



9<sup>th</sup> Edition of International Conference on

# BIOFUELS AND BIOENERGY



**March 29-30, 2018**  
**Edinburgh, Scotland**



# Agenda Day 1: March 29, 2018

## GLENFIDDCH

### 09:00-09:30 Registration

09:30-10:00 Opening Ceremony

### Keynote Forum

#### 10:00-10:05 Introduction

**Title: Processing biomass using butanol: Circular economy arguments**

10:05-10:35

Nicholas James Westwood, University of St Andrews and EaStCHEM, UK

Coffee break 10:35-10:55 @ Academy Lounge

10:55-11:25

**Title: Land and aquatic biomass derived monomer**

Michele Aresta, ICCDU, Italy

11:25-11:55

**Title: Biomass quality network Canada's perspective on emerging bioenergy landscape in Canada**

Ataullah Khan, Innotech Alberta, Canada

### Sessions : Biomass | Biogas | Energy and Environment

**Session Chair: Nathaniel Cooper**, Imperial College London, UK

#### Session Introduction

11:55- 12: 20

**Title: Data Aggregation Tool for use in MILP Biomass Supply Chain Optimization**

Nathaniel Cooper, Imperial College London, UK

12:20- 12:45

**Title: High purity cellulosic sugars via amorphous carbohydrates and sulfur free lignin from lignocellulose**

Streffer K , LXP Group GmbH, Germany

#### Group Photo

Lunch Break 12:45-13:30 @ Traders restaurant

13:30-13:55

**Title: Optimal biofuel futures: The role of functional units and fuel suitability**

Markus Millinger, Helmholtz Centre for Environmental Research (UFZ), Leipzig, Germany

13:55-14:20

**Title: Biotransformation of organic waste into biogas and biofertilizer a sustainable way of solid waste management**

Amit Kumar Jain, BijSon Innovation Pvt. Ltd., India

14:20-14:45

**Title: Blockchain biofuel application**

Jan Clement, EnergyCoin Foundation, Netherlands

14:45-15:10 **Title: Pretreatment of pine needle waste biomass through enzymatic cocktail for bioethanol production**  
Ravi Kant Bhatia, Himachal Pradesh University Summer Hill Shimla, India

**Sessions : Biodiesel | Bioenergy**

**Session Chair: Govinda Timilsina**, The World Bank, USA

**Session Co Chair: Ataulah Khan**, Innotech Alberta, Canada

15:10-15:35 **Title: Supports to immobilize lipase and use it in oil production**  
Benjamin Summers, PuroLite, UK

15:35-16:00 **Title: Analytical challenge for the characterization of oxymethylene ether (ome) as a fuel for diesel engines**  
Hendrik Stein, ASG, Germany

**Coffee break 16:00-16:20 @ Academy Lounge**

16:20-16:40 **YRF: A new biological process for CO<sub>2</sub> valorization**  
Azariel Ruiz Valencia, Institut Européen des Membranes, France

## Biofuels 2018

# Agenda Day 2: March 30, 2018

### GLENFIDDCH

**Keynote Forum**

10:00-10:05 **Introduction**

10:05-10:35 **Title: Recent advances in enzymatic biofuel cells**  
Sergie Cosnier, Université Grenoble-Alpes, France

**Coffee Break 10:35-10:55 @ Academy Lounge**

10:55-11:25 **Title: Biofuels: Markets, policies and future development prospects**  
Govinda Timilsina, The World Bank, USA

**Sessions: Renewable Energy | Bioenergy | Energy and Environment | Algal Biofuels**

**Session Chair: Nathaniel Cooper**, Imperial College London, UK

11:25-11:50 **Title: Cultivation of marine cyanobacteria and diatoms on refinery waste water**  
Biserka Lukarić Špalj, INA Oil Refinery PLC, Croatia

11:50-12:10 **YRF: An algorithm for development of transition probabilities matrices to predicting ramp events, based on Markov Model**  
Hermes Loschi, UNICAMP - Campinas-SP, Brazil

12:10-12:30

**YRF: The using of sustainable high voltage equipment insulation materials in brazilian scenario**

Douglas Aguiar do Nascimento, UNICAMP - Campinas-SP, Brazil

12:30-12:50

**YRF: Maintenance engineering methodology in photovoltaic generation plants**

Carlos Bertolassi, UNICAMP - Campinas-SP, Brazil

12:50-13:10

**YRF: Waste cooking oil transesterification with Lithium and Tin oxides supported on Mayenite**

Jerry Solis, KTH, Sweden

Lunch Break 13:10-13:50 @ Traders restaurant

Sessions: Biomass | Biogas | Biodiesel | Renewable Energy

Session Chair: Govinda Timilsina, The World Bank, USA

13:50- 14:15

**Title: SRCA: A mild catalyst-free biodiesel process**

Jianli Zeng, SINOPEC, Beijing, China

14:15- 14: 40

**YRF: How does biodiesel compare to other renewable diesel fuels?**

Michael D. Eggleston, University of Rhode Island, USA

14:40-15:00

**YRF: Ethanolic fermentation by *Kluyveromyces marxianus* with imidazolium ionic liquids**

Ranim ALAYOUBI, University of Picardie Jules Verne, France

15:00- 15:20

**YRF: Reactive coupling of glycerol transformation to solketal into biodiesel production process using organic acid catalyst**

Luma Sh. Al-Saadi, Newcastle University, UK

15:20-15:40

**Title: Study of energy efficiency in experimental sewage effluent reprocessing plant**

Silvio Renato Messias de Carvalho, State University of Campinas (UNICAMP), SP-Brazil

Video Presentation

Coffee Break 15:40-16:10 @ Academy Lounge

Poster Session 16:10 onwards @ Academy Lounge

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**March 04-05, 2019**  
**Barcelona, Spain**

**EuroSciCon** 