

Session 3: Carbon-Based Materials

Convener tba

Ryota KOE - Properties of multilayer paperboard prepared from plant fiber

Bruno BÜHLER - BIOWIN: AI-supported biotechnology for resource-efficient active compound and bio-nylon production

Tomonori SONOKI - Glucose-free platform chemical production by the engineered catabolic pathway of *Pseudomonas* sp. NGC7

Darja DEOBALD - Methyl transferases as a key enzyme activity in sustainable biotechnology

Eiji MASAI - The catabolic system of lignin-derived aromatic compounds in *Sphingobium lignivorans* SYK-6 and its application to lignin valorization

Micjel Chávez MOREJÓN, Falk HARNISCH, et al. - Tapping new feedstocks for biological synthesis using electrochemical hydrogenations: production of adipic acid from lignin-derived phenols