COST ACTION GREENERING – DATA COLLECTION

First name, Family Name: Ivana Lukić
Type (Academic or Industrial): Academic
Country: Serbia
Leadership position in the COST: MC Substitute on CA18224
Working Group in which you are involved: WG3
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Laboratory/Company: Department of Organic Chemical Technology, Faculty of Technology and Metallurgy, University of Belgrade, Serbia

Laboratory/Company info:

Link to the home page of the Laboratory/Company:
http://www.tmf.bg.ac.rs/en/departments/department-of-organic-chemical-technology

Fields of expertise:

- heterogeneous catalysts for biodiesel production from renewable resources and waste feedstock
- process kinetics and mathematical modelling
- supercritical fluids extractions from plant material
- impregnation of solids using supercritical fluids to produce added value materials.

5 Main publications or patents:

- I. Lukić, J. Krstić, D. Jovanović, D. Skala, Alumina/silica supported K_2CO_3 as a catalyst for biodiesel synthesis from sunflower oil, Bioresource Technology 100 (20) (2009) 4690–4696
- Hui Liu, Ivana Lukić, Marija R. Miladinović, Vlada B. Veljković, Miodrag Zdujić, Xiaosun Zhu, Yanan Zhang, Dejan U. Skala, Continuous biodiesel production under subcritical condition of methanol – Design of pilot plant and packed bed reactor with $MnCO_3$/Na-silicate catalyst, Energy Conversion and Management 168 (2018) 494–504
- Svetolik Maksimovic, Zeljka Kesic, Ivana Lukic, Stoja Milovanovic, Mihailo Ristic, Dejan Skala, Supercritical fluid extraction of curry flowers, sage leaves, and their mixture, The Journal of Supercritical Fluids 84 (2013) 1–12
- Ivana Lukić, Željka Kesić, Svetolik Maksimović, Miodrag Zdujić, Hui Liu, Jugoslav Krstić, Dejan Skala, Kinetics of sunflower and used vegetable oil methanolysis catalyzed by CaO·ZnO, Fuel 113 (2013) 367–378
- Ivana Lukić, Željka Kesić, Miodrag Zdujić, Dejan Skala, Calcium diglyceroxide synthesized by mechanochemical treatment, its characterization and application as catalyst for fatty acid methyl esters production, Fuel 165 (2016) 159–165

Collaborations:


Greenering
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EUROPEAN COOPERATION
IN SCIENCE & TECHNOLOGY

Facilities: