

Bažant Graduate Conference 2025

17.6.2025

09:00 Conference opening

09:10 Mgr. Natálie Jaklová (4th year)

Optimization of Continuous Synthesis of Trazodone

09:25 MSc. Julaha Kajal (4th year)

Vertical Distribution and Precipitation Scavenging of Aerosols in a Rural Atmosphere: Insights from Winter 2019 to Spring 2020

09:40 Ing. Aleš Krčil (3rd year)

Fluorinated Methyl B-lactosides and Their Multivalent Presentation

09:55 Ing. Antonín Šperlich (3rd year)

Quantifying Separation Quality of LARCODEMS: From Reference Plastic Mixtures to WEEE Streams

10:10 Ing. Mark Terentyak (3rd year)

Effect of Liquid Composition on Hydrodynamics in Bubble Column with Different Gas Distributors

10:25 coffee break

10:45 Ing. Anna Paříková (3rd year)

Effect of Particle Size on Monodisperse Granular Mixing Process by Using Discrete Element Method

11:00 Mgr. Anna Kokavcová (2nd year)

Effect of Young's Modulus on Mixing Dynamics and Heat Transport in Granular Materials

11:15 Ing. Dominik Schimon (2nd year)

Visible-light Degradation of Tetracycline Using Porous G-c3n4 Coatings

11:30 Ing. Jan Moravčík (1st year)

Catalysts of Heteroatom Elimination in the Refining of Hydrocarbon Feeds

11:45 Lunch

13:00 Ing. Vladislav Shirokov (1st year)

DBSCAN Application for Bubble Tracking in Aerated Columns

13:15 Ing. František Vondráček (1st year)

The Effect of Friction Coefficient on the Process of Segregation in a Vertical Bladed Mixer

13:30 Ing. Zdena Rudolfová (1st year)

Enantiomeric Separation via Chiral Membranes and the Effect of a Magnetic Field

13:45 MSc. Matyáš Jedlička (1st year)

Cultivation Conditions Optimization for *Galdieria sulphuraria* Biomass and Phycocyanin Production Maximization

14:00 coffee break

14:20 Ing. Eliška Mizerová (1st year)

Phosphorus-derived Phenanthrenes: Synthesis and Properties

14:35 MSc. Charlie Andan (1st year)

Cloud Droplet Formation: The Crucial Role of Cloud Condensation Nuclei

14:50 MSc. Alexander Joy Panjikkaran (1st year)

Tracing Airborne Pollutants: Investigating Metals in Atmospheric Aerosols

15:05 MSc. Joseph Durat (1st year)

Ice Nucleation Particles in the Central European Atmosphere

15:20 Conference closing

16:00 Conference winners' announcement