

**Process Technologies and Systems Design for Green Chemistry**

**Sep. 8th, 2023**

**Room F**

Chaired by Hideyuki Aoki (Tohoku Univ.), Takeru Goto(Akita Univ.), Yasuhiro Fukushima(Tohoku Univ.)  
and Naomi Kitakawa (Tohoku Univ.)

**Sep. 8th (Fri.)**

**10:00 – 10:40 Chaired by Naomi Kitakawa (Tohoku University)**

08F1 Dwini Normayulisa Putri, Muhamad Sahlan, ◦Heri Hermansyah  
(Faculty of Engineering, University of Indonesia, Indonesia)  
“Modification of the Pretreatment and Synthesis Process for Succinic Acid  
Production from Lignocellulosic Biomass”

**10:40 – 11:20 Chaired by Naomi Kitakawa (Tohoku University)**

08F2 Sunghak Choi, Yeonghwan Son, Hoon Eui Jeong, ◦Ho-Sup Jung ★GP-Chem  
(Seoul National University / UNIST / Nbiocell, Korea)  
“Design of Nanocarrier for Improving Transdermal Delivery of Non-water-soluble  
Compounds”

**11:20 – 12:00 Chaired by Yasunao Fukushima (Tohoku University)**

08F3 ◦Tsai-Wei Wu (Tohoku University, Japan)  
“GHG Emission Evaluation and Process Intensification for Different Routes of  
Diphenyl Carbonate Production”

★…Graduate Program in Integrated Chemistry, Tohoku University