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Enzymes from Actinomycetes – Review

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Abstract: Actinomycetes are a group of microorganisms that produce valuable secondary metabolites like antibiotics, vitamins, organic acids and enzymes. Antibiotics from actinomycetes of different habitats have been employed extensively in the pharmaceutical field. The enzymes produced by actinomycetes and applied in different industries are amylases, proteases, lipases, cellulases, xylanases, chitinases, gelatinases and keratinases. This review summarizes the application of both intracellular and extracellular enzymes of actinomycetes in different industries such as textile, biorefineries, food, pulp and paper, agriculture, detergent and pharmaceuticals.

Keywords: Actinomycetes, Enzymes, Chitinases, Amylases.

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