Spores	Matilde Gil García, Paloma Lorenzo Lozano
T25	Antibacterial Efficiency and DNA Impairment Unveil in some Bacteria strains treated with *Conocarpus erectus* L. extract	Nehad Mahmoud Mostafa Gumgumjee Gumgumjee, Abdulrahman Said Hajar Hajar
T26	Synthesis and antimicrobial evaluation of some novel sebacic acid derivatives	Mostafavi Hossein
T27	Synthesis and bioevalution of 5-Fluorouracil derivatives with various amino acidsesters linkage	Mostafavi Hossein
T28	Antimicrobial mode of action of ε-poly-L-lysine	Morten Hyldgaard
T29	Neuroprotective mechanism of cordycepin from *Cordyceps militaris* against glutamate-induced ER stress in hippocampal HT22 cells	Meiling Jin
T30	Chloramphenicol-induced apoptosis and necrosis in *Candida uilis* yeast cells	Ezzatollah Keyhani
T31	In vitro antimicrobial activity of extracts from GRAS plants against oral pathogens	Ladislav Kokoska
T32	Sensitivity of *Staphylococcus aureus* and *Pseudomonas aeruginosa* on the monomeric and gemini surfactants	Anna Koziróg
T33	Chemical composition of the cell wall and membrane of moulds after long term activity of N, N-bis(3-aminoprophyl)dodecylammine	Anna Koziróg
T34	Defining the role of Dps protein in the control of L. monocytogenes cell envelope structure and stability under β-lactam pressure	Agata Krawczyk-Balska
T35	Influence of bacteriophage preparations on migratory activity of human granulocytes and mononuclear blood cells in vitro	Aneta Kurzepa-Skaradzinska, Grzegorz Skaradzinski
T36	The Anti-neuroinflammtory and Anti-metastasis effects of Surfactin from Bacillus subtilis	Sang Joon Lee
T37	Antibacterial Properties of Cationic Biomimetic Bacteriophage Nanoparticles	Lucianne Leigue dos Santos
T38	Surgical Site Infections – Incidences in a Hospital in South India	Harivadan Lukka
T39	Evidence based protocol in the management of diabetic foot	Harivadan Lukka
T40	Molecular identification of non-ribosomal peptide genes involved in secondary bioactive metabolite production in proteobacteria isolated from saline andalusian environments	Rocio Luque
T41	Preliminary studies for the aplication of *Thymbra capitata* essential oil as potential antimicrobial agent in Bacterial Vaginosis	Daniela Machado
T42	Antimicrobial anthraquinones from the stem of *Morinda elliptica* Ridl	Wilawan Mahabusarakam

T43	Morphological aspects of multi-nucleated *Trichomonas vaginalis* from cervical cancer patients in Malaysia	Afzan Mat Yusof
T44	Ochratoxin A affects to proliferation and differentiation of neural stem cells from subventricular zone in vitro	Eva Maria Mateo Jimenez
T45	Novel Aspects of the Z and R3 Antigens of *Streptococcus agalactiae* Revealed by Immunological Testing	Rooyen Mavenyengwa
T46	Activity of bacteriophages in antimicrobial dressings used for treatment of burn wounds	Maia Merabishvili
T47	In vitro combinatory interactions of diacetyl rhein with erythromycin, oxacillin and tetracycline against *Staphylococcus aureus*	Samnang Nguon
T48	Virulence regulation of enteropathogenic bacteria by capsaicin-rich natural products, exploring Cytolethal Distending Toxin and Quorum Sensing molecules.	Lorenzo Nissen
T49	Screening of some plant derived quinones for their combinatory effect with oxacillin, penicillin and tetracycline against *Staphylococcus aureus*	Pavel Novy
T50	Modeling microbiological quality dynamics of Suquía river in Córdoba, Argentina	Jorge Victorio Pavan
T51	Tracking a novel human adenovirus in untreated sewages waters of Córdoba city, Argentina	Jorge Victorio Pavan
T52	Antimicrobial potential of endophytic fungi derived from seagrasses	Souwalak Phongpaichit
T53	Antimicrobial resistance of *Campylobacter* isolates from human and animals: the spread of resistance determinants reduces susceptibility against tetracycline and streptomycin.	Alberto Quesada
T54	Antimicrobial resistance in *Campylobacter coli* and *Campylobacter jejuni* isolated from cloacal swabs of broilers in farms and broiler carcasses in slaughterhouse	Alberto Quesada
T55	Novel lytic phages against *Staphylococcus aureus*	Gabor Rakhely
T56	Evaluation of the distribution of genes encoding efflux pumps in different strains of *Acinetobacter baumannii* resistant to quaternary ammonium compounds	Yusibeska Ramos
T57	ESBL producing *E. coli* detected in samples from human, food, farm animals and activated sludge in Styria/Austria	Franz Reinthaler
T58	Characterisation of rpsL and rrs mutations associated with streptomycin resistance in multidrug-resistant *Mycobacterium tuberculosis* clinical isolates (from Poland)	Katarzyna Roeske
T59	In vitro combinatory antistaphylococcal effects of embelin with oxacillin and tetracycline	Johana Rondevaldova
T60	Isolation, Purification and Structure Elucidation of the Polyether Antibiotic Alborixin from an Indigenous Isolate *Streptomyces* sp. CRF17	Imran Sajid
T61	Antibacterial activity of chitosan prepared from shrimp shell waste	Rym Salah-Tazdait
T62	Anti-intestinal protozoan activities of 1-hydroxy-2-hydroxymethylanthraquinone from *Coptosapelta flavescens*	Nongyao Sawangjaroen
T63	Cluster analysis of antimicrobial resistance profiles of Multidrug Resistant *Salmonella* 1,4,[5],12:i:-	Rui Seixas
T64	Genetic basis of Chronic Hepatitis C Virus and Autoimmune Hepatitis; a comparative study	Amira Youssef Shaala
T65	Could Human Leucocyte Antigens (HLA) be predictive factors to Interferon response among Chronic Hepatitis C Virus Hepatitis?	Amira Youssef Shaala
T66	Inhibition of the development of pathogenic fungi by extracts of marine algae from the Red Sea of Jeddah, Saudi Arabia	Huda Mohammed Ahmed Sheikh
T67	Antibacterial activity of *Marrubium vulgare* against wound infections. An alternative way to antibiotics	Khadidja Side Larbi
T68	*Escherichia coli* strains encoding type 1 fimbriae are more often bacteriocin producers	David Šmajs
T69	Microbial Evaluation of Some Non-sterile Pharmaceutical Preparations Commonly Used in the Al-khoms Market of Libya	Milad Tamalli
T70	Comparison of the solid *Granada medium* and the CNA medium for detecting GBS in the screening of pregnant women	Alberto Tenorio Abreu
T71	Epidemiological characteristics of mycobacterial infections in the health area Ribera (Valencia)	Alberto Tenorio Abreu
T72	In vitro activity of ceftaroline against methicillin resistant *Staphylococcus aureus* (MRSA)	Alberto Tenorio Abreu
T73	Characterization and antagonistic activity of isolated *Lactobacillus* and *Bifidobacterium* strains	Aziza Tokhtakhunova
T74	Witdrawn	
T75	Phenolic composition and antimicrobial activity of "*Euphorbia cotinifolia*" Linn	Ingrid Simone Ribeiro
T76	Leishmanicidal and antioxidant evaluation of natural biflavonoids isolated from *Garcinia brasiliensis*	Ingrid Simone Ribeiro
T77	Proteomic analysis and microenvironment of Giant bacteria: *Epulopiscium* sp.	Mohammad Al Najjar
T78	Key components in a defined liquid medium for growth of *Piscirickettsia salmonis*	Claudia Altamirano
T79	Role of *Salmonella Typhimurium* small RNAs IsrE and RyhB in the nitrosative stress response	Iván Calderón
T80	Regulatory mechanisms that govern carbon metabolism in mycobacteria	Tarun Chopra
T81	The *Tetrahymena thermophila* glutathione peroxidase family: gene expression analysis under different environmental stress conditions	Patricia de Francisco Martínez
T82	First defined medium formulated for growth of *Piscirickettsia salmonis*: kinetic characterization of the culture.	Pablo Omar Fuentealba González
T83	Engineering *Lactococcus lactis* for the production of plant polyphenols	Paula Gaspar
T84	Characterization of 1-deoxynojirimycin producing recombinant strains	Sang-Yoon Kim
T85	Role of the histidine phosphotransfer protein Ypd1 in multi-step two-component signal transduction pathwy in the methylotrophic yeast *Hansenula polymorpha*	Ohsuk Kwon
T86	Signaling properties of the arc two-component signal transduction system with PAS-less arcB sensor kinase	Ohsuk Kwon, Abhijeet Shillak
T87	Morphological and ultrastructural responses of *Aspergillus nidulans* mycelia under cadmium stress	Ladiel Luiz Pedrozo Tavares
T88	Effect of intracellular trehalose on the formation of *Escherichia coli* persister cells	María Moruno Algara
T89	Role of serine/threonine protein kinases and pseudokinases in *Myxococcus xanthus* development	José Muñoz-Dorado, Juana Pérez Torres

T90	Oxygen conditions and mitochondrial respiratory function influence expression level of methanol-inducible peroxisomal proteins and peroxisome morphology in the methylotrophic yeast	Tomoyuki Nakagawa
T91	Characterization of CtpA, a P-type ATPase involved in the transport of heavy metals across the plasma membrane of *Mycobacterium tuberculosis*	Lorena Novoa Aponte
T92	Production of lipases and proteases by *Bacillus licheniformis* in the presence of whey	Alexandra A. Salgueiro
T93	Purification and characterization of lactate dehydrogenase gene from *Fusobacterium nucleatum*	Emrah Sariyer
T94	Surfactin production alters phospholipid composition and fluidity of the *Bacillus subtilis* cytoplasmic membrane	Gabriela Seydlová
T95	The *aidB* gene of the *Escherichia coli* Adaptive response to alkylating agents is regulated by nitric oxide	Daria Streltsova
T96	Exploration of novel cell-to-cell communicating compound from phenol-utilizing *Pseudomonas* sp. C8.	Kenshi Suzuki
T97	Optimization of *Neisseria lactamica*'s OMV production in batch cultivation process	Mariana Watanabe Garcia
T98	Characterization of a novel xylanase from a newly isolated xylanase-producing strain *Cellvibrio mixtus* J3-8	Yirui Wu
T99	ExoI, ExoVII and SbcCD nucleases participate in "reckless" DNA degradation in *Escherichia coli*	Ksenija Zahradka
T100	Characterization of Campylobacter jejuni from raw milk	Iqbal Ahmad
T101	Automated Ribotyping System for Characterization and Identification of Bacteria Isolated from Minced Meat in Riyadh, Saudi Arabia	Majed Albokari, Ibrahim Mashhour
T102	Ability to scavenge free radicals by *Malus domestica* Borkh. pulp reversed the stress profile induced by vanadium (V) in *Saccharomyces cerevisiae*	Isabel Alves_Pereira
T103	Power ultrasound and pulsed light in combination: microorganisms response in apple juice	Stella Maris Alzamora
T104	Seletive count of *Lactobacillus helveticus* (LH-B02) used as adjunct culture in Prato cheese	Adriane Antunes
T105	Cloning and expression of synthetic genes encoding the broad spectrum bacteriocins SRCAM 602, OR-7, E-760 and L-1077 by recombinant *Pichia pastoris*	Sara Arbulu Ruiz
T106	Prevalence of E. coli O157:H7 in cattle and slaughterhouse waste water	Naim Deniz Ayaz
T107	Molecular characteristics of sorbitol fermenting and non-fermenting *E. coli* O157:H7+/H7- in cattle and slaughterhouse wastewater	Naim Deniz Ayaz
T108	Active packaging methods and natural products for improving the quality and microbiological safety of a novel cuttlefish burguer	Alberto Baños Arjona
T109	Quantification of the *Campylobacter* carcass contamination during the slaughter of *Campylobacter* positive batches	Julie Baré
T110	Characterisation of *Escherichia Coli* Enterohemorragic O157:h7 in Frozen Bovine Meat in Algeria	Mohammed Salih Barka
T111	Exploring Temperature Resistance and Biofilm Formation as the Biological Basis for Salmonella Persistence in Food Manufacturing Environments	Amreen Bashir
T112	Phenotypic, biochemical identification and technological characterization of Leuconostoc from Algerian camel milk	Khadidja Belkheir
T113	Genotypic characterization by polymerase chain reaction of *Staphylococcus aureus* isolates associated with bovine mastitis	Nadjia Benhamed
T114	Isolation of a *Staphylococcus epidermidis* strain producing histamine in red wine after malolactic fermentation	Carmen Berbegal
T115	Check of four generations of *Saccharomyces cerevisiae* for adsorption activity during winemaking	Andrea Caridi
T116	Peonidin-3-glucoside content and malvidin-3-glucoside content are significantly different in red wines produced using three generations of *Saccharomyces cerevisiae* strains different for their phenolic adsorption	Andrea Caridi
T117	Effect of culture versus semi-purified bacteriocin from *Lactobacillus sakei* subsp. *sakei 2a* in the growth control of *Listeria monocytogenes* in skimmed goat milk	Rafael Chacón Ruiz Martínez
T118	Distribution of antimicrobial resistance and virulence factors among *Enterococcus* spp. isolated from retail shrimps	Wioleta Chajecka-Wierzchowska, Anna Zadernowska
T119	Automatic enzyme-linked fluorescent immunoassay, immunocapture assay and fluorescence in situ hybridization as a rapid screening method for *Salmonella* detection in food	Wioleta Chajecka-Wierzchowska, Anna Zadernowska
T120	Evaluation of the antimicrobial activity of natural extracts upon wine spoilage microorganisms	Eduardo Costa
T121	Effect of bacteriocins produced by *Lactobacillus sakei 2a* and *Lactobacillus curvatus MBSa2* against *Listeria monocytogenes* in goat milk	Patricia da Silva Malheiros
T122	Inhibition of *Listeria monocytogenes* strains by liposomes-encapsulated nisin and BLS P34	Patricia da Silva Malheiros
T123	Biodiversity of lactic acid bacteria in "Pirot`s "kačkavalj" cheese produced from ewes` milk	Bojana Danilović
T124	The production and antimicrobial activity of bacteriocin produced by *Lactobacillus paracasei* isolated from "Pirot's kačkavalj"	Bojana Danilović, Bojana Milicevic
T125	Probiotic bacteria in goat cheese (coalho): assessing the survival to gastrointestinal-mimicking conditions and inhibitory effect against pathogenic bacteria	Evandro de Souza
T126	The influence of stevia glycosides on the growth of *Lactobacillus reuteri* strains	Ilze Denina
T127	Oxygen supply in disposable shake-flasks: prediction of oxygen transfer rate, oxygen saturation and maximum cell concentration during aerobic growth	Sarah Schiefelbein
T128	Prevalence and Characterization of Virulence Factors of Enterococci from Traditional Food Products in Çukurova Region of Turkey	Zerrin Erginkaya
T129	Determination of antimicrobial effects of methyl cellulose films enriched with some essential oils on *Listeria innocua*	Zerrin Erginkaya
T130	New strategy for the selection of malolactic starters: study of *Oenococcus oeni* genomes	Marion Favier
T131	4-ethylphenol production by *B. bruxellensis* in different growth phases	Miguel Fernandes
T132	Monitoring microbial changes in fish after HPP by Infrared spectroscopy	Ana Catarina Fernandes Moreirinha
T133	Nitrogen metabolic profile of *Lactococcus lactis* subsp. *cremoris* strains under stress conditions.	Rocío Fernández Pérez, Fernanda Ruiz-Larrea

T134	Evaluation of the performance of an organic selected yeast in industrial vinification	Sergi Ferrer
T135	Evaluation of antibiotic resistance in *Staphylococcus xylosus* and *Staphylococcus equorum* isolates from fermented meat products and environment in Portuguese workshops	Maria João Fraqueza
T136	Evaluation of antibiotic susceptibility of *Listeria monocytogenes* serogroups isolated in ready-to-eat meat-based food industrial facilities in Portugal	Maria João Fraqueza
T137	Probiotic strain *Lactobacillus plantarum* 1K reduces *Salmonella enterica* serovar *Typhimurium* infection in mice	Jadranka Frece, Dragan Kovačević
T138	Isolation and characterisation of *Escherichia coli* from retail meats	Subhadra Devi Gadi
T139	Effect of aerobic and microaerophilic conditions on the growth of *Saccharomyces cerevisiae*	Marta Ginovart
T140	Stability of ripe sourdough acidity during propagation and use	Marta Ginovart
T141	Use of Citrus flavanones to prevent Deoxynivalenol contamination	Héctor Horacio Lucas González
T142	Selection of novel functional lactic acid bacteria from plant origin materials	Silvia Grosu-Tudor
T143	Microbiological and physicochemical analysis of traditional fermented milk from north central and North-eastern Namibia	Lusia N.N P Heita
T144	Antimicrobial activity of orange juice containing natural preservative against *Alicyclobacillus acidoterrestris* spores.	Camila Hernandes
T145	Barley, a potential source of ochratoxin A in food	Misericordia Jimenez Escamilla
T146	Identification of resistance mechanisms in coagulase negative staphylococci of food and animal origin	Vladimir Kmet
T147	Antibiotic resistance in ready to eat foods from hospital and community: what differences?	Patrizia Laurenti
T148	Advantages of yeast/bacteria co-inoculation on malolactic fermentation of Tempranillo wines	Olga Lucio
T149	Easy and rapid detection and identification of yeasts in winemaking samples by Flow Cytometry and/or FISH	Olga Lucio
T150	Proposing a new method for followed extraction of (1->3)(1->6)-β-D-glucan and mannoproteins from spent brewer's yeast	Marciane Magnani
T151	Prospective application of the bioemulsifier and biomodulator from spent brewer's yeast in foods	Marciane Magnani
T152	Production of type-A trichothecenes in wheat, barley and oats by *Fusarium langsethiae* isolates under diverse environmental conditions	Eva Maria Mateo Jimenez
T153	Characterization of glycosidases produced by non-*Saccharomyces* enological yeasts	José Juan Mateo Tolosa
T154	Biotechnological characterization of exocellular proteases produces by enological *Hanseniaspora* isolates.	José Juan Mateo Tolosa
T155	Viability of *Lactobacillus acidophillus* and *Bifidobacter breve* encapsulated into different polysaccharide particles	Petra Matoušková
T156	Genomic DNA extraction of highly mucilaginous *Theobroma grandiflorum* fermented seeds	Simone de Nazaré Melo Ramos
T157	Influence of different fermentation conditions of cupuassu seeds (*Theobroma grandiflorum*) on the microbial populations involved in the process	Simone de Nazaré Melo Ramos
T158	Fish broth treated by UHPH: A preliminary study of microbiology and physico-chemical parameters during storage	Sonia Genuina Moises
T159	Effect of colony formation on growth dynamics of foodborne pathogens under stressing environmental conditions.	Estefania Noriega Fernandez
T160	Growth dynamics of food concerning bacteria in presence of novel sweeteners at suboptimal temperatures.	Estefania Noriega Fernandez
T161	Influence of Pulsed Electric Fields on Calcium Accumulation in *Saccharomyces cerevisiae* cells	Urszula Pankiewicz, Monika Sujka
T162	Identification of multi-copper oxidase enzymes from LAB able to degrade biogenic amines	Isabel Pardo
T163	Survey on enzymatic activities present in *Oenococcus oeni* strains isolated from grape musts and wines	Isabel Pardo
T164	Enterococcus population biodiversity from Spanish red wines and safety aspects	Fátima Pérez Martín
T165	Enterococcus population biodiversity from Murciano-Granadina goat colostrum and safety aspects	Fátima Pérez Martín
T166	Antimicrobial resistance of *Salmonella* strains isolated from meat products from retail in Poland	Magdalena Popowska
T167	Keeping quality of organic lemon very affected by incidence of *Penicillium digitatum*, by using combinations of physical treatments: UV-C and temperature	Joaquín Pozo Dengra
T168	Resistances to beta-lactam antibiotics in *Enterobacteriaceae* species isolated from fresh vegetables marketed in Valencia (Spain)	Hortensia Rico Vidal
T169	*Enterobacteriaceae*, *Staphylococcus* and *Enterococcus* species isolated from fresh cheese samples marketed in Valencia (Spain) and their resistances to commonly used chemotherapeutic agents	Hortensia Rico Vidal
T170	Impact of vacuum foil pre-packaging on the surface quality and microbial composition of semi-hard ripened red smear cheeses	Jasmine Ritschard
T171	Effect of packaging in a high oxygen modified atmosphere or under vacuum on microbiological quality of forelegs of suckling lamb.	Begoña Rubio Hernando
T172	Effect of post mortem temperatures and modified atmospheres packaging on microbiological quality of suckling lamb meat	Begoña Rubio Hernando
T173	Withdrawn	
T174	Antimicrobial properties of blueberry infusions related to phenolics composition	Sara Silva
T175	Steam surface pasteurization of surimi gels inoculated with *Listeria innocua*	Torstein Skara
T176	Impact of high hydrostatic pressure (HHP) on native microflora and colour of beetroot juice – a preliminary shelf life study	Barbara Sokołowska
T177	Genetic diversity of *Alicyclobacillus* species isolated from Polish fruit juices	Barbara Sokołowska
T178	Evaluation of the probiotic and antagonistic activity of *Lactobacillus acidophilus* and *Bifidobacterium lactis* in fermented whey	Thayza Christina Montenegro Stamford
T179	Molecular identification of Campylobacters from poultry in Chandigarh: its prevalence and antibiotic resistance profile	Chetana Vaishnavi
T180	Compositional factors affecting *Listeria monocytogenes* growth on Frankfurter sausages	Jan Van Impe
T181	Exploring the possibility of using *Kazachstania exigua* (ex. *Saccharomyces exiguus*) in wine production.	Enrico Tommaso Vaudano
T182	Development of possibility of natural juice based Ziziphus jujuba and Spirulina	Adiba Benahmed Djilali

T183	Effect of dairy probiotic combinations on in vitro gastrointestinal survival, adhesion and cytokine secretion	Chaminda Senaka Ranadheera
T184	Hygienic practices and microbiological quality on food handlers' hands from selected schools in Malaysia	Nor Ainy Mahyudin
T185	Production of feruloyl esterase from *Penicillium chrysogenum* by submerged fermentation	Rafael Balaña Fouce
T186	Optimization of the production and characterizaion of milk clotting enzymes by two strains: *Aspergillus* and *Penicillium*	Aïcha Benlounissi
T187	Screening of White Rot Fungal Species for Their Capacity to Increase Enzymatic Hydrolysis of Hazelnut Shell	Derya Berikten
T188	Withdrawn	
T189	Antimicrobial activity of *Colossoma macropomum* serum lectin (ComaSeL) purified from tambaqui Amazonian fish	Luana Cassandra Breitenbach Barroso Coelho
T190	Fungal diversity in wood decay: evaluation of their enzymatic capacities	María del Rosario Castro Rodríguez
T191	Production and Partial Purification of β-glucosidase from the thermophilic fungus *Myceliophtora heterothallica* F2.1.4.	Vanessa de Cássia Teixeira da Silva
T192	Production and Characterization of a novel lipase from *Fusarium verticillioides* and its application in wastewater treatments	Fernanda Dell Antonio Facchini
T193	Protein extraction methods for gel based metaproteomics of extra-cellular proteins from anaerobic populations	Mikaela Eliasson
T194	Purification and characterization of a minor form of β-xylosidase from *Penicillium janczewskii*	César Rafael Fanchini Terrasan
T195	Commercial enzyme mixtures can be used for efficient hydrolysis of apple pomace, a lignocellulosic substrate	Repson Gama
T196	Addition of endogenous extra-cellular cellulolytic enzymes result in increased biogas production rate and yield from lignocellulosic material	Anna Hansson
T197	Interactions between glycerol, PEG-200 and $(NH_4)_2SO_4$ in the stability of heterologous cutinase	Roziana C.C. Jordão
T198	Homology modeling and bioinformatics analysis of haloarchaeal alpha amylases: An overview of proteins haloadaptation and stability	Salima Kebbouche Gana
T199	Optimization of cultural conditions for production of chitinase by bacterial soil isolate	Albert Krastanov
T200	Lipase production by submerged fermentation using different media through strains of *Aspergillus* spp isolated from Caatinga of Pernambuco, Brazil	Brindize Ferreira de Lima
T201	Ligninolytic enzymes production by *Penicillium* strains from caatinga soil	Ladiel Luiz Pedrozo Tavares
T202	Proteases Production by *Aspergillus foetidus* Isolated from Brazilian Savanna	Perola Magalhaes
T203	Expressing a cytochrome P450 fusion protein in *Escherichia coli* fed-batch cultivations	Karoline Marisch
T204	Lignin modifications due to alkaline-sulfite incorporation play an important role to enable enzymatic conversions of sugar cane bagasses	Adriane Milagres
T205	Modeling the adsorption of lignin derivatives and manganese peroxidase in extracts obtained from wood chips biodegraded by *Ceriporiopsis subvermispora*	Adriane Milagres
T206	L2 lipase: A thermostable enzyme for industrial applications	Fairolniza Mohd Shariff
T207	Surface bound hydrolases of a novel bacterial isolate *Microbacterium* sp. for synthesis of alkyl glucosides	Swati Ojha
T208	Antibacterial and Antifungal Activities of a Lectin from *Schinus terebinthifolius* Medicinal Plant	Patricia Paiva
T209	Evaluation of the hydrolysis, esterification and transesterification of lipases produced on different carbon sources by *Fusarium lactis*	Janaina Pires Borges
T210	Immobilization of lipase from *Malbranchea pulchella* produced under submerged fermentation	Maria de Lourdes Polizeli
T211	Purification and Partial Characterization of an Extracellular Lipase from *Trichoderma pseudokoningii.*	Maria de Lourdes Polizeli
T212	Production, Purification and *Characterization of a Polygalacturonase produced by Neosartorya* glabra	Aline Polizeli
T213	Hydrolases production from *Aspergilli* in solid fermentation using different types of malt bagasses	Aline Polizeli
T214	Evaluation of ionic strenght and stability on hydrophobic immobilization of crude lipases of *Acremonium* sp in octyl-sepharose.	José Carlos Quilles Junior
T215	Influence of molar ratio oil / ethanol and the amount of biocatalyst in the production of biodiesel using lipase associated with the fungal mycelium from *Acremonium* sp.	Rafaela Rodrigues de Brito
T216	Stability of proteases for technological applications	Alexandra A. Salgueiro
T217	Enhancement of the solubility of recombinant protein overexpressed in *Escherichia coli* by arginine	Jolanta Sereikaite
T218	Immobilization of an enzymatic cascade for L-amino acids production	Pablo Soriano Maldonado
T219	Optically pure L-amino acids production using immobilized L-carbamoylase and N-succinyl-amino-acid racemase	Pablo Soriano Maldonado
T220	Induced differential metaproteomics for the identification of cellulases in a methanogenic microbial community	Jutta Speda

FRIDAY, 4 OCTOBER 2013
From 10:45-11:30 and from 16:45-17:30

Biodeterioration & Biodegratation – Bioremediation
Methods and Techniques – Education
Biofilms

Code	Title	Presenter(s)
F1	Biodegradation of kerosene and bioemulsifier/biosurfactant production by *Candida lipolytica* UCP 0988 in hypersaline and extremely alkaline seawater	Clarissa Daisy da Costa Albuquerque
F2	Diesel oil biodegradation and biosurfactant production in seawater by halo-acid- tolerant yeast *Candida lipolytica* UCP 0988	Clarissa Daisy da Costa Albuquerque
F3	Production of surface active agent and biodegradation fuel by acclimated *Rhodotorula glutinis* UCP/WFCC 1555 on diesel oil	Roberto Albuquerque Lima
F4	Degradation of hydroxylated phenols by an *Aspergillus fumigatus* strain isolated from Antarctica	Zlatka Alexieva
F5	Bioprospection of fungal catalase by using mycodiversity from Brazilian Caatinga and it response to cadmium stress	Antonio Cleyton Arruda de Azevedo Costa
F6	Chitosan membranes of low and medium molecular weight as promising adsorbents of Cd (II) from aqueous solution	Lucia Raquel Ramos Berger
F7	Enzymatic system and metabolites produced during the biodegradation of diuron by *Phanerochaete chrysosporium*	Adelar Bracht, Rosane Marina Peralta
F8	Pyrene removal by *Candida lipolytica* UCP/WFCC 0988 under mixed substrates	Galba Maria Campos-Takaki
F9	Effect of biosurfactant produced by *Serratia marcescens* UCP 1549 at the phytotoxicity and application in removing derivatives from peroleum	Helvia Walewska Casullo de Araújo
F10	Ability of *Serratia marcescens* UCP/WFCC 1549 for biosurfactant production using industrial wastes and fuels biodegradation	Helvia Walewska Casullo de Araújo
F11	Genetic aspects and bioremediation potential of cadmium resistant and biphenyl utilizing marine bacteria	Jaya Chakraborty
F12	Remediation of uranium-contaminated aquifers through the combination of reactive barriers and bio-stimulation in situ	Magdalena Constantí
F13	Bacterial decontamination of irradiated graphite after steam reforming	Magdalena Constantí
F14	Azo dyes: toxicological aspects of biosorption and biodegradation	Carlos Renato Corso
F15	Analysis removal of Direct Red 23 dye by adsorption using sawdust residue treated with sulfuric acid as adsorbent.	Carlos Renato Corso
F16	Effects of elevated Carbon Dioxide on soil bacteria enriched with natural organic matter (organic farming)	Roberto Naves Domingos
F17	Study of the biosorptive interaction between azo dyes and cells of *Saccharomyces cerevisia* irradiated with ultrasound	Roberto Naves Domingos
F18	Potential application of biosorption capacity of metal resistant *Serratia marcescens* 16 for environmental remediation.	Jose Manuel Gomez Montes de Oca, Gema Cabrera Revuelta
F19	A soil bacterium, excellent tool for Cd remove bioresorption from water	Yahia Kaci
F20	Oxygen nano-bubble mediated enhancement of dechlorination of Polychlorinated biphenyls (PCBs) by *Sphingomonas* sp.TSK-1	Takagi Kazuhiro
F21	Enhanced functional expression of recombinant *Cyathus bulleri* laccase in *Pichia pastoris* by copper supplementation	Tenzin Kenzom
F22	Effects of wildfire on the level of high molecular weight (HMW) hydrocarbon compounds in forest soil: analysis of HMW hydrocarbons-degrading microbial communities and comparison of different in-situ bioremediation protocols	Silvia Lampis, Marco Andreolli
F23	Effects of fluoxetine schock loadings in a aerobic granular sludge sequencing batch reactor	Irina Moreira
F24	Multidisciplinary approach for evaluation of the complete removal of chloroethenes in contaminated aquifer	Martina Praveckova
F25	Molecular mechanism of sulfanilic acid biodegradation	Gabor Rakhely
F26	Degradation of fuels by *Pseudomonas aeruginosa* UCP/WFCC 0099 wild and acclimated on diesel	Dafne Luana Ramos Ribeiro
F27	Characterization of bacterial Consortium and bacterial isolates with potential for manganese bioremediation	Natália Rocha Barboza
F28	Detection of novel transformation products from dieldrin by *Pseudonocardia* sp. KSF27 using a high-resolution LC-Orbitrap MS	Futa Sakakibara
F29	Effect of compost incorporation in contaminated soil on heavy metal immobilization and accumulation in spinach plants	Stefan Shilev
F30	Effect of molasses as co-substrate on biodegradation of malathion	Djaber Tazdait
F31	Use of crushed olive kernels as carrier in malathion biodegradation	Djaber Tazdait
F32	Analyzing textural changes in pictorial specimens upon bacteria and fungi biodegradation using nanoelectrochemical techniques	Francisco Manuel Valle Algarra
F33	Elimination of antibiotic resistance in *Pseudomonas aeruginosa* UCP/WFCC 1567 cadmium treatment	Jose Carlos Vilar Junior
F34	In silico analysis of the mycobacterial transporters Pma1 and CtpF: possible implication in the alkaline or alkaline/earth cation metal homeostasis	Carlos Mario Ayala Torres
F35	Metabolic flux analysis of *Lactococcus lactis* grown at different conditions revelead increased flux ratio towards pentose phosphate pathway	Syarul Nataqain Baharum
F36	Biochemical composition and structure of cell-walls of Mucoralean fungi	Galba Maria Campos-Takaki
F37	Evaluation of Illumina, 454 and Ion torrent sequencing platforms for 16S rRNA signature	Rosalinda D'amore
F38	Study of differentially gene expression of *Oenococcus oeni* with microarray during the adaptation in different media	Emilia Garcia Moruno
F39	Metal-induced gene expression in *Escherichia coli* cells	María Teresa Gómez-Sagasti
F40	The microbial individual-based model INDISIM-YEAST ready to be used in the free access NetLogo modelling environment	Anna Gras, Clara Prats Soler
F41	Diagnostic discrimination of ricin: use of an algal bioassay to assess its toxic activity	María del Valle Jiménez Pérez, Inés Peraile Muñoz
F42	Detection and discrimination of potential biological weapon bacteria by microarrays of immobilized oligonucleotides	María del Valle Jiménez Pérez, Paloma Lorenzo Lozano
F43	Monitoring interacellular pH during the apoptosis process after *Aspergillus fumigatus* infection	Sara Mohebbi

F44	Comparative analyses of P-type ATPases in the *Mycobacterium* genus: possible targets for the control of mycobacterial infections	Lorena Novoa Aponte
F45	Fructose/glucose discrepancy in *S.cerevisiae* under sluggish and optimal fermentation conditions	Patricia Díaz-Hellín Patiño
F46	Development of a novel finite element model and micro-experimental program for analyzing biofilm degradation kinetics	Shivashkar Singh
F47	Testing biodegradation of CdS in pictorial specimens using the voltammetry of microparticles	Francisco Manuel Valle Algarra
F48	Bio-curation of rRNA gene sequence data	Pablo Yarza
F49	Medium supplementation with magnesium prevented the induction of dormancy in biofilms of clinical and commensal isolates of *Staphylococcus epidermidis*	Nuno Cerca
F50	Global transcriptomic analysis of dormancy within *Staphylococcus epidermidis* biofilms	Ângela França
F51	Carbon and nitrogen sources influence the production of fumonisins by isolates of *Fusarium verticillioides*	Misericordia Jimenez Escamilla
F52	Inhibitory activity of lactic acid bacteria against *Streptococcus mutans* and its biofilm	Merih Kivanç
F53	Characterisation of sulphate-reducing bacteria biofilms on highly-alloyed stainless steel	Joanna Michalska
F54	Comparison of the resistance levels to disinfecting agents in *Stenotrophomonas maltophilia* and *Acinetobacter baumannii* growing in biofilm and planktonic forms	Yusibeska Ramos
F55	Longus Association with other Virulence Factor and their Role in the in vitro Colonization to Intestinal Cells	Juan Xicohtencatl-Cortes
F56	Relationship between biofilm formation and antibiotic resistance in commensal isolates of *Staphylococcus epidermidis*	Luís Melo

VIRTUAL PRESENTATIONS (ONLINE PLATFORM ON THE CONFERENCE WEBSITE)

Title	Presenter(s)
Enzymatic activities and antagonism against phytopathogenic fungi of actinomycetes isolated from environmental samples	Gonzalo Cuesta Amat
Detection and diagnosis of bacterial wetwood disease in Tilia american and Ulmus americana sapwood using a conducting polymer electronic-nose technology	Alphus Dan Wilson Wilson
Response of phosphate solubilizing alkaliphiles from coastal ecosystems of Goa to abiotic factors	Neha Prabhu
Interaction between human adenoviruses and clays in static and dynamic batch systems	Maria Bellou
Physiological aspects of metal resistance in *Pseudomonas* bacteria isolated from anthropogenic sediments of Ostrava Lagoons, Czech Republic	Hana Vojtková
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