

Ecological and Quantitative Analysis of Blue Green Algae from Paddy Fields of Patan and Karad Tehsil, Satara District, Maharashtra

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Abstract: Paddy fields are best studied aquatic ecosystems on earth. Blue green algae are the important components of paddy field soils expressively contribute to its fertilization. Present investigation was carried out to study the Ecological and quantitative analysis of blue green algae and correlate them with diversity of blue green algal flora in paddy field soils of Patan and Karad tehsil. Ecological and quantitative analysis of BGA showed that there is bit difference found in Simpsons diversity index (H) and Shannon's diversity index (SDI) as well as species richness and evenness from both tehsil. This showed that blue green algal flora from paddy field soils of both tehsil is considerably correlated (0.776).

Keywords: Ecological, Patan, Karad, Paddy, BGA.

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