

## OPTIMO WORKSHOP

### Expert meeting program

29th June 2022

**Venue:** C5/107, University Campus Bohunice, Brno, Czech Republic

**Online:** MS Teams

#### Link

<https://teams.microsoft.com/l/channel/19%3aVqZfGus5U4pBmLgXENtZgYtFa1hynsiTLq98nVcymtM1%40thread.tacv2/Obecn%25C3%25A9?groupId=5565b770-59f7-4691-946c-8d8248cb8a61&tenantId=11904f23-f0db-4cdc-96f7-390bd55fcee8>

#### 13:00–13:05

**Opening speech:** Martin Mandl (Department of Biochemistry, Masaryk University, Brno, Czechia)

#### 13:05–13:15

**Name and Affiliation:** Marianne Haberbauer (K1-MET GmbH, Linz, Austria)

**Title:** OPTIMO – Optimization of biogenic sulfuric acid production for (bio)leaching processes in the waste sector

#### 13:15–13:30

**Name and Affiliation:** Tetyana Milojevic (Department of Biophysical Chemistry, University of Vienna, Vienna, Austria)

**Title:** Thermoacidophilic bioleaching of industrial metallic steel waste product

#### 13:30–13:45

**Name and Affiliation:** Lenka Hagarová (Institute of Geotechnics, Slovak Academy of Science, Košice, Slovakia)

**Title:** Biotechnologies in metal extraction, AMD attenuation, and remediation of contaminated groundwater

#### 13:45–14:00

**Name and Affiliation:** Dalibor Všianský (Department of Geological Sciences, Masaryk University, Brno, Czechia)

**Title:** X-ray diffraction as a tool for phase analysis of secondary materials

#### 14:00–14:15

**Name and Affiliation:** Sabine Spieß (K1-MET GmbH, Linz, Austria)

**Title:** Studying the influences of poly(neutral red), chitosan and isopropanol modified electrodes in a fully biocatalyzed microbial electrolysis cell (MEC)

**14:15–14:30**

**Name and Affiliation:** Aleksander Jandric (Institute of Waste Management, Department of Water-Atmosphere-Environment, University of Natural Resources and Life Sciences BOKU, Vienna, Austria)

**Title:** Recycling of printed circuit boards - current status, bottlenecks, and trends

**14:30–14:45**

**Name and Affiliation:** Klemens Kremser, (Institute of Environmental Biotechnology, Department of Agrobiotechnology, University of Natural Resources and Life Sciences BOKU, Tulln, Austria)

**Title:** Bioleaching/enzyme-based recycling of aluminum and polyethylene from beverage cartons packaging waste

**14:45–15:00**

**Name and Affiliation:** Martin Mandl (Department of Biochemistry, Masaryk University, Brno, Czechia)

**Title:** Limitation of metabolic activity of *Acidithiobacillus ferrooxidans* by  $S^0$ ,  $CO_2$ , and  $O_2$

**15:00–15:15**

**Name and Affiliation:** Jiří Kučera (Department of Biochemistry, Masaryk University, Brno, Czechia)

**Title:** Metagenomic analysis of microbial community associated with acid mining lake Hromnice, Czech Republic

**15:15-15:20**

**Closing speech:** Martin Mandl (Department of Biochemistry, Masaryk University, Brno, Czechia)

**15:20-16:00**

**Coffee break and discussion**