



**Short Communication**

**Determination of Hydrogen ion Concentration in the Pavagada taluk of Tumkur district**

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**ABSTRACT**

*To understand the quality of water, determination of total hydrogen ion concentration content present in 16 public bore wells in the Pavagada taluk of Tumkur district, Karnataka State, India have been carried out for their suitable usage during the two years 2009-11. The results clearly indicates that the minimum hydrogen ion concentration value is 6.86 at Byadanur during Post monsoon between 2009-10 and the maximum value is 7.43 at Nagalamadike during Post monsoon season between 2009-10 were observed. These values were well within the range of permissible limits (6.5 to 9.2) as per the WHO and ICMR specification and hence suitable for human consumptions.*

**Keywords:** Borewell water, physico-chemical parameters, hydrogen ion concentration.

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