

**Assessment of Seasonal Variation in Physico-chemical Characteristics and  
Quality of Pravara River Water for Irrigation Use in Sangamner, Dist  
Ahmednagar, Maharashtra.**

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In present investigation an attempt was made for assessment of Seasonal Variation in Physico-chemical Characteristics and Quality of Pravara River Water for Irrigation use in Sangamner, Dist Ahmednagar, Maharashtra during 2008. The study reveals that most of the physicochemical parameters of river water at five selected sites show wide variation in their concentration for all seasons. However site 3 and 4 stands evidence of discharge of waste water from the city in the river. This intern indicated the quality of water for irrigation in the study area. The quality of water was confirmed by good index of Sodium absorption ratio and Residual sodium carbonate. The study also highlighted the site 3 and 4 where the values of Kellys index and Soluble sodium percentage exceeds their standards in monsoon and post monsoon season showing doubtful quality of water for irrigation.

Key words-Assessment, Variation, Water quality, Irrigation.