Mc-P007

Room: Lounge

Time: June 28 12:30-14:00

Iron minerals (schwertmannite, goethite, iron-hyfroxides) as the Biomineralization products

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Iron oxides as the biomineralization products : schwertmannite, goethite,

iron-hyfroxides were mineralogizally ezxamined. Nishikinuma, Hokkaido

is now growing iron ore and gives good field to study biomineralization of

iron oxides minerals. Among various types of microbes, coccus may play

the most important role to form the goethite bio-ore. Furthermore, thin

film-like membranes on the water surfaces were clarified to be either

schwertmannite at Nishikinuma, Gunma Iron Ore and Goshikinuma, or iron hydroxide s at Akatani, Ishikawa etc.