Influence of Soil Environment and Surface Vegetation on Soil Micro Flora in a Coastal Sandy Belt of Orissa, India

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ABSTRACT A total of 141 species belonging 64 genera of fungi were isolated from coastal sandy belt of Orissa. The most dominant genera were *Aspergillus*, *Penicillium*, *Trichoderma* and *Fusarium spp.* Higher fungal and bacterial population was encountered in soil B than in soil A. Surface layer possessed higher fungal population, more soil nutrients and less moisture. Fungal population was positively correlated with total organic carbon, moisture content and total soil respiration but negatively correlated with soil temperature. Bacteria studied were maximum in June-July and minimum in January-February.