

Endophytic Fungi Isolated from leaves of various plants in 4 Islands in KOREA

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'Endophytic fungi' are the common name for fungi that live in plants and do not damage host plants. And they also do not transform appearance of hosts. They are known to encourage growth of plants and protect plants from herbivore. Studies needed to be conducted about endophytic fungi isolated from lots of plants, because endophytic fungi are essential for plant's life.

In this study, we isolated endophytic fungal strains from leaves of various plants in 4 Islands(Shinan, Ullengdo, Baengyeongdo, Hansando). The isolated strains were identified based on morphological characteristics and molecular analysis of ITS rDNA regions. As a result, we confirmed 135 fungal species from 57 genera from leaves. These results showed differences between endophytic fungi isolated from each island.