EUBCE 2019

27TH EUROPEAN BIOMASS CONFERENCE & EXHIBITION

27 - 30 MAY CONFERENCE & EXHIBITION
31 MAY TECHNICAL TOURS

LISBON - PORTUGAL | LISBON CONGRESS CENTRE CCL

CONFERENCE PROGRAMME

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COORDINATION OF THE TECHNICAL PROGRAMME

European Commission
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EUBCE is part of EU Green Week 2019

ORGANISED BY

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ETA EVENTS

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The content of this programme represents the status as of 6th May 2019
Please note that this Programme may be subject to alteration and the organisers reserve the right to do so without giving prior notice.
The current version of the Programme is available at www.eubce.com

IEA B.4.3
CALIFORNIA RNG PRODUCTION FROM WOODY BIOMASS
Pedro ORTIZ-TORAL, Gas Technology Institute, Energy Conversion Dpt., USA
Co-authors: A. Kramer, D. LeFevers, S. Darujati, R. Stanis, D. LaMont, V. Bush, GTI, Chicago, Usa

IEA B.4.4
HYDROFACTION®- GREEN TRANSPORTATION FUELS FOR LONG HAUL TRANSPORT
Mikael CHRISTENSEN, Steeper Energy, DENMARK
Co-author: S. Iversen, P. Toms, Steeper Energy, Copenhagen, Denmark

IEA B.4.5
BIOCOAL PRODUCTION WITH CARBONFX TECHNOLOGY
Amin SARVARAMINI, Airex Energy, CANADA
Co-authors: G. Veilleux, S. Bertrand, Airex Energy, Becancour, Canada

EU projects seminar | 13:30 - 18:30 | Room 3A *See page 121*
FLEXIFUEL-SOFC PROJECT - NOVEL AND HIGHLY EFFICIENT MICRO-SCALE CHP SYSTEM BASED ON FUEL FLEXIBLE BIOMASS GASIFICATION CONNECTED TO A SOFC

15:00 - 15:15 **BREAK**

Oral session 3CO.9 | 15:15 - 16:45 | Auditorium II
CHEMICAL CONVERSION OF BIOMASS INTO VALUABLE COMPOUNDS

CHAIRPERSONS:
Tanja BARTH, University of Bergen, NORWAY
Giuliano DRAGONE, Technical University of Denmark, DENMARK

3CO.9.1
COMPARISON AND COMBINATION OF ENZYMATIC CHEMICAL AND HYDROTHERMAL LIGNIN DEPOLYMERISATION
Annika JAHN, Freiberg University of Mining and Technology, Institute of Chemical Technology, GERMANY
Co-authors: F. Kunde, A. Zurbel, M. Bertau, TU Freiberg, Germany

3CO.9.2
SCALING-UP NATIVE LIGNIN DEPOLYMERISATION FOR BIOBASED EPOXY RESIN PRODUCTION
Kirk TORR, Scion, Biotransformation Team, NEW ZEALAND
Co-authors: D. J. van de Pas, Scion, Rotorua, New Zealand; E. K. Feghali, Notre Dame University-Louaize, Zouk Mosbeh, Lebanon

3CO.9.3
SPECIALTY CHEMICALS FROM LIGNINS BY "ONE-POT MULTI-STEP" BIPHASIC DEPOLYMERIZATION (BPD)
Katarzyna ARTURI, Paul Scherrer Institut, Energy and Environment Dpt., SWITZERLAND
Co-authors: F Vogel, S Bjelic, Paul Scherrer Institute, Villigen, Switzerland

3CO.9.4
PACKAGING MATERIALS BASED ON POLYHYDROXYALKANOATES AND LIGNIN DERIVED FROM GRAPE POMACE
Adriana KOVALCIK, Brno University of Technology, Food Chemistry and Biotechnology Dpt., CZECH REPUBLIC
Co-authors: J. Mierna, P. Vostrejs, M. Kalina, P. Sedlacek, V. Enev, Brno University of Technology, Czech Republic; M. Omastova, Slovak Academy of Sciences, Bratislava, Slovak Republic; I. Marova, Brno Universit B, Czech Republic

3CO.9.5
FURFURAL ALDOLISATION BY ACETONE OVER MAGNESIUM HYDROXIDE FLUORIDES AS PROMISING BASIC CATALYSTS, TOWARDS THE VALORIZATION OF HEMICELLULOSE TO BIOFUELS
Jean-Marc CLACENS, CNRS, IC2MP Dpt., FRANCE
Co-authors: M. Xu, S. Célérier, F. Richard, IC2MP, Poitiers, France; M. Corbet, Solvay, Saint-Fons, France

Oral session 4CO.10 | 15:15 - 16:45 | Room 5A
SUSTAINABILITY AND SOCIO - ECONOMIC IMPACTS

CHAIRPERSONS:
Rocio DIAZ-CHAVEZ, Stockholm Environment Institute, Africa Centre, KENYA
Stefan MAJER, DBFZ-German Biomass Research Centre, GERMANY

4CO.10.1
SOCIO-CULTURAL REASONS AND COMMUNITY PERCEPTIONS REGARDING INDOOR COOKING USING BIOMASS FUEL AND TRADITIONAL STOVES IN RURAL ETHIOPIA: A QUALITATIVE STUDY
Mulugeta TAMIRE AWONO, Addis Ababa University, Preventive Medicine Dpt., ETHIOPIA
Co-authors: M. Tamire, A. Addissie, Addis Ababa University, Ethiopia; S. Skovbjerg, R. Andersson, M. Lärstad, University of Gothenburg, Sweden

4CO.10.2
CHARCOAL PRODUCTION AND USE IN THE HOUSEHOLDS IN SOUTHERN REGION OF BRAZIL
Monica ANATER, University of São Paolo, Institute of Energy and Environment - IEE, BRAZIL
Co-authors: S.T. Coelho, J. F ESCOBAR, Research Group on Bioenergy (GBio), Institute of Energy and Environment, University of São Paulo, Brazil

4CO.10.3
NEW TYPES OF SUSTAINABLE LAND OWNERSHIP
Alexa LUTZENBERGER, ALRENE, GERMANY
Co-authors: F. Lichter, S. Holzgreve, ALRENE, Siek, Germany

4CO.10.4
SOCIAL ACCEPTANCE OF BIOENERGY IN EUROPE
Marco SEGRETO, Consiglio Nazionale delle Ricerche, Istituto sull'Inquinamento Atmosferico, ITALY
Co-authors: M. Torre, P. Tratzi, L. Tomassetti, V. Paolini, D. Borin, F. Petracchini, National Research Council of Italy - Institute of Atmospheric Pollution Research, Monterotondo, Italy

4CO.10.5
SOCIO-ECONOMIC ASSESSMENT OF ALTERNATIVE OIL CROPS VALUE CHAINS IN EUROPE IN THE COSMOS PROJECT: THE CASE OF CAMELINA AND CRAMBE
Yara EVANS, Imperial College London, Centre for Environmental Policy, UNITED KINGDOM
Co-author: R. Diaz Chavez, Imperial College London, United Kingdom

Oral session 3CO.11 | 15:15 - 16:45 | Room 5B
HYDROTHERMAL PROCESSES AND PRODUCTS

CHAIRPERSONS:
Frédéric VOGEL, PSI - Paul Scherrer Institut, SWITZERLAND
Nikolaos BOUKIS, Karlsruhe Institute of Technology, GERMANY

3CO.11.1
HYDROTHERMAL VALORISATION OF HTL PROCESS WATER: SALT SEPARATION AND SELECTIVE GASIFICATION TTO SYNTHETIC NATURAL GAS
David BAUDOUIN, PSI - Paul Scherrer Institut, Bioenergy and Catalysis Dpt., SWITZERLAND
Co-authors: M. Szostak, S. Bjelic, F. Vogel, PSI, Villigen PSI, Switzerland; E. Ovsyannikova, G. Becker, Hohenheim University, Stuttgart, Germany

3CO.11.2
CONTINUOUS PRODUCTION OF PHOSPHORUS FROM PALM OIL MILL EFFLUENT (POME) BY SUPERCRITICAL WATER GASIFICATION
Rahmat Iman MAINIL, Hiroshima University, JAPAN
Co-author: Y. Matsumura, Hiroshima University, Higashi-Hiroshima, Japan

EUBCE 2019 LISBON - PORTUGAL 27 - 30 MAY 2019 LISBON CONGRESS CENTER - CCL
27TH EUROPEAN BIOMASS CONFERENCE & EXHIBITION

Programme

Wednesday, 29 May 2019 **Production and application of biobased chemicals**
Room: AUDITORIUM II
15:15 - 16:45
Session code: 3CO.9 **Chemical conversion of biomass into valuable compounds**

Chairpersons:
Tanja BARTH, University of Bergen, Chemistry Dpt., NORWAY
Giuliano DRAGONE, Technical University of Denmark, Novo Nordisk Foundation Center for Biosustainability, DENMARK

Short introductive summary:

Packaging Materials Based on Polyhydroxyalkanoates and Lignin Derived from Grape Pomace

Polyhydroxyalkanoates are biodegradable thermoplastic polymers produced by microorganisms with a large applicability. This work suggests the utilization of grape pomace, which is the waste product of the winery industry, as a cheap source of fermentable sugars from grape skins and polyphenolic compounds from grape seeds. It will be shown that various bacteria, producing PHA can grow on sugars derived from grape skins. Next, methods for the isolation of low molecular weight phenolics as well as lignin from grape seeds and bunches will be presented. The hypothesis that neutral isolated lignins without other impurities (e.g. sulfur) and with a narrow polydispersity can be used as active filler for polyhydroxyalkanoates to prepare foils for packaging purpose has been proofed. In conclusions, the stabilizing and reinforcing activities of lignins have been proofed. This work was funded through the project SoMoPro (No. 6SA18032). This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Sk?odowska-Curie, and it is co-financed by the South Moravian Region under grant agreement No. 665860.

Presenter: **Adriana KOVALCIK, Brno University of Technology, Food Chemistry and Biotechnology Dpt., CZECH REPUBLIC**

Presenter's biography:
Adriana Kovalcik (previous name Gregorova) completed her habilitation in Macromolecular Chemistry and Technology at the Graz University of Technology in 2015. In 2017 she has moved to Brno University of Technology as an Invited Researcher due to the receiving of the award Marie Sklodowska-Curie Fellow.

Biographies and Short introductive summaries are supplied directly by presenters and are published here unedited

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M. Omastova, Slovak Academy of Sciences, Bratislava, SLOVAK REPUBLIC
I. Marova, Brno Universit B, Brno, CZECH REPUBLIC

Session reference: 3CO.9.4

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EUBCE 2019
27TH EUROPEAN BIOMASS CONFERENCE & EXHIBITION

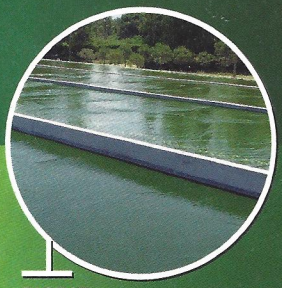
INDUSTRY SESSIONS
Tuesday, 28 May - IBO.12
Wednesday, 29 May - ICO.12
Room 5C

MICROALGAE INDUSTRIAL PRODUCTION

CONTRACT RESEARCH AND DEVELOPMENT

EXPERTS ON MICROALGAE

ALGAFARM
SECIL / ALLMICROALGAE



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