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Isolation and Identification of Mycoflora in Mangroves Ecosystem in Mumbai Region

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Abstract: *Covering a quarter of the world's tropical coastlines and being one of the most threatened ecosystems, mangroves are among the major sources of terrestrial organic matter to oceans and harbor a wide microbial diversity. In order to protect, restore, and better understand these ecosystems, researchers have extensively studied their microbiology, yet few surveys havefocused on their fungal communities. Our study indicates the presence of several species on this mycobiome that were not previously reported as mangrove-associated. In particular, we detected representatives of several commercially-used fungi, producers of secreted cellulases and anaerobic producers of cellulosomes. These results represent additional insights into the fungal community of the gray mangroves of the, and show that they are significantly richer than previously reported.*

Keywords: Aeromycoflora, Aeromicroflora, Bio allergens, Microbial study, etc