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2nd World Biotechnology Congress 2017

December 04-05, 2017 Sao Paulo, Brazil

Day 01- December 04, 2017	
09:00-09:15	Registrations
9:15-09:30	Opening Ceremony
	Keynote Forum
9:30-10:00	Title: Novel Education Model to Fit the Future of Biotechnology *Meghana Joshi, Biocon-KGI program, Keck Graduate Institute, USA*
10:00-10:30	Title: The Forefront of Scientific Progresses in Plant Science: Next Generation Crop Breeding *Huang Yinghua, USDA-ARS Plant Science Research Laboratory, USA*
10:30-11:00	Title: Exploring Detection Methods for Foodborne Pathogens: Shiga Toxin-Producing E. coli as an Example *Xiaohua He, USDA, ARS, WRRC, USA*
Group Photo	
Networking & Refreshment Break 11:00-11:20	
Session I	
Tracks: Agriclutural Biotechnology| Plant Biotechnology | Food processing and Safety Engineering | Pharmaceutical Biotechnology | Bioprocess & Industrial Biotechnology |Nano Biotechnology	
Session Chair: *Meghana Joshi, Biocon-KGI program, Keck Graduate Institute, USA*	
Session Co-Chair: *Xiaohua He, USDA, ARS, WRRC, USA*	
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: Quick Detection Method for Foodborne Bacterial Pathogens *Guodong Zhang, Food and Drug Administration, USA*
12:20-12:40	Title: Production of Extra Jam from Indigenous Grape Varieties *Vlasta Pilizota, University of J.J. Strossmayer, Croatia*
12:40-13:00	Title: The Past, Present and Future Potential Applications in Natural Product Genomics and Bioengineering of the Medicinal Desert Shrub *Rhazya Stricta* *Mohammed Nabih Baeshen, University of Jeddah, Saudi Arabia*
Lunch Break 13:00-14:00	
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*
Networking & Refreshment Break 15:40-16:00	
16:00-16:20	Title: RNA-Seq Analysis of Aluminum Stress Response in Sugarcane Roots *Kameswara Rao Kottapalli, Texas Tech University, USA*
16:20-16:40	Title: Impact of biotechnology in brazilian agriculture sector *Adriana Brondani, Council for Information on Biotechnology, 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: Bacterial Cellulose as Matrix to Functionalize Macromolecules**
	Cesar Tischer, State University of Londrina, Brazil
17:20-17:40	**Title: BioCAE: A Multiscale Framework for Complex Biological Systems and Biofabrication of Tissues and Organs**
	Janaina Dernowsek, Center for Information Technology Renato Archer, Brazil
17:40-18:00	**Title: Scaling up the biotechnological process of the recombinant rabies virus glycoprotein, by S2 cells**
	Monize Caiado Decarli, State University of Campinas, Brazil
Panel Discussion	
Day 2 December 05, 2017	
Keynote Forum	
09:00-09:30	**Title: Genomics and Epigenetics with 2D Material Nano-Electronics**
	Jean Pierre Leburton, University of Illinois , USA
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
Networking & Refreshment Break 10:30-10:50	
Session II	
Animal Biotechnology| Genetics and Tissue Science & Engineering | Medical Biotechnology |Microbial Biotechnology | Molecular Biology	
Session Chair: ***Fuad Fares, University of Haifa, Israel***	
Session Co-Chair: ***Huang Yinghua, USDA-ARS Plant Science Research Laboratory, USA***	
10:50-11:10	**Title: iPS-derived cardiomyocytes and keratinocytes for drug screening and cytotoxicity assays**
	Estela Mitie Cruvinel, Pluricell Biotech, 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**
	N. 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, Getulio Vargas Foundation, 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
Lunch Break 12:50-13:50	
13:50-14:10	**Title: Comparative Analysis of Two Inducible Promoters for Controlled Nuclear Transgene Expression in Chlamydomonas Reinhardtii**
	Paula Barjona do Nascimento Coutinho, Universität Erlangen Nürnberg, Germany
Young Research 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

	Networking & Refreshment Break 15:25-15:45
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 Session(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
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 and Award ceremony
	Thanks Giving & Closing Ceremony