

- October 11, 2019, 15:30–17:02 (Room 321)
Chair: Won-Kun Park (Sangmyung University)

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15:30-15:50



Preparation and Characterization of Water Soluble Polyphenol from Bitter Melon (*Momordica charantia*) Using Steviol Glucosides
Thi Thanh Hanh NGUYEN¹, Juho LIM², Youjin YUNG², Byeongsu PARK², Seonmin LEE², Doman KIM^{1,2}

¹The Institute of Food Industrialization, Institutes of Green Bio Science & Technology, Seoul National University, Pyeongchang, Korea, ²Graduate School of International Agricultural Technology, Seoul National University, Pyeongchang, Korea

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15:50-16:02

Whole Cell Biotransformation of 1-dodecanol into α,ω -dodecanediol Using Cytochrome P450 Monooxygenases in *Escherichia coli*

HyunA PARK, Kwon-Young CHOI

Department of Environmental Engineering, Ajou University, Suwon, Korea

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16:02-16:14

Novel Calcite-forming Bacteria for Mitigation of Coastal Soil Erosion

Chang Hyeon SHIN, Sungbin CHO, Yujin SHIN, Jae-Seong SO

Department of Biological Engineering, Inha University, Incheon, Korea

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16:14-16:26

Characterization and Antioxidant Activities of Natural Pigment Produced by *Chryseobacterium nepalense* Strain and *Deinococcus wulumqiensis* Strain

SeoA PARK, Kwon-Young CHOI

Department of Environmental Engineering, Ajou University, Suwon, Korea

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16:26-16:38

Synthesis and Biological Characterization of Low-Calorie Cascara Syrup

Seonmin LEE, Thi Thanh Hanh NGUYEN, Byeongsu PARK, Juho LIM, Doman KIM

Department of International Agricultural Technology, Seoul National University, Pyeongchang, Korea

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16:38-16:50

Biological Conversion of Methanol to Organic Acids Using *A. niger* Strain

Ji Eun LEE, Jong Hyun YOON, Eun Ji KIM, Shin Sik CHOI

Department of Food and Nutrition, Myongji University, Yongin, Korea

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16:50-17:02

Simulation Study of Three-zone Simulated Moving Bed Chromatography Using ModiCon Strategy

Seoin HWANG, Jea-Ryong SONG, Yoon-Mo KOO

Department of Biological Engineering, Inha University, Incheon, Korea