

The relationships between the stabilities of individual akinete cell germination and their pre-exposed severe environments in *Nostoc* sp. HK-01

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We have reported that dried cells of a terrestrial cyanobacterium, *Nostoc* sp. HK-01, have a high tolerance to cosmic environments. The tolerance to severe environments is inordinately high to detect damaged parts of cells. We are now trying to detect damaged parts of cells using several original methods. In this study, we will show the relationships between the stabilities of the rate of germination of individual akinete cells before and after exposure to severe environments.

Keywords: terrestrial cyanobacteria, akinete, germination rate