UNIST Department of Urban and Environmental Engineering

Environmental Science and Engineering Colloquium

Status of the microbial CO_2 electrobiorefinery and related challenging issues

◎ 2022. 03. 22.(Tue), 16:00~17:15

◎ Online (ZOOM ID: 859 6068 6249)

Speaker

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Abstract

- Electrobiorefinery may be a viable tool for conversion of CO2 into valuable chemicals with the surplus renewable electricity.
- Microbial electrosynthesis (MES) is a potentially sustainable bioelectrochemical process for transforming renewable electrical energy into easily storable chemicals.
- The status of MES technology for CO2 conversion and challenging issues it faces are discussed in this lecture.

※ The seminar will be conducted in Korean

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