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Scientific Program

World Bioenergy Congress and Expo

June 13-14, 2016 Rome, Italy



Hosting Organization: Conference Series LLC
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Scientific Program

Day 1 June 13, 2016

08:00-09:00 Registrations

Olimpica 2

conferenceseries.com **09:00-09:25** Opening Ceremony

Keynote Forum

09:25-09:30	**Introduction**
09:30-10:00	**Consolidated bioprocessing of lignocellulosic materials for cost-competitive bioenergy production** **Lew P Christopher,** Lakehead University, Canada
10:00-10:30	**Harnessing the biomass recalcitrance for fuels and chemicals: Current state of the arts and our strategies in China** **Jianzhong Sun,** Jiangsu University, China
10:30-11:00	**Germany's future biogas market – Back to the roots?** **Michael Kottner,** German Biogas and Bioenergy Society, Germany

Group Photo & Coffee Break @ Foyer 11:00-11:20

Track 2: Biomass feed stocks for renewable energy generation

Session Introduction

Session Chair: David Lewis, Muradel Pty Ltd, Victoria, Australia

Session Co-chair: Rob Mitchell, University of Nebraska, USA

11:20-11:40	**Title: Microalgae - Are they an appropriate feedstock for biofuels? What are the alternatives?** **David Lewis,** Muradel Pty Ltd, Victoria, Australia
11:40-12:00	**Title: Herbaceous perennial feedstocks for marginally-productive landscapes in the central USA** **Rob Mitchell,** University of Nebraska, USA
12:00-12:20	**Title: Optimization of sustainable forest-based biomass supply chains** **Taraneh Sowlati,** University of British of Columbia, Canada
12:20-12:40	**Title: Characterisation of spent sulfite liquor and its valorisation using Aspen Plus® simulation software** **Alberto Coz,** University of Cantabria, Spain
12:40-13:00	**Title: Miscanthus for biogas production – Influence of harvest date and stand age on the biochemical methane potential (BMP) and soil properties** **Axel Schmidt,** University of Trier, Germany

Lunch Break @ Restaurant 13:00-14:00

14:00-14:20	**Title: Production of polyhydroxybutyrate (PHB) from wheat bran through enzymatic hydrolysis and fermentation** **Nallusamy Sivakumar,** Sultan Qaboos University, Muscat, Oman

14:20-14:40	**Title: Yellow laccase mediated delignification: An attempt towards eco-friendly pretreatment of lignocellulosics**
	Rintu Banerjee, Indian Institute of Technology, India
14:40-15:00	**Title: Electricity generation by refined biogas from municipal solid waste**
	Muhammed Khader Karunnappilli, Petrocare Engineering & Consultancy Services Private Limited, India
15:00-15:20	**Cassava production as an energy crop in Nigeria: Analysis of present and future potentials**
	Nelson Abila, Busho Serenity Foundation, Ondo State, Nigeria
15:20-15:40	**Compare the ability to generate electricity by Azolla fern's biogas in different systems of small scale CHP**
	Alireza Mehrdadfar, Islamic Azad University,Tehran, Iran
	Coffee Break @ Foyer 15:40-16:00
Track 4: Bioenergy Transition Track 7: Processes for Bioenergy	
	Session Introduction
Session Chair: Ananda S Amarasekara, Prairie View A&M University, USA	
16:00-16:20	**Title: Ionic liquid based artificial cellulase type catalysts for cellulosic ethanol process**
	Ananda S Amarasekara, Prairie View A&M University, USA
16:20-16:40	**Title: Gasification of lactose in supercritical water as a model compound of dairy industry effluent**
	Janusz A Kozinski, York University, Canada
16:40-17:00	**Title: Sink or Swim: Navigating the Biofuels climate in an oil price recession**
	Jordan Godwin, Platts, USA
17:00-17:20	**Title: Study on Submerged Anaerobic Membrane Bioreactor (SAMBR) treating hypersaline raw tannery wastewater for biogas production**
	Umaiyakunjaram R, Central Leather Research Institute, India

Day 2 June 14, 2016

Olimpica 2

Keynote Forum

09:30-10:00	**How does *Thermoanaerobacter ethanolicus* regulate its ethanol fermentation pathway?** **Weilan Shao,** Jiangsu University, China
10:00-10:30	**Hybrid thermochemical and biochemical conversion of biomass for renewable fuels and products** **Animesh Dutta,** University of Guelph, Canada
10:30-11:00	**PHOTO-LMEn: Biochar-based materials for the sustainable photoproduction of liquid and gaseous molecules to energy** **Juan Matos Lale,** University of Concepcion, Chile
	Coffee Break @ Foyer 11:00-11:15
Track 3: Bioenergy Conversion	
	Session Introduction
Session Chair: Foster Agblevor, Utah State University, Logan UT, USA **Session Co-chair: Blake A Simmons,** Joint BioEnergy Institute, USA	

11:15-11:35	**Title: Production of infra-structure ready biofules from olive mill wastewater sludge**
	Foster Agblevor, Utah State University, Logan UT, USA
11:35-11:55	**Title: Synthesis and characterization of renewable ionic liquids for biomass conversion**
	Blake A Simmons, Joint BioEnergy Institute, USA
11:55-12:15	**Title: Method for hot real-time sampling of Gasificaton Products**
	Marc Pomeory, National Renewable Energy Laboratory, USA
12:15-12:35	**Title: "Milking" of cyanobacterial cells as a strategy for sustainable production of biofuels**
	Tatsuo Omata, Nagoya University, Japan
12:35-12:55	**Title: Co-gasification of biomass and coal in fluidized bed gasifier**
	Pinakeswar Mahanta, Indian Institute of Technology Guwahati, Guwahati, India
12:55-13:10	**Title: An eco-friendly enzyme mediated biomass pretreatment and hydrolysis towards bioethanol production**
	Rajiv Chandra Rajak, Indian Institute of Technology, India
13:10-13:25	**Title: Valorization of pineapple leaf waste through integrated production of bioethanol and biomanure**
	Anjani Devi Chintagunta, Indian Institute of Technology, India
Lunch Break @ Restaurant 13:25-14:10	
Track 6: Bioenergy Economy, Market, Policy and Social Acceptance Track 9: Bioenergy Applications Track 12: Biogas Track 13: Biodiesel	
Session Introduction	
Session Chair: Sandra D Eksioglu, Clemson University, USA	
14:10-14:30	**Title: Bioenergy supply chains optimization: models and applications**
	Sandra D Eksioglu, Clemson University, USA
14:30-14:50	**Title: Integrated bioenergy and food systems: Building sustainable options based on evidence**
	Sergio Luis Rivero Acha, Food and Agriculture Organization of the United Nations, Italy
14:50-15:10	**Title: Food waste co-digestion with sewage sludge – Realising its potential in Malaysia**
	Kumaran Palanisamy, Universiti Tenaga Nasional, Malaysia
15:10-15:30	**Title: Performance evaluation of large scale anaerobic digester using gas mixing for wholesale vegetable complex waste producing biogas and power**
	C Prem Ananth Surendran, Central Leather Research Institute–CSIR, India
15:30-15:50	**Title: Bioenergy potential for power generation: Performance and emission of improvised biodiesel in microgasturbine**
	Kumaran Palanisamy, Universiti Tenaga Nasional, Malaysia
Coffee Break @ Foyer 15:50-16:10	
Poster Presentation @ 16:10-16:50	
BE-01	**Title: Substitution of maize in biogas production – Biochemical Methane Potential (BMP) of composites of maize and perennial energy crops**
	Christoph Emmerling, University of Trier, Germany
BE-02	**Title: Complete saccharification of cellulose through chemoenzymatic hydrolysis**
	In Taek Hwang, Biorefinery Research Group, Republic of Korea

BE-03	**Title: Alkaline pretreatment with recycled process wastewater using twin- screw system for bioethanol production**
	Young-Lok Cha, Bioenergy Crop Research Institute, KOREA
BE-04	**Title: Development of Upflow Multi-layer Anaerobic Reactor (UMAR) treating high-solids organic wastes and bacterial community analysis**
	Si-Kyung Cho, Dongguk University, Republic of Korea
BE-05	**Title: Can microalgae be alternative candidates for biodiesel production?**
	Khaled Nageh Mohammed Elsayed, Jacobs University Bremen, Germany
BE-06	**Title: Syncronous lignin degradation and enhanced reducing sugar production along with fermentation to bioethanol: A single step bioprocessing of mixed lignocellulosic feedstocks**
	Avanthi Althuri, Indian Institute of Technology, India
BE-07	**Title: Efficient production of butyric acid from lignocellulosic hydrolysate by *Clostridium sp. S1***
	Youngsoon Um, Korea Institute of Science and Technology, Republic of Korea
BE-08	**Title: Amino acids as a source of higher alcohols**
	Henry Oamen Patrick, The University of Manchester, United Kingdom
BE-09	**Title: Optimization of Isopropanol-Butanol (IB)-fermentation with *Clostridium sp. A1424***
	Youngsoon Um, Korea Institute of Science and Technology, Republic of Korea
BE-10	**Title: Biogas production potential from teak leaves (*Tectona grandis*)**
	Anongnart Wannapokin, Maejo University, Thailand
BE-11	**Title: Biodiesel production from sunflower oil using ZSM5 supported catalysts**
	Jane Estephane, University of Balamand, Lebanon
Award Ceremony	



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2nd World Bioenergy Congress & Expo

July 13-14, 2017 Madrid, Spain

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