

Bažantova konference doktorandů 2021

23. června 2021
platform Zoom

Program konference

9:00 Zahájení konference

9:05 Ing. Jakub Crha: Three Dimensional CFD Model of a Single Rising Bubble in Stagnant Liquids

9:20 Ing. Dominik Regner: Multiphase Flow of Taylor Bubbles in Rectangular Microchannels

9:35 Ing. Jiří Štěrbá: Application of Hydrodynamic Cavitation in Brewing

9:50 Susmita Dolai, MSc.: Solvent Assisted 2D Mesoporous g-C₃N₄ Modification for Catalytic Application

10:05 Přestávka

10:15 Ing. Antonín Edr: Modular Synthesis of Dendritic Amphiphiles

10:30 Ing. Martin Kurfírt: Fluorinated Oligosaccharides as Probes for Studying Carbohydrate-Galectin Interactions

10:45 Ing. Vojtěch Hamala: Synthesis and Cytotoxicity of Fluorinated Amino Saccharides

11:00 Ing. Anežka Komárková: Supercritical Impregnation of Natural Extracts in Polymer

11:15 Ing. Ondřej Pleskač: Selective Enzymatic Hydrolysis of Triglycerides in Supercritical Carbon Dioxide in Continuous-Flow Packed-Bed Reactor

11:30 Přestávka

12:00 Nirmal Parmar, MSc.: Ionanofluids Prepared from a Series of Ionic Liquids: Preparation, Heat Capacity Measurement and Advanced Data Analysis by Mathematical Gnostics

12:15 Ing. Lenka Michálková: NMR Metabolomics in Toxicology: Effect of NPs Inhalation on Blood Plasma and Exhaled Breath Condensate Profiles

12:30 Ing. Karolina Salvadori: Electrochemical Investigation of Ureido-Sulfonamidic Receptors, Supramolecular Structures for Binding Phosphates

12:45 Mgr. Radek Lhotka: Ambient Organic Aerosol Origin at Rural Background Site in the Czech Republic

13:00 Ing. Lenka Suchánková: The Influence of Air Humidity on the Optical Properties of Aerosol Particles

13:15 Přestávka

13:30 Ing. Matěj Hušek: New Perspectives for Sewage Sludge Treatment

13:45 Ekaterina Korotenko, MSc.: Optimization of Acid Extraction and Recovery of Metals from Municipal Solid Waste Incineration Fly Ash

14:00 Ing. Tomáš Ružovič: Efficiency of Mercury Vapour Removal from Model Gases by Means of Sulfur Impregnated Sorbents

14:15 Ing. Anastasia Shtukaturova: Material Flow Analysis of Textile Waste: A Case Study of the Czech Republic

14:30 Ing. Vít Šrámek: High Temperature Removing of Halogenated Compounds from Pyrolysis of Waste Plastic Polymers

14:45 Přestávka

15:00 Ing. Simona Lucáková: Electrocoagulation of Microalga *Chlorella vulgaris* in Laboratory and Bench Scale

15:15 Ing. Markéta Spáčilová: Removal of Contaminants from Water

15:45 Ing. Jan Čížek: Separation of Racemic *D,L*-Tryptophan Using Chiral Membranes

16:00 Mahdi Bourassi, MSc.: Catalytic Wet Air Oxidation of Antibiotics over Supported Platinum on Different Supports Fractions Based CeO₂ and ZrO₂

16:15 Závěr konference

17:00 Vyhlášení vítězů konference