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Proceedings of

2nd World Biotechnology Congress

December 04-05, 2017 | Sao Paulo, Brazil

Moderator

Thank You for supporting World Biotechnology 2017



Vlasta Pilizota
Professor
University of J.J. Strossmayer, Croatia

Day 1 December 04, 2017

09:00-09:15 Registrations

Conference Hall: Barba Gato

conferenceseries.com 09:15-09:30 **Opening Ceremony**

Keynote Forum

09:30-10:00 **Title: Genomics and epigenetics with 2d material nano-electronics**
Jean Pierre Leburton, University of Illinois, USA

10:00-10:30 **Title: Exploring detection methods for foodborne pathogens: Shiga toxin-producing *E. Coli* as an example**
Xiaohua He, United States Department of Agriculture, USA

Workshop

10:30-11:00 **Nano Temper Technologies**
Daniel Maturana, Brazil

Panel Discussion

Group Photo

Networking & Refreshment Break 11:00-11:20 @ Foyer

Sessions:
Agriclutural Biotechnology | Plant Biotechnology | Food processing and Safety Engineering | Pharmaceutical Biotechnology | Bioprocess & Industrial Biotechnology | Nano Biotechnology

Session Chair: Jean Pierre Leburton, University of Illinois, USA
Session Co-chair: Xiaohua He, USDA, ARS, WRRC, USA

Session Introduction

11:20-11:40 **Title: Reducing petroleum use by developing renewable resources that replace petrochemicals**
Thomas A. McKeon, International Society for Biocatalysis and Agricultural Biotechnology(ISBAB), USA

11:40-12:00 **Title: Developing biopesticides, biofertilizers and bioproducts for next generation green revolution and sustainable agriculture**
Ze-Chun Yuan, Agriculture and Agri-Food Canada, Canada

12:00-12:20 **Title: Bacterial cellulose as matrix to functionalize macromolecules**
Cesar Tischer, State University of Londrina, Brazil

12:20-12:40 **Title: Scaling up the biotechnological process of the recombinant rabies virus glycoprotein, by S2 cells**
Monize Caiado Decarli, State University of Campinas, Brazil

12:40-13:00 **Title: BioCAE A multiscale framework for complex biological systems and biofabrication of tissues and organs**
Janaina Dernowsek, Center for Information Technology Renato Archer, Brazil

Panel Discussion

Lunch Break 13:00-14:00 @ Foyer

14:00-14:20 **Title: Biotechnologies: which one(s) and what trends & future for mid-size pharma companies**
Jean A. Boutin, Institut de Recherches Internationales SERVIER, France

14:20-14:40 **Title: Photo-curable natural polymer derivatives for bio-medical application**
Tae-il Son, Chung-Ang University, Republic of Korea

14:40-15:00 **Title: Improving the nutritional quality of cherry tomato fruits by LED lighting**
Simon Miranda, Universidad de Chile, Chile

15:00-15:20 **Title: Bioinspired solvent-resistant nanofiltration membranes**
Liliana Perez Manriquez, King Abdullah University of Science and Technology, Saudi Arabia

15:20-15:40	**Title: Estimate infectivity of human norovirus in environmental water samples by in situ capture RT-qPCR method** **Peng Tian,** United States Department of Agriculture, USA

Panel Discussion

Networking & Refreshment Break 15:40-16:00 @ Foyer

16:00-16:20	**Title: Cry toxins and CRISPR/Cas technology: How biotechnology advances can contribute to new crops** **M.Fatima Grossi de Sa,** Brasilia Catholic University, Brazil
16:20-16:40	**Title: iPS-derived cardiomyocytes and keratinocytes for drug screening and cytotoxicity assays** **Estela Mitie Cruvinel,** Pluricell Biotech, Brazil
16:40-17:00	**Title: The probable effect of MT1A (A>G) and MT1A (C>G) SNPs of metallothionein gene on whole blood mercury levels in iranian populations** **Javad Babaei,** Valiasr Hospital Research Center, Iran
17:00-17:20	**Title: Bioengineering of the medicinal desert shrub *rhazya stricta*** **Mohammed Nabih Baeshen,** University of Jeddah, Saudi Arabia

Panel Discussion

Day 2 December 05, 2017

Conference Hall: Barbo Gato

Keynote Forum

09:30-10:00	**Title: Recombinant proteins from bench to clinics** **Fuad Fares,** University of Haifa, Israel
10:00-10:30	**Title: Micro knitting yarn biocomposites (Metallic Fibers, Organic Fibers and Biodegradable Resin) for the smart textile market** **Liliana Rubio,** PMO Polymer Business Intelligence Brazil

Panel Discussion

Networking & Refreshment Break 10:30-10:50

Sessions:
Animal Biotechnology | Genetics and Tissue Science & Engineering | Medical Biotechnology | Microbial Biotechnology | Molecular Biology

Session Chair: Fuad Fares, University of Haifa, Israel
Session Co-chair: Liliana Rubio, PMO Polymer Business Intelligence, Brazil

Session Introduction

10:50-11:10	**Title: Impact of biotechnology in brazilian agriculture sector** **Adriana Brondani,** Council for Information on Biotechnology, Brazil
11:10-11:30	**Title: Properties of hydrochloric chitosan multifilament fibers modified with nano-calcium phosphate complex** **Luciano Pignehelli,** Lutheran University of Brazil, Brazil
11:30-11:50	**Title: Genotoxicity of gemcitabine low dose in white rat bone marrow cells** **Abdul Rahman,** Shaqra University, Saudi Arabia
11:50-12:10	**Title: Modeling of fermentation process of *Bacillus Thuringiensis* as a sporulating bacterium** **Navid Mostoufi,** University of Tehran, Iran
12:10-12:30	**Title: The future of pharmaceutical biotechnology with the industry 4.0 – managing new technologies, teams and reaching customers from baby boomers to the iGeneration** **Wilker Ribeiro Filho,** Instituto Reger, Brazil
12:30-12:50	**Title: Anti-cancer drug discovery: Rational strategy to acquire anti-cancer candidate compounds** **Rosy Iara M A Ribeiro,** Federal University of Sao Joao del Rei, Brazil

Panel Discussions

Lunch Break 12:50-13:50 @ Foyer

13:50-14:10	**Title: Comparative analysis of two inducible promoters for controlled nuclear transgene expression in *Chlamydomonas reinhardtii*** **Paula Barjona do Nascimento Coutinho,** University of Nurnberg, Germany

Young Researchers Forum	
14:10-14:25	**Title: Bauhinia stem extracts as a possible new treatment for breast cancer and metastasis: Inhibition of migration, invasion and of the activity of matrix metalloproteinases** **Kamilla Santos,** Federal University of Sao Joao del Rei, Brazil
14:25-14:40	**Title: Activity of derived extracts from *Annona coriacea mart* on head and neck tumor lines** **Aline Thaynara de Moura Coelho,** Federal University of Sao Joao del Rei, Brazil
14:40-14:55	**Title: Evaluation of activities of *Miconia cuspidata* extracts on gelatinases and hela cell lines** **Lucas Santos Azevedo,** Federal University of Sao Joao del Rei, Brazil
14:55-15:10	**Title: Evaluation of the antineoplastic potential of new natural compounds in glioblastoma lines** **Lorena Raspante de Sousa,** Federal University of Sao Joao del Rei, Brazil
15:10-15:25	**Title: Antitumor activity of *Miconia chamissois* naudin fractions in human glioma lines: *In vitro* and *In vivo*** **Ana Gabriela Silva,** Federal University of Sao Joao del Rei, Brazil
Panel Discussions	
Networking & Refreshment Break 15:25-15:45 @ Foyer	
15:45-16:00	**Title: Break of dormancy and evaluation of the germination rate of the cerrado medicinal species: *Eriosema pycnanthum*** **Jose Antonio Ribeiro Neto,** Federal University of Sao Joao del Rei, Brazil
16:00-16:15	**Title: Screening of extracts of the cerrado in human glioblastoma tumoral cell line** **Patrik da Silva Vital,** Federal University of Sao Joao del Rei, Brazil
16:15-16:30	**Title: Xylopia aromatic hexane extract promotes antitumor effects in ehrlich tumor carcinoma** **Maria Juliana Ferreira Passos,** Federal University of Sao Joao del Rei, Brazil
Poster Presentations 16:30-17:00	
WBC P1	**Title: ROM-AGROBIOFERTIL NP- Biological fertilizer for a sustainable agriculture** **Nicolae Levandovschi,** ROMVAC, Romania
WBC P2	**Title: Cellulase and Xylanase activities of xanthomonas axonopodis pv. Manihotis (xam) strains collected from different regions of colombia** **Leidy Yanira Rache,** Universidad de los Andes, Colombia
WBC P3	**Title: Cytotype and Molecular variability of *Myriophyllum l*** **Tereza Kavova,** University of South Bohemia, Czech Republic
WBC P4	**Title: Design and Testing of duplex-PCR primers for detection of bacterial spot of tomato** **Dagmar Stehlíkova,** University of South Bohemia, Czech Republic
WBC P5	**Title: Production of extra jam from indigenous grape varieties** **Vlasta Pilizota,** University of J.J. Strossmayer, Croatia
Video Presentations 17:00-18:00	
WBC-V 01	**Title: Pore shape affected by gravity** **Wei Peng Sheng,** National Sun Yat-sen University, Taiwan
WBC-V 02	**Title: Evaluation of flavonoid catechin from an endophytic *Fungus curvularia australiensis* FC2AP for treating cervical cancer in female sprague dawley rats** **Manon Mani,** Hindusthan College of Arts and Science, India
WBC-V 03	**Title: Chemical characterization and optimization of 4mha pentapetide lactone from streptomyces parvulus C5-5Y** **Parimala Gnana Soundari,** Hindusthan College of Arts and Science,India
WBC-V 04	**Title: Un-regulatory actions of ecdb transcription factor present in echinocandin b biosynthetic gene cluster** **Arvind Kumar,** Central University of South Bihar, India
Panel Discussion	
Closing Ceremony	