

Proceedings of

# Annual Industrial Biotechnology and Bioprocessing Congress

September 17-18, 2018 | San Diego, USA

EXHIBITOR

Northeastern University

Conference Series LLC Ltd

47 Churchfield Road, London, UK, W3 6AY | Toll Free: +44-800-014-8923

## Conference Hall: North Park

08:45-09:15 Registrations

09:15-09:30 Opening Ceremony

### Keynote Forum

09:30-10:30 Title: **Bioproducts from Miscanthus**

John R Schlup, Kansas State University, USA

#### Panel Discussion

Networking & Refreshment Break 10:30-10:50 @ Cortez Foyer

10:50-11:50 Title: **Methanotrophic bacteria: A new platform for recombinant protein production**

Marina G Kalyuzhnaya, San Diego State University, USA

Sessions: Enzyme Engineering and Drug Discovery | Biomanufacturing | Bioprocessing & Secondary Metabolites | Industrial and Chemical Biotechnology | Microbial Biotechnology and Food Processing | Biofuels and Biorefinery | Environmental Biotechnology

Session Chair: Michal Přibyl, University of Chemistry and Technology, Czech Republic

Session Co-chair: Ameeta RaviKumar, Savitribai Phule Pune University, India

#### Session Introduction

11:50-12:20 Title: **Using *Pichia pastoris* as a cell factory for producing  $\beta$ -xylosidase from *Lentinula edodes* and removing the xylosyl group from 7- $\beta$ -xylosyl-10-deacetyltaxol**

Ping Zhu, Chinese Academy of Medical Sciences & Peking Union Medical College, China

12:20-12:50 Title: **Depolymerization of marine alginates improves their health benefits in human**

Maksim Khotimchenko, Far Eastern Federal University, Russia

#### Panel Discussion

Lunch Break 12:50-13:50 @ Kensington Veranda

13:50-14:20 Title: **Evaluation of different liquid media for the production of chlamydospore of two Colombian strain of Nematophagous fungi**

Carlos Castillo-Saldarriaga,

Colombian Corporation of Agricultural Research – CORPOICA, Colombia

14:20-14:50 Title: **Electric field enhanced separation of antibiotics and their precursors in microextractors**

Michal Přibyl, University of Chemistry and Technology, Czech Republic

14:50-15:20 Title: **Evaluation of Genetic Diversity In Nigerian Egusi Melon (*Colocythis Citrullus*) using proximate and fatty acid analysis**

Aishatu Gado, Federal University of Technology, Nigeria

15:20-15:50 Title: **Fungal biodiesel production by solid-state fermentation on sugarcane bagasse**

Ameeta RaviKumar, Savitribai Phule Pune University, India

#### Panel Discussion

Networking & Refreshment Break 15:50-16:10 @ Cortez Foyer

16:10-16:40 Title: **Molecular characterization of a novel *Bacillus licheniformis* ieb-8 for production of thermophilic endopolygalacturonase enzyme**

Muhammad Javaid Asad, PMAS- Arid Agriculture University, Pakistan

16:40-17:10 Title: **Controlled selectivity via kinetic resolution with transient operation**

J Fernandez, University of Leeds, UK

#### Panel Discussion

## Conference Hall: North Park

### Keynote Forum

**9:30-10:30** Title: Tracking and predicting biomass processing with fluorescent carbohydrate binding modules  
Marc Beauregard, University of Quebec at Trois-Rivières, Canada

#### Panel Discussion

Networking & Refreshment Break 10:30-10:50 @ Cortez Foyer

**10:50-11:50** Title: The contribution of industrial biotechnology to economic development: The potential of second generation ethanol and the levers for its feasibility  
Aparecido Carvalho, Bluenergie, Brazil

### Group Photo

Sessions: Agriculture Biotechnology & Agroforestry | Industrial Biotechnology and Nutrigenomics | Animal Biotechnology and Marine Biotechnology | Nano-biotechnology and Biotherapeutics

Session Chair: Ping Zhu, Chinese Academy of Medical Sciences & Peking Union Medical College, China

#### Session Introduction

**11:50-12:20** Title: Effects of gamma irradiation of egg cells on macro and micro nutrients composition of the edible larval stage of *Cirina forda westwood* (Lepidoptera: saturnidae)  
Odeyemi Moses Olusesan, Federal University of Technology, Nigeria

**12:20-12:50** Title: Ectopic overexpression of a novel *r2r3-myb*, *ntmyb2* from Chinese *Narcissus* represses anthocyanin biosynthesis in tobacco  
Muhammad Anwar, Fujian Agriculture and Forestry University, China

#### Panel Discussion

Lunch Break 12:50-13:50 @ Kensington Veranda

**13:50-14:20** Title: Real-time monitoring of antibody glycosylation and physiological state of cells by in situ NIR spectroscopy during bioreactor CHO cell cultures  
Zavala-Ortiz D A, Veracruz Institute of Technology, Mexico

### Poster Presentations 14:20-15:30

Poster Judge: Marc Beauregard, University of Quebec at Trois-Rivières, Canada

**IB 01** Title: Reducing biomass recalcitrance by heterologous expression of a bacterial peroxidase in tobacco (*Nicotiana benthamiana*)  
Bertrand B Hankoua, Delaware State University, USA

**IB 02** Title: Selection of filtering agent and filter cloth to separate cells of probiotic yeast using a monophasic filter system  
Carlos Castillo-Saldarriaga, Colombian Corporation of Agricultural Research – CORPOICA, Colombia

**IB 03** Title: Chemical compositions of traditional alcoholic beverages and consumers' characteristics, Ethiopia  
Dersehilign Teshome, Medical University of Innsbruck, Austria

**IB 04** Title: Biosorption of chromium (vi) in aqueous solution by amaranth (*Amaranthus caudatus*) biomass  
Juan F Cardenas, Autonomous University of San Luis Potosí, México

**IB 05** Title: Effects of biologically active substances on the rabbit fertility  
Lubomir Ondruska, RIAP-National Agricultural and Food Centre, Slovakia

**IB 06** Title: Immunomagnetic separation and flow cytometry of rabbit sperms  
Vladimir Parkanyi, RIAP-National Agricultural and Food Centre, Slovakia

**IB 07** Title: Bringing algae to the data centers  
Sai Guna Ranjan Emami, National College of Ireland, Ireland

Panel Discussion & Networking Session 15:30-16:00

Networking & Refreshment Break 16:00-16:20 @ Cortez Foyer

Awards & Closing Ceremony