

3rd IP Klausur TapNature

Report of Contributions

Contribution ID: 8

Type: **not specified**

Introduction to the Platform Project

Monday 18 November 2024 09:00 (5 minutes)

Presenters: KORTH, Benjamin; STRÄUBER, Heike

Session Classification: Presentations of Platform Project EBB - ElectroBiorefineries and Biosynthesis

Contribution ID: 9

Type: **not specified**

High-value bioproduction with halophilic electrobiosynthesis

Monday 18 November 2024 09:05 (13 minutes)

Presenter: KAS, Aykut

Session Classification: Presentations of Platform Project EBB - ElectroBiorefineries and Biosynthesis

Contribution ID: 10

Type: **not specified**

Towards the Development of Structured, Mixed-Species Phototrophic Biofilms for Biocatalytic Applications

Monday 18 November 2024 09:18 (13 minutes)

Presenter: HANISCH, Selina

Session Classification: Presentations of Platform Project EBB - ElectroBiorefineries and Biosynthesis

Contribution ID: **11**

Type: **not specified**

Upcycling of plastics

Monday 18 November 2024 09:31 (13 minutes)

Presenter: HEIPIEPER, Hermann-Josef

Session Classification: Presentations of Platform Project EBB - ElectroBiorefineries and Biosynthesis

Contribution ID: **12**

Type: **not specified**

Guided Tour: DBFZ

Monday 18 November 2024 15:30 (1 hour)

Session Classification: Science Forum and Lab Tours

Contribution ID: 13

Type: **not specified**

Introduction to the PP CityTech

Monday 18 November 2024 11:45 (5 minutes)

Session Classification: Presentations of Platform Project CityTech - Technologies for Water and Heat Management in Urban Space

Contribution ID: 14

Type: **not specified**

Pysewer: An open-source tool for generating sewer networks in data-scarce regions

Monday 18 November 2024 11:50 (13 minutes)

Presenter: DESPOT, Daneish

Session Classification: Presentations of Platform Project CityTech - Technologies for Water and Heat Management in Urban Space

Contribution ID: 15

Type: **not specified**

Microbial Transformation in Redox - Differentiated Marsh Plant Roofs

Monday 18 November 2024 12:03 (13 minutes)

Presenter: DERADO, Sarya

Session Classification: Presentations of Platform Project CityTech - Technologies for Water and Heat Management in Urban Space

Contribution ID: 16

Type: **not specified**

Mineralization of ^{13}C -labeled microbial biomass by thermophilic microorganisms from aquifer sediments

Monday 18 November 2024 12:16 (13 minutes)

Presenter: LI, Shuting

Session Classification: Presentations of Platform Project CityTech - Technologies for Water and Heat Management in Urban Space

Contribution ID: 17

Type: **not specified**

MYSUN: microbial photosynthesis for sustainable biosyntheses

Monday 18 November 2024 09:45 (10 minutes)

Presenters: LAI, Bin; KLÄHN, Stephan

Session Classification: Presentations of Platform Project MYSUN - Microbial Photosynthesis for Sustainable Biosyntheses

Contribution ID: **18**

Type: **not specified**

Physical removal of photosynthetically produced oxygen in 3D cryo-printed microfluidic chips

Monday 18 November 2024 09:55 (15 minutes)

Presenter: GOLZE, Corinna

Session Classification: Presentations of Platform Project MYSUN - Microbial Photosynthesis for Sustainable Biosyntheses

Contribution ID: 19

Type: **not specified**

Prospective life cycle assessment of early-stage bio-based technologies –Case study of decentralized hydrogen production

Monday 18 November 2024 10:10 (20 minutes)

Presenter: BEZAMA, Alberto

Session Classification: Presentations of Platform Project MYSUN - Microbial Photosynthesis
for Sustainable Biosyntheses

Contribution ID: 20

Type: **not specified**

Guided Tour: Single Cell Analytic Platform of SOMA

Monday 18 November 2024 14:30 (30 minutes)

Session Classification: Science Forum and Lab Tours

Contribution ID: 21

Type: **not specified**

Guided Tour: KONATES (pilot plant for groundwater cleaning and heat storage)

Monday 18 November 2024 14:30 (30 minutes)

Session Classification: Science Forum and Lab Tours

Contribution ID: 22

Type: **not specified**

Guided Tour: CLEANER (installations for the cleaning of grey water)

Monday 18 November 2024 15:00 (30 minutes)

Session Classification: Science Forum and Lab Tours

Contribution ID: 23

Type: **not specified**

Guided Tour: ProVis (Saxon Centre for Chemical Microscopy)

Monday 18 November 2024 15:30 (1 hour)

30 min introduction + 30 min tour

Session Classification: Science Forum and Lab Tours

Contribution ID: 24

Type: **not specified**

Guided Tour: Metabolic Analytic Platform of MIBITECH

Monday 18 November 2024 15:00 (30 minutes)

Session Classification: Science Forum and Lab Tours

Contribution ID: 25

Type: **not specified**

Workshop: Design your dream experiment

Monday 18 November 2024 14:30 (1 hour)

Session Classification: Science Forum and Lab Tours

Contribution ID: 26

Type: **not specified**

Introduction

Monday 18 November 2024 11:00 (5 minutes)

Presenter: MILTNER, Anja

Session Classification: Presentations of Platform Project FACE - Fate and Management of Chemicals in Ecosystems

Contribution ID: 27

Type: **not specified**

Climate change-induced accumulation of Cd in spinach leaves can be mitigated by organic amendments.

Monday 18 November 2024 11:05 (10 minutes)

Presenter: MUEHE, Marie

Session Classification: Presentations of Platform Project FACE - Fate and Management of Chemicals in Ecosystems

Contribution ID: 28

Type: **not specified**

Microbiome solutions: an issue for ecology.

Monday 18 November 2024 11:15 (10 minutes)

Presenter: JURBURG, Stephanie

Session Classification: Presentations of Platform Project FACE - Fate and Management of Chemicals in Ecosystems

Contribution ID: 29

Type: **not specified**

Microbes in action: fungal and bacterial degradation of synthetic polymers and their additives.

Monday 18 November 2024 11:25 (10 minutes)

Presenters: BERTOLDI, Simone; CLAUSS, Stefanie

Session Classification: Presentations of Platform Project FACE - Fate and Management of Chemicals in Ecosystems

Contribution ID: **30**

Type: **not specified**

Poster pitches for afternoon session

Monday 18 November 2024 11:35 (10 minutes)

Session Classification: Presentations of Platform Project FACE - Fate and Management of Chemicals in Ecosystems