

## List of Posters

### 3<sup>rd</sup> Biomass for Swiss Energy Future Conference

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Campussaal, Fachhochschule Nordwestschweiz, Windisch

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Title	Author	Corresponding Author	Institution
The Mechanism of Catalytic Fast Pyrolysis of Lignin.	Custodis Victoria	victoria.custodis@chem.ethz.ch	ETHZ
Bio-oil upgrading by esterification; the case of guaiacol and octanoic acid over heterogeneous sulfonic acids.	Bahir Duraki	bahir.duraki@chem.ethz.ch	ETHZ
Controlling the selectivity to chemicals from lignin via catalytic fast pyrolysis.	Zhiqiang Ma	zhiqiang.ma@chem.ethz.ch	ETHZ
Nanocellulose for CO <sub>2</sub> capture and beyond.	Houssine Sehaqui	Houssine.Sehaqui@empa.ch	Empa
Evaluation of different gasoline alternatives.	Gschwend Dominic	dominic.gschwend@psi.ch	PSI
Efficient nutrients recovery from waste resources and biofuel production processes using algal biomass.	Bagnoud Mariluz	mariluz.bagnoud@heig-vd.ch	HEIG-VD
Two-phase ANaerobic digestion for Aqueous Industrial waStes.	Principi Pamela	pamela.principi@supsi.ch	SUPSI
Char-up & Decarbonize! The potential multi-role of biochar - reducing climate change and increasing resilience of soils.	Schmid Martin	martin.schmid@oekozentrum.ch	Oeko-zentrum
Micro GT- Externally-Fired, Hot Air Turbine.	Griffin Timothy	timothy.griffin@fhnw.ch	FHNW
Reliable and Robust Wood-Dust Burner for Asphalt Dryers.	Griffin Timothy	timothy.griffin@fhnw.ch	FHNW
Hydrogen enhanced hydrothermal gasification of wet biomass.	Müller Sebastian	Sebastian.Mueller@psi.ch	PSI
Methanogenesis - A microbial alternative to catalytic methanation.	Krautwald Judith	kraa@zhaw.ch	ZHAW
TANAIS - Two-phase ANaerobic digestion for Aqueous Industrial waStes.	Principi Pamela et al.	roger.koenig@supsi.ch	SUPSI

Title	Author	Corresponding Author	Institution
Ru/C Catalyst For Hydrothermal Liquefaction Of Wood Residues Under Variable Conditions	Kristhan Raphael	raphael.kristahn@fhnw.ch	FHNW
Carbon-based Solid Acid Catalysts for Hydrolysis of Model Compounds for Lignocellulose.	Scholz David	David.Scholz@psi.ch	PSI
Fungal biofilms as cellulolytic enzyme producers for consolidated bioconversion of biomass.	Xiros Charilaos	charilaos.xiros@bfh.ch	BFH
Development of a Two-stage Steam Explosion Pretreatment Process for Beech Wood.	Balan Robert	robert.balan@bfh.ch	BFH
Biomass potentials for energetic use. Assessment of Swiss biomass resources, while distinguishing between different potentials .	Burg Vanessa Erni Matthias Lemm Roberto Bowman Gillianne Thees Oliver	vanessa.burg@wsl.ch	WSL
Tailored zeolites for biomass valorization to aromatics and platform chemicals via catalytic pyrolysis.	Puertolas Lacambra Begoña	begona.puertolas@chem.ethz.ch	ETHZ
Biogas cleaning for catalytic processes using adsorbents: A short review of concepts and materials.	Calbry-Muzyka Adelaide	Adelaide.Muzyka@psi.ch	PSI
Formaldehyde-based stabilization facilitates liquid fuel production from lignin during biomass depolymerization.	Talebi Amiri Masoud Li Shuai Questell-Santiago Ydna M. Héroguel Florent Li Yanding Kim Hoon Meilan Richard Chapple Clint Ralph John Luterbacher Jeremy S.	masoud.talebiamiri@epfl.ch	EPFL
Scanning mobility sizer inductively coupled plasma mass spectrometer (SMPS-ICPMS): Analytical tool for size and chemical characterization of thermal treatment processing.	Tarik Mohammed	mohamed.tarik@psi.ch	PSI
Photovoltaic Assisted Algae Production for Sustainable Solar Energy Conversion to Biomass.	Damergi Eya Peng Qin Ludwig Christian	eya.damergi@epfl.ch	EPFL