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Effect of Different Carbon Sources on the Enhancing of Glucosidase using *Bacillus* sp. RL1

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Abstract : A glucosidase producing bacteria was isolated from soil and identified as new strain *Bacillus* sp. RL1. The influence of different carbon sources (Pine apple, corn steam, corn cob, wheat bran and CMC) were evaluated as carbon sources at different concentrations for production glucosidase by these bacteria. Pine apple gave the highly yield followed by Corn steam and Corn cob. CMC gave the lowest enzyme activity. Maximum enzyme production was achieved by 2.5% (w/v) carbon source with agitation speed 200 rpm..

Keywords: *Bacillus* sp. RL1, glucosidase, Carbon Sources. Enzyme assay.

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