

## Selected organisms for systems of life-support in closed bio-ecosystem, and the chemical circulation

TOMITA-YOKOTANI, Kaori<sup>1\*</sup>

<sup>1</sup>University of Tsukuba

Living organisms on the earth have been evolved since its origin a long time ago. They equip several important functions affecting each other. Knowledge on those functions and interaction of the ecology is essential for secure design of a closed-ecosystem with limited number of living species under the harsh environments, such as space and deep sea or desert. The important elements related to the closed bio-ecosystem have to be discussed among the researchers, having each specialized field. Here, we will discuss the detail of species of several selected organisms for the closed bio-ecosystems and its chemical circulation.

Keywords: chemical circulation, closed bio-ecosystems