

Study on Aquatic Macrophytes Diversity of Popatkhed Dam Near Akot Tahsil, District Akola (MS), India

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Abstract: The Popatkhed Dam is principal fresh water body located in Popatkhed village of Akot Tahsil in Akola District of Maharashtra State. Akot is a tahsil place and it is 45 km north side away from Akola. In present investigation Popatkhed Dam is 15 km north side away from Akot tahsil and it is about 778M above from sealevel and is at 77o 5'3.89" E longitude and 21o 12' 15.17" N latitude and depth of water is 42.6 M (140 feet). The gross storage capacity of water is 10,709 km³ (2,569 cu. mi), the water of this dam is primary used for washing, bathing, fishing activities, agricultural and other domestic purpose but now it is at a traditional state with respect to degradation. The Macrophytes were studied from Jan 2023 to Dec 2023 during this period total 21 species of Macrophytes were found in sample of water three sites A, B and C. In the present study total 21 Macrophytes species of 5 different types were recorded in Popatkhed Dam..

Keywords: Macrophytes diversity, Popatkhed Dam, Akot, Maharashtra

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