

Utilization of functional woody plant line, Japanese cherry tree, in closed bio-ecosystem on the biological activity.

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Trees have high contribution under the severe closed bio-ecosystems. Trees produce excess oxygen, woody materials for the living cabin, and provide a biomass by cultivating crops and other species of organisms. Our dwelling would be built using these materials in the closed-bio-ecosystems. It is possible that we use them as some herbal medicine or foods from the products of tree. In the study for life-support related to closed-ecosystem, it is one of important matter that the detail data in the given environment is examined. Here, we show the results of one of our studies using Japanese cherry tree as material tree. We will discuss the changes of the function in the materials from the tree.