

ANNOUNCEMENT OF THE ON-LINE SEMINAR

ANAEROBIC DIGESTION OF BIOMASS AND BIOWASTE

November 26, 2021 Ostrava

INVITATION

Dear colleagues,

It is our great pleasure to invite you to attend the seminar of “*Anaerobic digestion of biomass and biowaste*” to be held on-line on November 26th, 2021 broadcasting from Ostrava, Czech Republic. The seminar is supported by the Ministry of Education Youth and Sport via the research project of „Support of Cross-Sectoral Cooperation in the Field of Pollutant Reduction in the Environment and Waste Utilization” (CZ. 02/01/01 / 0.0 / 0.0 / 17_049 / 0008419), segment Research Program 2 (RP2) - Energy use of biowaste.

SEMINAR PROGRAMME

- 8:50 - 9:00 Participants' connection
- 9:00 - 9:10 Introduction
Ing. et Ing. Kateřina Chamrádová, Ph.D. (VSB-TUO)
- 9:10 - 9:30 Purification of raw biogas by supported ionic liquids and water swollen membranes
Ing. Pavel Izák, Ph.D., DSc. (VSB-TUO, ICPF CAS CZ)
- 9:30 - 9:50 Separation of raw biogas using membranes based on polymers of intrinsic microporosity
Ing. Petr Stanovský, Ph.D. (VSB-TUO, ICPF CAS CZ)
- 9:50 - 10:10 Spiral wound membrane filter covered with water condensate as methane separator from raw biogas
Ing. Jiří Rusín, Ph.D. (VSB-TUO)
- 10:10 - 10:30 Biogas Energy Recovery Unit
Ing. Tomáš Výtisk, Ph.D. (VSB-TUO)
- 10:30 - 10:50 Decomposition testing of compostable bags in anaerobic slurry of a waste-type biogas plant
Ing. Markéta Bouchalová, Ph.D. (VSB-TUO)
- 10:50 - 11:10 Anaerobic digestion of insect biomass and wastes from insect breeding
Ing. Petra Wojnarová (VSB-TUO)
- 11:10 - 11:30 Fungal strains for improving methane generation in anaerobic digestion
Ing. et Ing. Kateřina Chamrádová, Ph.D. (VSB-TUO)
- 11:30 - 11:40 Break



- 11:40 - 12:00 Biochar materials for the enhancement of anaerobic digestion efficiency
Dr. Panagiotis Basinas (VSB-TUO)
- 12:00 - 12:20 Control of the anaerobic digestion process using dissolved hydrogen
Ing. Daniela Platošová (VSB-TUO)
- 12:20 - 12:40 Overview on agricultural and industrial implementation of biogas technology
Ing. Luděk Kamarád, Ph.D (BOKU Wien, IFA Tulln, Institute for Environmental Biotechnology)
- 12:40 - 13:00 Open access to LRI ENREGAT
Ing. Barbora Grycová, Ph.D (VSB-TUO)
- 13:00 – 13:20 Closing discussion and remarks

