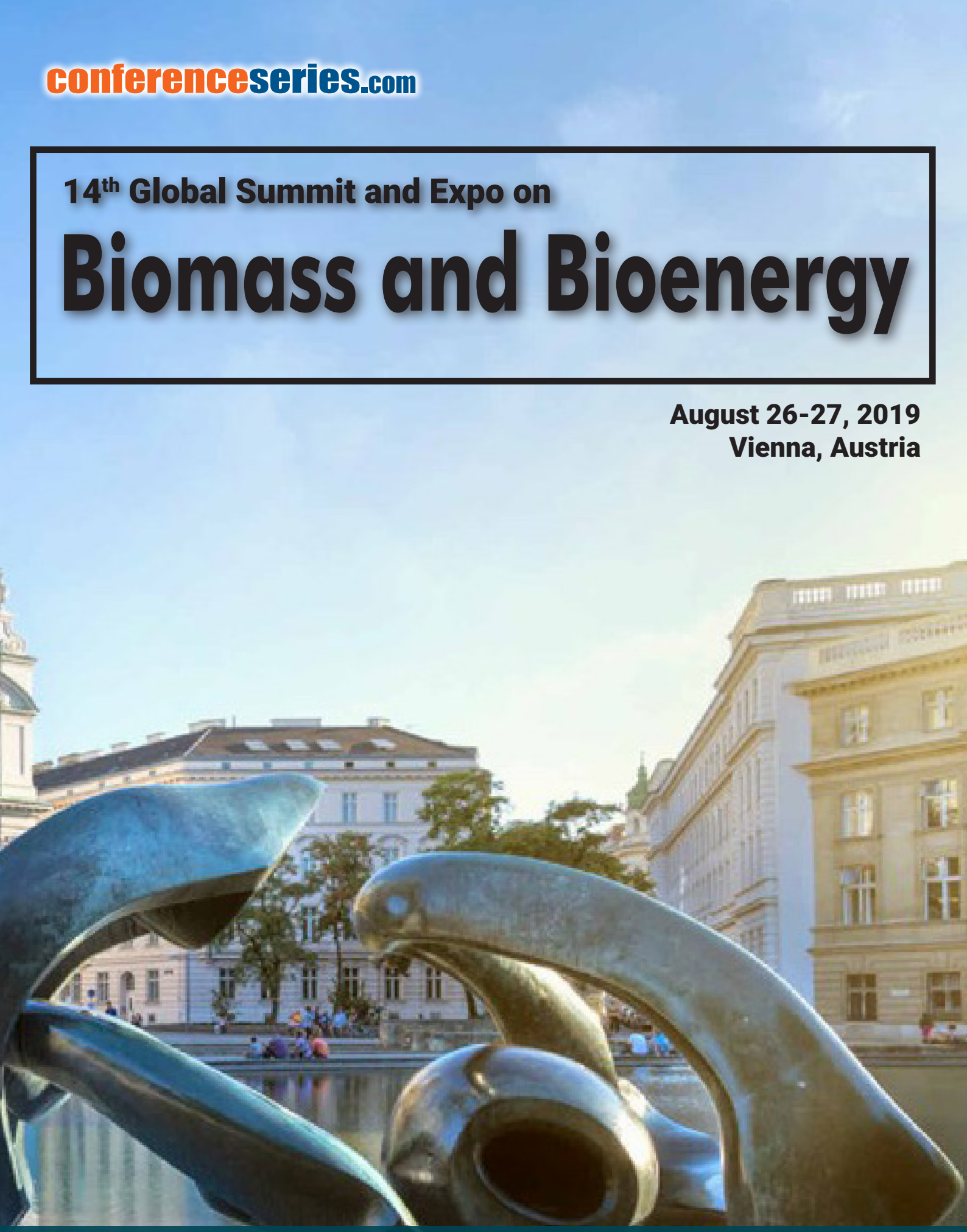
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14th Global Summit and Expo on

Biomass and Bioenergy

August 26-27, 2019
Vienna, Austria



SCIENTIFIC PROGRAM

DAY 1
Monday, 26th August

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50 Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Biomass Processing Technologies	**Talks On:** Biomass Applications
Anaerobic digestion (for methane-rich gas)	Trending Research from Biomass
Fermentation (of sugars for alcohols)	Jet fuel for Heavy Machines from Biomass
Oil exaction (for biodiesel)	Liquid Biofuels from Biomass
Pyrolysis (for biochar, gas and oils)	Cellulosic Ethanol from Biomass
Gasification (for carbon monoxide and hydrogen-rich syngas).	
Biological Conversion	
Pellet Quality and Standards	
Biomass Heat in Rural Areas	

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Biomass Conversion Technologies	**Talks On:** Pellets & Densified Biomass
Combustion and Co-firing	Feedstock Procurement Strategies
Chemical conversion from oil-bearing crops	Biomass Harvest and Transport
Latest Conversion Technologies in Biomass	Pellet Mill Design
Biomass for Electricity Generation	Mill Operation and Management
Heat and Power Generation	Market Analysis and Forecasts

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in Biomass 2019	Workshop

DAY 2
Tuesday, 27th August

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50	MEETING HALL 01	MEETING HALL 02
	Talks On: Pyrolysis	**Talks On:** Bioenergy Conversion Methods
	Pyrolysis of Biomass	Thermal Conversion of Biomass
	Wood pyrolysis	Heat and Power Generation
	Advances in pyrolysis gasification	Biomass for Electricity Generation
	Spintronics	Biomass for Electricity Generation
		Latest Conversion Technologies in Biomass
		Track 9-6Electrochemical Conversion of Biomass

12:50-13:35 LUNCH BREAK

13:35-15:55	MEETING HALL 01	MEETING HALL 02
	Talks On: Production of Biofuels	**Talks On:** Renewable Energy
	Production of Biofuels from Biomass	Applications of aviation biofuels
	Production of Biodiesel from Biomass	Jet biofuel
	Production of Bio chemicals from Biomass	Commercialization of aviation biofuels
	Production of Biogas from Biomass	Green replacement fuels in flights
		Synthesis of aviation biofuel via Fischer-Tropsch process
		Risk analysis of aviation fuels

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	Workshop

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DAY-1

September 04, 2018

Meeting Hall: **Brussels**

08:30-09:00 Registrations

Opening Ceremony — 09:00-09:30

Keynote Forum

09:30-09:35 **Introduction**

09:35-10:15 **Title: Recent advances in catalytic production of biobased furan derivatives**
Christophe Len, Université de Compiègne, France

Group Photo

Networking & Refreshment 10:15-10:35 @ Europa Foyer

10:35-11:15 **Title: Biomass valorization by means of catalytical and biological processes**
Magda Constantí, University Rovira I Virgili, Spain

11:15-11:55 **Title: Development of efficient bioprocesses for improved bioethanol production from a mixture of food wastes**
Vinay Sharma, Banasthali University, India

Sessions: Biomass Conversion Methods | Biomass Applications | Biomass Energy Resources | Biomass Power & Thermal

Chair: Magda Constantí, University Rovira I Virgili, Spain
Co-Chair: Ferruccio Pittaluga, University of Genoa, DIME, Italy

11:55-12:15 **Title: Biomass Gasification Technologies for Biochar Production and Energy Generation**
Ferruccio Pittaluga, University of Genoa, DIME, Italy

12:15-12:35 **Title: Nanocatalysts for oxygen removal from biomass derived biofuel**
Antonia Infantes-Molina, Universidad de Málaga, Spain

12:35-12:55 **Title: Bioethanol Production from Perennial Grasses**
Satyawati Sharma, CRDT, IIT New Delhi, India

Lunch Break 12:55-13:40 @ La Place AB

13:40-14:00 **Title: Antimicrobial activity of microalgal strains against pathogenic bacteria and fungal Strains**
Sitwat Aman, The University of Lahore, Pakistan

14:00-14:20 **Title: Biomass Gasification: Sustainable technology for waste to energy**
Sandeep Kumar, Indian Institute of Technology (IIT) Bombay, India

Sessions: Production of Biofuels | Advanced Biofuels & Biochemicals

Chair: **Jinying Yan,** KTH - Royal Institute of Technology, Sweden
Co-Chair: **Anushree Malik,** Centre for Rural Development and Technology, IIT Delhi, India

14:20-14:40
Title: Sustainable Water-Energy-Environment Nexus for Thermal Bioenergy Conversion
Jinying Yan, KTH - Royal Institute of Technology, Sweden

14:40-15:00
Title: Algal-fungal interactions for dewatering and pretreatment of microalgal biomass targeting improved biofuel production
Anushree Malik, Centre for Rural Development and Technology, IIT Delhi, India

15:00-15:20
Title: Microalgae cultivation in continuous reactor using mixotrophic anaerobic effluent: Effect of dilution rate on biomass productivity and tertiary treatment
SERVIO CASSINI, Dept. Environmental Engineering UFES, Brazil

15:20-15:40
Title: Modeling of slow pyrolysis of various biomasses in a rotary kiln using TGA data
Ramiar Sadegh-Vaziri, KTH Royal Institute of Technology, Sweden

15:40-16:00
Title: BIORAISE: a GIS tool for the evaluation of agricultural and forestry available biomass resources and costs in Mediterranean Countries
Eva Sevillano Marco, CEDER-CIEMAT, Spain

Networking & Refreshment 16:00-16:20 @ Europa Foyer

16:20-16:40
Title: Numerical study of the natural-draft flow and heat transfer in abiomass plancha-type cookstove
Alberto Beltrán, Universidad Nacional Autónoma de México, México

16:40-17:00
Title: Ultra thin membrane made by Atomic layer deposition for CO_2 separation
Ying-Bing Jiang,Univ. of New Mexico, USA

17:00-17:20
Title: Advanced liquid biofuels from residue biomass by thermo-catalytic reforming
Andreas Hornung,Fraunhofer Institute for Environmental, Safety, and Energy Technology (UMSICHT), Germany

17:20-17:40
Title: Fast en trained bio-oil production in an entrained flow pilot reaction
Peyrot Marine,CEA LITEN, Grenoble, France

DAY-2

September 05, 2018

Meeting Hall: **Brussels**

09:00-09:05 Introduction

Keynote Forum

09:05-09:50
Title: **World markets for conventional and advanced biofuels over the next five years**
Abhishek Asthana, Hallam Energy, Sheffield Hallam University, United Kingdom

Networking & Refreshment 09:50-10:10 @ Europa Foyer

10:10-10:50
Title: **Energy and Materials from Biomass Pyrolysis**
Gerrit Brem, University of Twente, The Netherlands

Sessions: Bioenergy |Renewable Energy

Chair: Layla Salih Al-Omran, University of Basrah, Iraq
Co-Chair: Harri Ali-Löytty, Tampere University of Technology, Finland

10:50-11:10
Title: **The most important factors influencing human exposure assessments of Brominated Flame Retardants(BFRs) viaindoordustingestion**
Layla Salih Al-Omran, University of Basrah, Iraq

11:10-11:30
Title: **Efficient Use of Sugarcane Bioenergy for Sustainability of Indian Sugar Industry**
Narendra Mohan, National Sugar Institute, Kanpur,India

11:30-11:50
Title: **Operando Investigations of Electrochemical Interfaces for Solar Fuel Production by Ambient-Pressure Photoelectron Spectroscopy**
Harri Ali-Löytty, Tampere University of Technology, Finland

11:50-12:10
Title: **Moroccan energy transition: development of renewable energies and energy efficiency**
Touria Barradi, Ecole Centrale de Casablanca, Morocco

12:10-12:30
Title: **Producing energy through gases from biomass**
Aude Bertrandias, Air Liquide Centre de Recherche Paris-Saclay, France

12:30-12:50
Title: **Estimated production of electrical energy for the controlled landfill in Fez (Morocco) by the US EPA Land-GEM model**
Naimi Youssef, University of Hassan II Casablanca, Morocco

Lunch Break 12:50- 13:35 @ La Place AB

Poster Presentations 13:35-14:20

Poster Judge: Christophe Len, Université de Compiègne, France

BM 01
Title: **Capillary electrophoresis in the analysis of volatile fatty acids, ammonium and nutrients from mesofilic anaerobic digestion samples**
Jasmiina Haverinen, University of Oulu, Kajaani University, Finland

BM 02 **Title: Design Automation of the Manufacturing Process of a Mini – Biodiesel Plant**
Deivison Silveira Santos de Jesus, Automation and Control Engineer – FAMEC, Brazil

BM 03 **Title: Chitin and shrimp shells liquefaction and their use in blend membranes**
Wen-Rong Xu, Hainan University, China

BM 04 **Title: Sustainable Water-Energy-Environment Nexus for Thermal Bioenergy Conversion**
Zhi Zou, KTH - Royal Institute of Technology, Sweden

BM 05 **Title: Pyrolysis of aerobic sewage sludge in fluidized bedreactor between 700 & 830°C: Comparison with woody wastes.**
Sid Ahmed Kessas, Université de Toulouse, CNRS, INPT, UPS, Toulouse, France

BF 01 **Title: Renewable resource-based material synthesized from lignocellulosic biomass**
Chikakao Asada, Tokushima University, JAPAN

BF 02 **Title: Improved Production of Cellulosic Bioethanol using Miscanthus Hydrolysate by Engineered Saccharomyces cerevisiae**
Young-Lok Cha, National Institute of Crop Science, Republic of KOREA

BF 03 **Title: In field integration of winter cereals with corn stover to improve biomass yield and quality**
Kurt D Thelen, Michigan State University, USA

BF 04 **Title: Gasification characteristics of various biomass on thermal decomposition and steam reforming**
Yuya Sakurai, Kogakuin University, Japan

BF 05 **Title: Mechanochemistry for a smart and sustainable biodiesel production under heterogeneous catalysis**
Irene Malpartida Garcia, University of Malaga, Spain

BF 06 **Title: Chemical Characterization of Bio-oils from Cellulose, Hemicellulose and Lignin Pyrolysis**
Martin Stas, University of Chemistry and Technology Prague, Czech Republic

Sessions: Pyrolyis| Bioeconomy

Chair: Stephen Mitchual, University of Education, Ghana

14:20-14:40 **Title: Fuel characteristics of binder free briquettes made at room temperature from blends of Ceiba pentandra and oil palm mesocarp fibre**
Stephen J Mitchual, University of Education, Ghana

14:40-15:00 **Title: I'mgreenTM PE: paving the way for sustainable plastics.**
Martin Clemesha, BRASKEM, Netherlands

15:00-15:20 **Title: Waste-derived carbon: structure, properties and applications**
Swati Sharma, Karlsruhe Institute of Technology, Germany

15:20-15:40 **Title: How to meet the needs of bees? – Diversification of industrial crops cultivation for a more environmentally benign bioeconomy**
Moritz Von Cossel, Universität Hohenheim, Germany

15:40-16:00 **Title: Scalable concepts for microwave pyrolysis**
John Robinson, University of Nottingham, UK

Networking & Refreshment 16:00-16:20 @ Europa Foyer

16:20-16:40 **YRF: L-Lactic acid production from cellulose and hemicellulose extract of Walnut Shell through microwave-assisted autohydrolysis followed by microbial fermentation**
Richard Ahorsu, University Rovira I Virgili, Spain

16:40-17:00	YRF: Tuning biomass pyrolysis for polymer precursors **John Ryan,** University of Nottingham, UK
17:00-17:20	YRF: Title:Understanding the potential of energy crops in heavy metals contaminated soils **Berta Cumbane,** DCTB/METRICS/FCTNOVA, Portugal

17:20-17:40 **YRF: Title: Development of a Novel Liquid-Inerted Microwave Pyrolysis System**
Benjamin Shepherd, University of Nottingham, UK

DAY-3

September 06, 2018

Meeting Hall: **Brussels**

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

Sessions: Bioalchol and Bioethanol | Biorefineries | Biodiesel

Chair: Julio Sacramento-Rivero, Universidad Autonoma de Yucatan, Mexico

10:05-10:25 **Title: Mechanochemistry for a smart and sustainable biodiesel production under heterogeneous catalysis**
Irene Malpartida Garcia, University of Malaga, Spain

10:25-10:45 **Title: Ex-ante and ex-post sustainability evaluation of a biorefinery: lessons learned from jatropha biodiesel in Yucatan, Mexico**
Julio Sacramento-Rivero, Universidad Autonoma de Yucatan, Mexico

10:45-11:05 **Title: Fundamental Investigations of Electrocatalyzed Transformations of Organic Compounds**
Sneha A. Akhade, Pacific Northwest National Laboratory,Washington, USA

Networking & Refreshment 11:05-11:25 @ Europa Foyer

11:25-11:45 **Title: The strategic use of sugarcane for second generation ethanol production: Cold alkaline extraction pre-treatment**
Danila Morais de Carvalho, Royal Institute of Technology, Sweden

11:45-12:05 **Title: Production of ethanol and longer chain alcohols by fermentation**
Johann Orlygsson, University of Akureyri, Iceland

12:05-12:25 **Title: U.S Biodiesel markets and trends, with a special focus on sustainability.**
Ryan Lamberg, University of California,USA

12:25-12:45 **YRF: Development of Biodiesel Production from Brown Grease**
Mirit Kolet, Ariel University, Israel

Lunch Break 12:45-13:30 @ La Place AB

Panel Discussion & Networking 13:30-14:00 @ Europa Foyer

Awards & Closing Ceremony: 14:00-14:30