

Production of protease using agricultural waste

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Agriculture is the prominent occupation in india. Agro industrial residues are of special economic interest for countries in the production of enzymes, amino acids, vitamins etc. Enzymes are among the most important products obtained for human need through microbial sources . Microbial enzymes present a wide spectrum of characteristics that make them utilizable for quite specific application.

Protease have received attention because of their potential use in food processing , pharmaceuticals,

cosmetics, detergents & leather industry etc. The production of protease by SSF using *Asperigillus* isolated from infected seeds and soils. A high carbohydrate content medium is utilized to stimulate protease activity and depress amylase production. Culture condition play significant role in growth and production of protease at optimum temperature 30°C, 150rpm, 5 PH, carbon and nitrogen source. Present investigation was carried out to look for new potential microbial source for protease.