

RESEARCH NOTE

Isolation of β -glucosidase from different parts of maize (*Zea mays*) and its specific activity estimation

SANTOSH KUMAR, O.P. VERMA AND AMIT ALEXANDER CHARAN

Department of Molecular and Cellular Engineering, Jacob School of Biotechnology and Bioengineering, Sam Higginbottom Institute of Agriculture, Technology and Sciences, ALLAHABAD (U.P.) INDIA
Email : om.verma@gmail.com

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β -glucosidase is a remarkable enzyme in the field of enzyme technology. Firstly, it helps in producing ethanol from the plant waste and subsequently helps to cope up the oil crisis as well as in alcohol based industries. Secondly, it improves the taste and aroma of wine, tea and fruits. In the present study β -glucosidase was isolated from different plant parts of maize (*Zea mays*) and specific activity was estimated. The maximum crude enzyme was found in coleoptile (2.86ml) and maximum specific activity was estimated in thumb leaf (lower most leaf) as 43.446 whereas maximum protein was found in second leaf blade (9.241 mg/ml).

Key words : Maize, β -glucosidase, Specific activity, Protein

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