

Turkish Journal of Botany


Turkish Journal

of

Botany

Studies on the Rhizosphere Mycoflora of Mangroves

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 [Keywords](#)
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Abstract: Rhizosphere soil of mangrove plants (*Avicennia marina*, *Rhizophora mucronata*, *Aegiceras corniculatum*, and *Ceriops tagal*) was collected from coastal areas. Almost all samples showed a sandy to sandy loam texture. pH of the soil samples ranged from 7 to 10 and water content ranged from 8% to 9%. In all, 18 species of fungi belonging to 11 genera were isolated from the rhizosphere soil of all the mangrove species by direct plating method, whereas 20 fungal species belonging to 11 genera were isolated by serial dilution. Results showed that the greatest number of fungi was isolated by serial dilution. The maximum number of species was obtained from the rhizosphere soil of *A. marina*, whereas the lowest number of fungi was obtained from the rhizosphere soil of *A. corniculatum*.

Key Words: Rhizosphere soil, mycoflora, mangrove plants, coastal areas



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Turk. J. Bot., **32**, (2008), 97-101.

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