

Wednesday, April 26, 2017  
POSTER SESSION IV:  
SOLAR SYSTEM SITES: EARTH IN TIME/DEEP BIOSPHERE:  
EARTH'S DEEP BIOSPHERE AND THE ASTROBIOSPHERE  
8:00 p.m. Main Hall

Altair T. de Avellar M. G. B. Rodrigues F. Galante D.

[Radioactive Decay Energy Conversion for Biological use in Subsurface Environments on Icy Moons and the Early Earth](#) [#3045]

We focus on an alternative energy conversion in deep environments on Europa, one of the most important targets of astrobiology studies, and on the early Earth.

Callefo F. Ricardi-Branco F. Galante D. Maldanis L. Rodrigues F. Hartmann G. A.  
Yokoyama E. Fernandes M. A.

[Evaluation of Biogenicity in Rocks Related to Brazilian Paleozoic Glacial Events](#) [#3367]

The biogenicity of rocks were tested by detecting biogenic magnetite which may have been produced by magnetotactic or dissimilatory iron-reducing bacteria.