

## Geomicrobiological approaches toward subsurface biosphere

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Recently, subsurface and subseafloor biosphere have been recognized as a largest biomass on the earth. However, microbial diversity and relationship between microbes and paleoenvironments have been poorly demonstrated. Here we report several geomicrobiological and multidisciplinary approaches toward subsurface and subseafloor environments and discuss about the geomicrobiological records of the history on the earth.