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RESEARCH ARTICLE.....

## Soil and water quality parameters of Brackish water shrimp farms of Ratnagiri, Maharashtra

MUDASSIR AZHAR, ASHISH S. MOHITE AND RAHUL SADAWARTE

**ABSTRACT.....** Study was carried out on the soil and water quality parameters of operational Brackish Water Shrimp Farms of Ratnagiri district, Maharashtra. The soil quality parameters like Texture, pH, Water holding capacity, Seepage rate and Bulk density whereas the water quality parameters are temperature, pH, DO and Suspended Solid, Alkalinity, Hardness, Ammonia, carbon dioxide and Salinity. The soil pH ranged from 7.3 to 7.6. The bulk density was 1.164 g/cm<sup>3</sup> to 1.462 g/cm<sup>3</sup>. Water temperature ranged from 28<sup>o</sup>C to 30<sup>o</sup>C. The level of the Water pH ranged from 7.4 to 8.0, whereas the salinity of water ranged from 15 to 35 ppt.

**KEY WORDS.....** Shrimp farm, Soil quality, Water quality

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