

13TH BIOTECHNOLOGY CONGRESS

November 28-30, 2016 San Francisco, USA

Moderator

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Hall Name

conference**series.com** 09:30-10:00

Opening Ceremony

Keynote Forum

Introduction

10:00-10:50 **Title: Outbreaks of Shiga toxin-related poisoning and methods for early detection**
Xiaohua He, United States Department of Agriculture-Agricultural Research Service, USA

Networking and Refreshments Break: 10:50-11:10

11:10-12:00 **Title: New methods for the detection and mitigation of food-borne toxins**
Luisa Cheng, United States Department of Agriculture-Agricultural Research Service, USA

12:00-12:50 **Title: Plant transformation services**
Zhanyuan J Zhang, University of Missouri, USA

Lunch Break 12:50-13:40

Sessions:

Food Biotechnology, Agricultural Biotechnology, Biotechnology and its Applications, Environmental Biotechnology

Session Chair: Akhileshwari Nath, S. S. Hospital and Research Institute, India

Session Co-chair: Inkyu Park, Korean Institute of Oriental Medicine, Republic of Korea

Session Introduction

13:40-14:10 **Title: Molecular profiling of testis in arsenic induced mice**
Akhileshwari Nath, S S Hospital and Research Institute, India

14:10-14:40 **Title: Chemobiological approaches for enhancing the efficacy of antifungal intervention**
Jong H Kim, United States Department of Agriculture-Agricultural Research Service, USA

14:40-15:10 **Title: Antibody engineering from hybridoma-derived monoclonal antibodies**
Lmar Babrak, United States Department of Agriculture-Agricultural Research Service, USA

15:10-15:40 **Title: Deep sequencing of root endophyte *Piriformospora indica* grown under salt stress**
Nivedita Lal, Jamia Hamdard, India

15:40-16:10 **Title: Comparative analysis of complete chloroplast genome sequence of two *Aconitum* species and in the family Ranunculaceae**
Inkyu Park, Korea Institute of Oriental Medicine, South Korea

Young Researcher Forum

Networking and Refreshments Break: 16:10-16:30

16:30-16:50 **Title: Optimization of biomass and lipid production from a local *Chlorella* isolates using response surface methodology and artificial neural network**
Zanenhlanhla Gumbi, University of KwaZulu Natal, South Africa

16:50-17:10 **Title: A combined salt and acid pretreatment for enhanced enzymatic saccharification of waste sugarcane leaves**
Preshanthan Moodley, University of KwaZulu Natal, South Africa

17:10-17:30 **Title: A two-stage hybrid pretreatment for enhanced enzymatic digestibility from corn cobs**
Yeshona Sewsynker, University of KwaZulu Natal, South Africa

Panel Discussion

Hall Name

Keynote Forum

Introduction

10:00-10:50 **Title: A novel strategy for developing long acting recombinant proteins: From bench to bedside**
Fuad Fares, University of Haifa, Israel

Networking and Refreshments Break: 10:50:11:10

11:10-12:00 **Title: Leveraging process characterization, manufacturing process history and facility fit considerations to improve cell culture process performance**
Edward Crabbe, Bristol Myers Squibb, USA

Sessions:

Industrial and Microbial Biotechnology, Biotechnology and its Applications, Nano Biotechnology

Session Chair: Vinod Kumar, The University of Nottingham, UK

Session Co-chair: Yogita Patil-Sen, University of Central Lancashire, UK

Session Introduction

12:00-12:30 **Title: Production of 1,3-propanediol from glycerol by mutant *Klebsiella pneumoniae* J2B devoid of 2,3-butanediol formation**

Vinod Kumar, The University of Nottingham, UK

12:30-13:00 **Title: Magnetoliposomes for hyperthermia cancer therapy**

Yogita Patil-Sen, University of Central Lancashire, UK

Lunch Break: 13:00-13:50

13:50-14:20 **Title: Synergistic antibacterial potential and total bioactive component determination of *Elletaria cardamomum*, *Piper nigrum* and *Syzygium aromaticum***

Varsha Mehra, Shaheed Rajguru College of Applied Sciences for Women, India

14:20-14:50 **Title: Thwarting PTEN expression by siRNA, augments HL-60 cell differentiation to neutrophil-like cells by DMSO and ATRA and reduces NETosis**

Shahram Teimourian, Iran University of Medical Sciences, Iran

14:50-15:20 **Title: Acceleration of glycolysis and D-lactate production by novel global metabolic engineering in yeast**
Ryosuke Yamada, Osaka Prefecture University, Japan

15:20-15:50 **Title: Renin-angiotensin-aldosterone system genomics in essential hypertension**

Kamna Srivastava, University of Delhi, India

Panel Discussion

Networking and Refreshments Break: 15:50:16:10

Young Researcher Forum

16:10-16:30 **Title: New process for copper migration from contaminated soil and bioelectricity generation in soil microbial fuel cells**

Hui Wang, Southeast University School of Energy and Environment, China

16:30-16:50 **Title: Simultaneous degradation of refractory organic pesticide and bioelectricity generation in a soil microbial fuel cell with different conditions**

Xian Cao, Southeast University School of Energy and Environment, China

16:50-17:10 **Title: Chondrogenic and possible pathologic effects of PRP on adipose derived MSCs**

Arezou Pakfar, Islamic Azad University, Iran

Hall Name

Poster Competition 10:00 to 12:00 with Coffee Break 11:15-11:35

- Biotek 1**
Title: Determination of genes involved in lignification of pomegranate seeds by transcriptome sequencing
 Yildiz Aka Kacar, Cukurova University, Turkey
- Biotek 2**
Title: PNA analysis for authentication of four medicinal *Paeonia* species based on rDNA-ITS sequence
 Wook Jin Kim, Korea Institute of Oriental Medicine, South Korea
- Biotek 3**
Title: Biocatalytic asymmetric phosphorylation catalyzed by recombinant glycerate-2-kinase
 Birhanu Mekuaninte Kinfu, University of Hamburg, Germany
- Biotek 4**
Title: Development of an automated portable system for extraction of DNA from difficult samples
 Wojciech Hahnel, Hochschule Kaiserslautern University of Applied Sciences, Germany
- Biotek 5**
Title: Effect of simulated gastric juice over viability in microencapsulated *Lactobacillus casei*
 Araceli Olivares, Pontifical Catholic University of Valparaiso, Chile
- Biotek 6**
Title: Nanoliposome particle possessing protein based CRISPR/Cas9 system for the therapeutic applications
 Jee-Yeon Ryu, Ajou University, South Korea
- Biotek 7**
Title: Novel technique to develop transgenic selectable marker free pigeonpea (*Cajanus cajan*) conferring resistance against pod borer *Helicoverpa armigera*
 Gourab Ghosh, St. Xavier's College, India
- Biotek 8**
Title: Ergothioneine fermentative production in *Escherichia coli*
 Miyu Nishiguchi, Nara Institute of Science and Technology, Japan
- Biotek 9**
Title: Strategy to overcome nucleic acid degrading enzymes in insect pests for the RNAi application
 Rayssa Almeida Garcia, Federal University of Brasilia, Brazil
- Biotek 10**
Title: Molecular adaptation of a metagenome-derived mercuric reductase from Kebrit Deep brine environment in the Red Sea to high salinity
 Eman Bellah Aly Ramadan, The American University in Cairo, Egypt
- Biotek 11**
Title: Development of lipase-sucrose complex to improve of transesterification activity and stability in the organic solvents
 Shota Kajiwara, Osaka Prefecture University, Japan
- Biotek 12**
Title: Functional adaptation of mercuric reductases from the deep brine environment of Atlantis II in the Red Sea to high temperature
 Mohamad Maged Galal, The American University in Cairo, Egypt
- Biotek 13**
Title: Evaluation of nutrient removal (NO₃-N, NH₃-N and PO₄-P) with *Chlorella vulgaris*, *Pseudomonas putida*, *Bacillus cereus* and the consortium of these microorganisms in the secondary treatment of municipal wastewater effluents
 Abril Ivett Priscilla Gomez-Guzman, University of Guadalajara, Mexico

Closing and Award Ceremony with Networking 12:00-12:40

Lunch Break 12:45-13:30