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HCG34-P03

Room:Convention Hall

Time:May 19 18:15-19:30

The function of high tempreture tolerance in cyanobacteria, Nostoc sp. HK-01

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The function of dried colony of a cyanobacteria, Nostoc sp.HK-01, with high temperature tolerance was investigated. Cyanobacteria, phototropic bacteria, have several high contribution on the closed bio-eco-engineering. The cells in the colony was viable under the environment of 100 oC during 10 hours. It was suggested that the function of high temperature tolerance was related to sugar polymer containing many components.

Keywords: cyanobacteria, high tempreture tolerance, Nostoc sp.