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Studies on the Physico Chemical Params of Ule Tank Solapur (M.S.) India

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4

Research Paper - Zoology

ABSTRACT

Water is life, essential for all living organisms Ule Tank located near the Solapur city. The water of this tank mainly used for irrigation & drinking purpose. The work was carried out during the year 2019 The physico - chemical parameter like water temp turbidity, D.O, free co₂ PH, TD-S, Alkynity and hardness were studied. key words physico-chemical parameters, ule- tank

Introduction :

The first life was originated in water the occurrence of a organisms influenced by water and the characteristics of water are charging due to pollution, surface run off human influence etc. go it is beloming imp. periodically analyzing the water. The worker like com Ganpati (1940) kulhre stha et al. (1992). Thomaz and Aziz (2000) sakhare V.B T P K joshi (2003)

MATERIALS AND METHODS :

The water samples were collected month imperils with the help of 5 lit plastic can the sample were collected during morning hours. The samples brought to laboratory and analyzed within 2 hours analysis of the sample was made by using standard little rather go to rather given by Appha(1985) kodarkar - (2006) shastri as et (2001)

**RESULTS AND DISCUSSION :**

The result of sample analysis is given table no -

Sr. No	Parameter	Range
1	Water Temp	21 to 31
2	Turbidity	9 to 25
3	D.O	4.2 to 6.2
4	Free CO ₂	0.7 to 1.3
5	PH	6.7 - 7.3
6	T.D.S	41 to 130
7	Total alkalinity	75 to 150 mg/ltr

- 1) Water Temp : This parameter measured on the spot by thermometer. It varies from 21 to 31 °C
- 2) Turbidity exhibited positive correlation with water temp whereas exhibited negative correlation with pH. It varies from 9 to 25
- 3) D.O - It ranged between 4.2 to 6.2. It exhibited positive correlation with pH.
- 4) Free CO₂ : It varies from 0.7 to 1.3
- 5) PH - It ranged between 6.7 to 7.3. It exhibited positive correlation with pH.
- 6) T.D.S - Total dissolved solids ranged from 41 to 130. It exhibited positive correlation with pH.
- 7) Alkalinity : It ranged between 75 to 150 mg/lit. It exhibited positive correlation with water temp, turbidity and free CO₂



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