

Utilization of the terrestrial cyanobacterial sheet

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The terrestrial nitrogen-fixing cyanobacterium, *Nostoc commune*, is living ranging from polar to desert. *N. commune* makes visible colonies composed extracellular polymeric substances. *N. commune* has expected to utilize for agriculture, food and terraforming cause of its extracellular polysaccharide, desiccation tolerance and nitrogen fixation. To exhibit the potential abilities, the *N. commune* sheet is made to use convenient and evaluated by plant growth and radioactive accumulation. We will discuss utilization of terrestrial cyanobacteria under closed environment.

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