

MYCORRHIZA

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- Mycorrhiza is a mutually beneficial associations between the root of a higher plant and a fungus that colonizes the plant root.
- Vitadini was the first to recognise the possible beneficial role of fungal mycelia which mantle the root of higher plants, and this association is named as mycorrhiza .

TYPES OF MYCORRHIZA

1. Ectomycorrhiza
2. Endomycorrhiza
3. ectenodomycorrhiza

ECTOMYCORRHIZA

- Ectomycorrhiza tend to form mutual symbiotic relationships with woody plants, including birch, beech, willow, pine , oak, spruce, and fir.
- Ectomycorrhizal relationship are characterized by an intercellular surface knows as the harting net.
- The fungi involved in this mycorrhizal association are from the Ascomyota and basidiomyota families.

ENDOMYCORRHIZA

- On the other hand, endomycorrhiza are found in over 80 % of extant plant species including crops and greenhouse plants

Types of endomycorrhiza

1. Arbuscular mycorrhizae
2. Ericaceous mycorrhiza
3. Arbutoid mycorrhiza
4. Monotropoid endomycorrhizas
5. Orchidaceous mycorrhiza
6. Gentianoid mycorrhiza

ECTENDOMYCORRHIZA

- Ectendomycorrhiza is a purely descriptive name for mycorrhizal roots that exhibit characteristics of both ectendomycorrhizas and endomycorrhizas