

# 11<sup>th</sup> World Bioenergy Congress and Expo

July 02-04, 2018 | Berlin, Germany



**UK: Conference Series Ilc LTD**

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<https://bioenergy.conferenceseries.com/>

Meeting Room- Sylt 3

conference**series.com** 09:30-09:55

## Opening Ceremony

### Keynote Forum

09:55-10:00 Introduction

**Title: Upgrading underutilized biomass feedstock for cost-efficient biofuels production employing the circular bioeconomy approach**

10:00-10:35

**Lew P. Christopher**, Lakehead University, Canada

**Title: How to make a recombinant microbial strain of bio-safety for agricultural and industrial engineering**

10:35-11:10

**Weilan Shao**, Jiangsu University, China

### Group Photo and Refreshments Break 11:10-1140 @ Sylt Foyer

11:40-12:15 **Title: Forest residues biorefinery: a diversification potential for traditional petroleum industry**

**Patrice J. Mangin**, BioÉnergie La Tuque, Canada

**Title: Thermal Energy Storage of Alumina Nanofluids using Innovation Dimensional Analysis**

12:15-12:50

**Jung-Chang Wang**, National Taiwan Ocean University (NTOU), Taiwan

**Sessions: Biomass feed stocks for renewable energy generation | Bioethanol | Bioenergy Applications Energy and Environment**

**Session Chair: Soo-Young No**, Chungbuk National University, South Korea

12:50-13:20 **Title: Application of biomethanol to advanced CI engines – A review**

**Soo-Young No**, Chungbuk National University, South Korea

### Lunch Break 13:20-14:20 @ Restaurant Rienäcker

14:20-14:50 **Title: Woodgas CHP units: An efficiency and system comparison of the Dual-Fuel and Gas-Otto engine combustion process**

**Markus Brautsch**, University of Birmingham, Germany

14:50-15:20 **Title: Deciphering synergistic characteristics of medicinal herbs and edible flora to stimulate electrochemically-steered biorefinery**

**Bor-Yann Chen**, National I-Lan University, Taiwan

15:20-15:50 **Title: Role of biomass during co-gasification of coal and biomass**

**Wen-ying LI**, Taiyuan University of Technology, China

### Networking and Refreshments Break 15:50-16:20 @ Sylt Foyer

16:20-16:50 **Title: PhytoPower: Safely transforming mercury phytoremediation crops into bioenergy**  
**Tanja Radu**, Loughborough University, UK

16:50-17:10 **YRF: An evaluation of fermentation approaches for ethanol production from enzymatically pretreated sugarcane tops**

**Knawang Chhunji Sherpa**, Indian Institute of Technology, India

17:10-17:30 **YRF: Green catalyst mediated biodiesel production from waste cooking oil**

**G. Lohit K. Srinivas**, Indian Institute of Technology, India

### Panel Discussion

Day 2 July 03, 2018

Meeting Room- Sylt 3

### Keynote Forum

- 10:00-10:35 **Title: Next Generation of Low Recalcitrance Plants for BioFuels**  
**Arthur J. Ragauskas**, Oak Ridge National Laboratory, USA
- 10:35-11:10 **Title: Intermittent vacuum assisted thermophilic AD and biorefining technologies for liquid and solid waste utilization and treatment**  
**Roger Ruan**, University of Minnesota, USA

Networking and Refreshments Break 11:10-11:40

- 11:40-12:15 **Title: Grass and cattle manure digestion – a viable feedstock alternative**  
**Michael Köttner**, Intenational Biogas and Bioenergy Center of Competence IBBK, Germany

Sessions: Biofuels | Green energy and economy | Processes for Bioenergy

Session Chair: Patricia J Harvey, University of Greenwich, UK

Session Introduction

- 12:15-12:45 **Title: Extracting value from non-potable water using halophilic algae: a water-food-energy nexus approach for delivering bioenergy**  
**Patricia J Harvey**, University of Greenwich, UK
- 12:45-13:15 **Title: Cost effective production of Polyhydroxyalkanoates biopolymers using mixed microbial culture and industry waste water: An ecofriendly approach**  
**Regina Nogueira**, Institute for Sanitary Engineering and Waste Management , Germany

Lunch Break 13:15-14:15 @ Restaurant Rienäcker

- 14:15-14:45 **Title: Studies on Tannin Rich Plants**  
**Khageshwar Singh Patel**, Pt. Ravishankar Shukla University, India
- 14:45-15:15 **Title: Biorefinery approach of microalgae feedstock for the production of bioethanol and biodiesel elaeagnifolium**  
**Ramachandran Sivaramakrishnan**, Chulalongkorn University, Thailand
- 15:15-15:35 **YRF: Determination of efficiency for enzymatic delignification of lignocellulosics using laccase**  
**Rajiv Chandra Rajak**, Indian Institute of Technology, India

Networking and Refreshments Break 15:35-16:05 @ Sylt Foyer

Poster Presentations ( 16:05 Onwards) @ Sylt Foyer

Poster Judge: Roger Ruan, University of Minnesota, USA

- BE-01 **Title: Modeling Biomass Behavior during Combustion: A Thermochemical Approach to predict slagging. Effect of the S/Cl molar ratio**  
**Ibai Funcia**, National Renewable Energy Centre (CENER), Spain
- BE-02 **Title: Astral-type Mechanisms on Combustion Performance and Decrease of Exhaust Gases**  
**Shun-Chang Yen**, National Taiwan Ocean University, Taiwan
- BE-03 **Title: Fructose conversion into 5-Hydroxymethylfurfural catalyzed by POM/graphene oxide**  
**Abbas Teimouri**, Isfahan University of Technology, Iran
- BE-04 **Title: Lignin depolymerization in basic-subcritical water over Mo/SBA-15 catalyst into phenolic monomers**  
**Masud Rana**, Chonnam National University, Republic of Korea
- BE-05 **Title: An Efficient and Convenient Upgrading Process for Hydrothermal Liquefaction of Crude Bio-oil to fuel-oil by Activated Red-Mud (ARM)**  
**Seong-Jae Park**, Chonnam National University, Republic of Korea

- BE-06** **Title: Xylose assimilating yeasts and use of sugar from lignocellulosic biomass**  
**Eleni Gomes**, Universidade Estadual Paulista-Unesp, Brazil
- BE-07** **Title: Valorisation of wastes produced from processed Assam lemon**  
**Debajyoti Kundu**, Indian Institute of Technology, India
- BE-08** **Title: An integrated approach of utilization of broken rice for bioethanol production**  
**Mohan Das**, Indian Institute of Technology, India
- BE-09** **Title: Production of biodiesel from Waste Trap Grease**  
**Pintu Buda**, Indian Institute of Technology, India

**Day 3 July 04, 2018**

**Meeting Room- Sylt 3**

**Keynote Forum**

- 10:00-10:35** **Title: Pilot scale production of 2G ethanol utilizing rice straw: an integrated bio-refinery approach**  
**Rintu Banerjee**, Indian Institute of Technology, India
- 10:35-11:10** **Title: Bio Energy from CAM Plants Sisal Agave and Opuntia**  
**A. Jagadeesh**, Nayudamma Centre for Development Alternatives, India

**Networking and Refreshments Break 11:10-1140 @ Sylt Foyer**

**Sessions: Biogas**

**Session Introduction**

- 11:40-12:10** **Title: Progress in developing measurement standards and standardised test methods for biogas and biomethane assessment**  
**Jianrong Li**, Van Swinden Laboratory (VSL), Netherlands
- 12:10-12:30** **YRF: Biodiesel production from enzymatically delignified lignocellulosic substrates using oleaginous yeast Trichosporon sp**  
**Samudrala Prashant Jeevan Kumar**, Indian Institute of Technology, India

**Lunch Break & Networking Session (12:30 Onwards) @ Restaurant Rienäcker**

**Award Function & Closing Ceremony**

**Bookmark your dates**

# 14<sup>th</sup> World Bioenergy Congress and Expo

June 06-07, 2019 London, UK

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