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## Systems of life in closed-ecology

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Living creatures 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. Organic substances can produce the ground on the surface of our earth. The mechanisms of soil production are very important matter in all the cases of bio-ecosystems. After the production of many species of creatures, the interactive functions among their organisms have important mechanisms during the evolution. It thinks that the establishment of the ecosystem to have been equipped with the higher feature in providing the place of the advanced specialized field research information about each biological system and its functions detailed feature when the human being tried artificial ecosystem becomes possible. In this time, as the first step, I will discuss about several research field, soils, microorganisms, plants, mammal, human and several creatures interactions.

Keywords: biological systemes, closed-ecology, biological function