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3RD WORLD BIOTECHNOLOGY CONGRESS

December 03-04, 2018 Sao Paulo, Brazil



Day 1 December 03, 2018

Conference Hall

09:00-09:20 Registrations

09:20-09:40 Opening Ceremony

Keynote Forum

	Introduction
09:40-10:10	**Title: Challenges of international human biospecimen biobanking for biomedical research in the era of personalized medicine** **Olga Potapova**, Cureline Inc, USA
10:10-10:40	**Title: Sugar is the new oil: Transitioning petroleum economy to bio-economy** **Anuj Kumar Chandel**, University of Sao Paulo, Brazil

Group Photo & Panel Discussion

Networking & Refreshment Break 10:40-11:00

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

Session Chair: Olga Potapova, Cureline Inc, USA

Session Co-chair: Nuretin Heybeli, Trakya University, Turkey

Session Intoduction

11:00-11:20	**Title: Novel saccharification of lignocellulosic biomasses using "whole broth" enzymes: Towards on-site manufacturing (osm) of enzymes for production of 2nd generation ethanol from *eucalyptus* wastes in biorefinery configurations** **Henrique M Baudel**, Samerica Biomass Technologies, Brazil
11:20-11:40	**Title: Mutation breeding in Malaysia** **Sobri Bin Hussein**, Malaysian Nuclear Agency, Malaysia
11:40-12:00	**Title: Analysis of the expression of the SlMYB gene during the reproductive development of tomato *(Solanum lycopersicum)*** **Jose Linares**, Polytechnic University of Valencia, Spain
12:00-12:20	**Title: The dichlorvos-ammonia method for visible detection of aflatoxigenic fungi from environments** **Kimiko Yabe**, Fukui University of Technology, Japan
12:20-12:40	**Title: Antioxidant enzyme characterization in the liver of Mediterranean barbel *(Barbus merdionalis)* from Osor river (Catalonia)** **Guluzar Atli**, Girona University, Spain
12:40-13:00	**Title: Lingual space of maximum size as an electromagnetic field of the human body: Health and disease - biotechnological factors** **Helio Gomes da Silva**, University of Taubate, Brazil

Panel Discussion

Lunch Break 13:00-14:00

14:00-14:20	**Title: The effect of growth conditions on the active compounds found in medicinal plants** **Alexandra C H F Sawaya**, University of Campinas, Brazil
14:20-14:40	**Title: Production and evaluation of the starch and fiber from young bamboo culm for food and biotechnological applications** **Maria Teresa Pedrosa Silva Clerici**, University of Campinas, Brazil
14:40-15:00	**Title: Mannosylerythritol lipids production by *Pseudozyma aphidis* UFMG-Y3468: A process optimization approach** **Glaucia M Pastore**, University of Campinas, Brazil
15:00-15:20	**Title: Intra-articular use of a unique combination of a medical device composed of Glucosamine and Chondroitin sulfate with Hyaluronic acid** **Nuretin Heybeli**, Trakya University, Turkey
15:20-15:40	**Title: Freeze-dried wafers for anti-inflammatory topical delivery** **Laura de Oliveira Nascimento**, University of Campinas, Brazil

Panel Discussion

Networking & Refreshment Break 15:40-16:00

16:00-16:20	**Title: Feasible technical and economic solutions for EPA production by *pythium irregulare* using vinasse, wastewater, as main raw material** **Bruna S Fernandes,** University of Campinas, Brazil
16:20-16:40	**Title: The influence of seasons and ripening time on yeast communities of a traditional Brazilian cheese** **Valeria M Cardoso,** Federal University of Minas Gerais, Brazil
16:40-17:00	**Title: Virus-like particles and oncogenic virus (HPV-HCV) applications in biotechnology** **Rachel Siqueira de Queiroz Simões,** Oswaldo Cruz Institute, Brazil

Panel Discussion

Day 2 December 04, 2018

Conference Hall

Keynote Forum

09:00-09:30	**Title: Production of a universal plant-based substrate system for cellulase activity assays** **Kathleen Hefferon,** University of Toronto, Canada
09:30-10:00	**Title: Micro RNAs from bench to bedside** **Suresh K Alahari,** LSUHSC School of Medicine, USA
10:00-10:30	**Title: Molecular mechanisms of sugarcane response to abiotic stress** **Sonia Marli Zingaretti,** Ribeirao Preto University, 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: Alexandre Libanio Silva Reis, Federal University of Pernambuco, Brazil

Session Co-chair: Sonia Marli Zingaretti, Ribeirao Preto University, Brazil

Session Intoduction

10:50-11:10	**Title: Evaluating the feasibility of the direct L-Ascorbic acid synthesis using a one-stage process and a single strain of *Pleurotus ostreatus*** **Jorge L Betancurt,** National University of Colombia, Columbia
11:10-11:30	**Title: The future of the biopharmaceutical and biotechnology market and research in Brazil with the next president (2019-2023) – getting ready** **Wilker Ribeiro,** Reger Institute, Brazil
11:30-11:50	**Title: Attenuated *Salmonella* strains have showed great potential as live vectors with broad applications in veterinary medicine** **Luciana Helena Antoniassi da Silva,** University of Campinas, Brazil
11:50-12:10	**Title: Calcium carbonate from bacteria isolated from soils** **Sandra Patricia,** Pedagogical and Technological University of Colombia, Colombia
12:10-12:30	**Title: Alkaline hydrogen pretreatment lignocellulosic biomass: Status, perspectives and energy policy** **Alexandre Libanio Silva Reis,** Federal University of Pernambuco, Brazil
12:30-12:50	**Title: Paper spray tandem mass spectrometry: Applications to drugs determination in body fluids** **Heloa Santos,** University of Goias, Brazil

Panel Discussion

Lunch Break 12:50-13:50

13:50-14:10	**Title: Nanoparticles mediate dsRNA delivery to control the crop insect pest cotton boll weevil, *anthonomus grandis*** **Rayssa A Garcia,** EMBRAPA, Brazil
14:10-14:30	**Title: New trends in the treatment of grade II furcation defects using second generation platelet concentrates** **Juan Pablo Pava Lozano,** National University Columbia, Columbia

14:30-14:50	**Title: Utilization of tissue culture and laser capture (LCM) as acquire innovative biotech strategies for nematode control in cotton** **Sanaa Haroon,** Fayoum University, Egypt
Video Presentation	
14:50-15:10	**Title: Fermentation conditions for the production of flavonoids from *Streptomyces hygroscopicus* AVS7 by statistical approaches** **Vellingiri Manon Mani,** Hindusthan College of Arts and Science, India
Poster Presentations 15:10-16:40	
Poster Judges:	**Anuj Kumar Chandel,** University of Sao Paulo, Brazil **Sonia Marli Zingaretti,** Ribeirao Preto University, Brazil
WBC P01	**Title: Thermo-Biorrefineries: A promising concept for production of bio-electricity, 2nd generation ethanol and renewable chemicals in Portugal** **Henrique M Baudel,** America Biomass Technologies, Brazil
WBC P02	**Title: Characterization of cubosomes, nanoparticles for drug delivery applications, and its interaction with miltefosine, a model drug** **Bárbara Malheiros,** University of Sao Paulo, Brazil
WBC P03	**Title: Genetic charcterization of *Rubus glaucus* benth progenitors through SNPs and SSR** **Ana Maria Lopez Gutierrez,** Technological University of Pereira, Colombia
WBC P04	**Title: Morphologic and genetic charcterization of *Botrytis cinerea* Pers. isolates responsible for gray mold in *Rubus glaucus* benth in Columbia** **Liliana Isaza Valencia,** Technological University of Pereira, Colombia
WBC P05	**Title: Commercial opportunities behind genetic and climatic characterization with management culture approaches of *Heliconia* species in central-occident region of Colombia** **Liliana Isaza Valencia,** Technological University of Pereira, Colombia
WBC P06	**Title: Development of oil-in-water multilayer emulsion as an effective encapsulation systems of astaxanthin** **Eduardo Morales Antonio,** University of la Frontera, Chile
WBC P07	**Title: Effect of the degree of cross-linking in nanosponges on the efficiency of piperine encapsulation** **Juan Pablo Guineo Alvarado,** University of la Frontera, Chile
WBC P08	**Title: Study of the conditions of encapsulation of piperine in microwave-assisted nanosponges** **Jeyson Alan Hermosilla Gajardo,** Universidad de la Frontera, Chile
WBC P09	**Title: Study of nanosponge based on Cyclodextrin and Carbonate as a nanoencapsulation system of lipophilic compound** **Sofia Belen González Lezana,** Universidad de la Frontera, Chile
WBC P10	**Title: Synthesis, structural characterization, and antioxidant activity of alkyltrimetylammonium thiotungstate** **Horta Marron,** Autonomous University of Baja California, Mexico
WBC P11	**Title: Encapsulation of carotenoid in nanofibers by emulsion electrospinning: Termal and oxidative stability** **Camila Medina,** University of La Frontera, Chile
WBC P12	**Title: Augmentation of the immune response of Atlantic salmon through the oral delivery of alginate-encapsulated SRS antigens** **Daniela Sotomayor Gerding,** University of La Frontera, Chile
WBC P13	**Title: Production of Poly-3-hydroxybutyrate microfibers and gelatin nanofibers as scaffolding material using electrospinning process** **Claudia Sanhueza,** University of La Frontera, Chile
Panel Discussion	
Networking & Refreshment Break 16:40-17:00	
Thanks Giving & Closing Ceremony	