

To Check the Toxicity of Plaster of Paris on Natural Water's Microflora during Ganesh Chaturthi

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Abstract: *Ganpanti idol immersion each year during ganesh chaturthi is adding the load of pollution to the natural water bodies and the microflora of these water bodies too. Non biodegradable material and synthetic paint used in making these idols are causing serious threat to the microflora because of there chemical contents that may resist the growth of the bacteria. Present study was conducted to observe the effect of these idol made up of POP on water's natural microflora. For this the water sample was collected after the immersion of ganpati idols. The water was taken from Sanjay Gandhi National Park (SGNP). The water had a great amount of calcium. There was a change in pH of water, hardness was seen in water taken after the immersion. Hydrological changes were observed in water due to ganpati idols immersion during and after the visarjan.*

Keywords: Ganpati idols, Plaster of Paris, zone of inhibition