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## alysis (COMMA): ferent Microbial

B047

Metagenomic Description of Lignocellulose-degrading Potentials in Soil near the Antarctic King Sejong Station Using Single Molecules Real-Time Sequencing

Han Na Oh<sup>1</sup>, Jae Wan Park<sup>1</sup>, Dockyu Kim<sup>2</sup>, and Woo Jun Sul<sup>1</sup>\*

Department of Systems Biotechnology, Chung-Ang University, <sup>2</sup> Division of Life Sciences, Korea Polar Research Institute

#### B048

Comparative Analysis of Skin Microbiome between Young and Old Women

Jin Ju Kim, Hye-Jin Kim, and Woo Jun Sul\*

Department of Systems Biotechnology, Chung-Ang University

#### B049

Distinct Soil Bacterial Distribution in Four Different Farming Management Soils

Jeong Myeong Kim, Shin Ae Lee, Jae-Hyung Ahn, Jaekyeong Song, and Hang-Yeon Weon\*

National Academy of Agricultural Science, Rural Development Administration (RDA)

## B050

Microbial Community Structure and Composition in Rhizosphere and Endosphere of Tomato Plants Cultivated in Greenhouses

Shin Ae Lee<sup>1</sup>, Jeong Myeong Kim<sup>1</sup>, Jae-Ho Joa<sup>2</sup>, Jaekyeong Song<sup>1</sup>, and Hang-Yeon Weon<sup>1</sup>\*

<sup>1</sup>National Institute of Agricultural Sciences, <sup>2</sup>National Institute of Horticultural & Herbal Science

### B051

Characterization of Spatial Distribution of the Bacterial Community in the South Sea of Korea

Ji-Hui Seo<sup>1</sup>, Ilnam Kang<sup>1</sup>, Seung-Jo Yang<sup>2</sup>, and Jang-Cheon Cho<sup>1</sup>\*

<sup>1</sup>Department of Biological Sciences, Inha University, <sup>2</sup>ChunLab, Inc., Seoul National University

#### B052

Bacterial Community Structure of Surface Snow in Antarctica

Ahnna Cho<sup>1,2</sup>, Yong-Joon Cho<sup>1</sup>, Jong Ik Lee<sup>1</sup>, and Ok-Sun Kim<sup>1</sup>\*

<sup>1</sup>Karea Polar Research Institute, <sup>2</sup>Kangwon National University

#### B053

Isolation of a BTEX-degrading Bacterium, *Rhodococcus* sp. B23, from a Freshwater and Optimization of Biodegradation Conditions

Hyun Mi Jin, Hye Kyeong Kim, So-Jeong Kim, Byung Gon Ryu, Young Su Kim, and Sang Chul Jeong\*

Nakdonggang National Institute of Biological Resources

#### B054

Metagenomic Analysis of Relationships between Carbon and Nitrogen Metabolisms during Tannery Wastewater Treatment Undergoing a Microbial Bioaugmentation

Woo-Jun Sul<sup>1</sup>, Chaeyoung Rhee<sup>2</sup>, HoonJe Seoung<sup>1</sup>, S. Aalfin Emmanuel<sup>2</sup>, and Sung-Cheol Koh<sup>2</sup>\*

<sup>1</sup>Chung-Ang University, Systems Biotechnology, <sup>3</sup>Korea Maritime and Ocean University, Environmental Engineering

# B055

To Study the Effect of Change in NaCl Concentrations on Virulence of *Streptococcus parauberis* 

Durga Ray<sup>1</sup>, Seongyong Yoon<sup>2</sup>, Yunjeong Choe<sup>2</sup>, Yeon Ha Kim<sup>2</sup>, Moonjung Jeon<sup>2</sup>, and Ho Young Kang<sup>1</sup>\*

<sup>1</sup>Department of Microbiology, Pusan National University, <sup>1</sup>Department of Integrated Biological Science, Pusan National University

## B056

Exploring the Influence of Environmental Factors on Rock-associated Bacterial Communities in Northern Victoria Land, Antarctica

Jun Ho Cho<sup>1,2</sup>, Jaejin Lee<sup>2</sup>, Ahnna Cho<sup>2</sup>, and Ok-Sun Kim<sup>2</sup>\*

<sup>1</sup>Systems Biotechnology, Chungang University, <sup>2</sup>Unit of Antarctic K-route Expedition, Korea Polar Research Institute

## B057

Control of Soil Community Structure with Oxygen and Organic Substrates

Jae Ho Han<sup>1,2</sup>, Hye Yoon Na<sup>1,2</sup>, and Kae Kyoung Kwon<sup>1,2</sup>\*

<sup>1</sup>Marine Biotechnology Center, KIOST, <sup>2</sup>Major of Marine Biotechnology, UST

## B058 9th ASME

Bacterial Community in Enrichment Culture of Cut Grass Residue Where Simultaneously Occurred both Cellulose Degradation and Nitrogen Fixation

Tomohiro Kawauchi<sup>15</sup>, Makoto Ikenaga<sup>2</sup>, and Masao Sakai<sup>2</sup>\*

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