

## Immobilization of *Trichoderma Viride* Isolated from Semi-arid Tropical Soils of Prasanthinilayam, Puttaparthi Mandal, A.P. and its Cellulase Activity

**ABSTRACT :** *Trichoderma viride* was isolated from Prasanthinilayam soils then it was grown in shake flask culture and also in baby fermenter then the *T. viride* mycelium was obtained. Then the mycelium was immobilized using sodium alginate.

The immobilized beads of *Trichoderma viride* was tested for its cellulase activity. Benedict's test was carried for reducing sugar<sup>1</sup>. The immobilized beads of *Trichoderma* produced cellulase enzyme and acted upon the Whatman no.1 filter paper suspension there by releasing the reducing sugars. This is only a qualitative test for detecting the glucose released from the filter paper because of the cellulase enzyme activity from the immobilized beads of *Trichoderma*.