

ASME session 1 "Ocean & Geomicrobiology"

Date and time : July 11th (Wed) 13 : 00 ~ 15 : 20

Room : B1

Conveners:

Sung-Geun Rhee, Chungbuk National University

Yin-Ru Chiang, Academia Sinica

Yuki Morono, JAMSTEC

Invited speakers:

A1-1 **Distinctive microbial assemblages and their ecological function in permanently ice-covered lakes of the Dry Valleys, Antarctica**
13:00-

○Ok-Seun Kim

Division of Polar Life Sciences, Korea Polar Research Institute, Incheon 406-840, Republic of Korea

A1-2 **Evolutionary genetic traits for thermal adaptation in *Bacillales***
13:23-

Jae-Yoon Sung¹⁾, Min-Kyu Park²⁾, Kyoung Su Kim¹⁾, Yong-Jik Lee²⁾, Jiyeon Kim²⁾, Sang-Jae Lee³⁾, Han-Seung Lee³⁾, ○Dong-woo Lee

1) Department of Biotechnology, Yonsei University, Seoul 03722, Republic of Korea.

2) School of Applied Biosciences, Kyungpook National University, Daegu 41566, Republic of Korea. 3) Major in Food Biotechnology, Silla University, Busan 46958, Republic of Korea.

A1-3 **Steep redox gradient and biogeochemical processes driven by deeply-rooted fluids in a terrestrial mud volcano**
13:46-

○Li-Hung Lin¹⁾, Yueh-Ting Lin¹⁾, Tzu-Hsuan Tu^{1), 2)}, Chih-Lin Wei²⁾, Douglas Rumble³⁾, Pei-Ling Wang²⁾

1) Department of Geosciences, National Taiwan University 2) Institute of Oceanography, National Taiwan University 3) Geophysical Laboratory

A1-4 **H₂ accumulation by Ni limitation in *Cyanothece***
14:09-

○Sing-how Tuo¹⁾, Irene B. Rodriguez¹⁾, Wan-Yen Cheng¹⁾, Tung-Yuan Ho^{1), 2)}

1) Research Center for Environmental Changes, Academia Sinica, Taiwan 2) Institute of Oceanography, National Taiwan University, Taiwan

A1-5 **A primordial and reversible TCA cycle in a facultatively chemolithoautotrophic thermophile**
14:32-

○Takuro Nunoura

R&D Center for Marine Biosciences, JAMSTEC

A1-6 **Deep microbial ecosystems within Cretaceous igneous rocks**
14:55-

○Yohey Suzuki

Department of Earth and Planetary Science, Graduate School of Science, The University of Tokyo