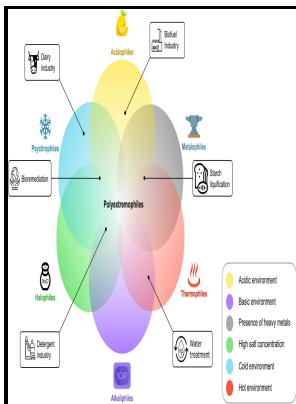


Biochemical studies on thermophilic enzymes.

University of Salford - Thermophilic and mesophilic enzymes from *B. caldotenax* and *B. stearothermophilus*: properties, relationships and formation



Description: -

-Biochemical studies on thermophilic enzymes.

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D26103/79 Biochemical studies on thermophilic enzymes.

Notes: PhD thesis, Chemistry.

This edition was published in 1978



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Thermophiles and thermophilic hydrolases

Characterization of moderately thermophilic bacteria isolated from saline hot spring in Japan. In fact, thermophilic enzymes are usually poor catalysts at room temperature and assays of their enzymatic activity should be conducted at a temperature close to that of optimum temperature growth of the organism from which the enzyme has been isolated. Drug Metabolism and Disposition 43, 1744—1750 2015.

Thermophiles and thermophilic hydrolases

PfuExo I was recently found in the hyperthermophilic archaeon, Pyrococcus furiosus.

Structural and Biochemical Studies of a Moderately Thermophilic Exonuclease I from *Methylocaldum szegediense*

MEGA6: Molecular Evolutionary Genetics Analysis Version 6. Ruth Moysey and Mihaela Misca are employees of Oxford Nanopore Technologies Ltd. Among the thermophilic enzymes, the thermophilic hydrolases involved in depolymerization of biopolymers, such as xylanases, proteases, cellulases, amylases, and lipases, are of special interest due to their applications in food, pharmaceutical, pulp and paper industries and environmental biotechnology.

Structural and Biochemical Studies of a Moderately Thermophilic Exonuclease I from *Methylocaldum szegediense*

Maximum enzyme production was obtained at the start of the stationary phase, 72 h after culture initiation, which suggests that enzyme production and bacterial growth correlate. Exo I samples 70 µM were equilibrated in different buffers by dialysis before DSC measurement. The liberated phenol was determined by Folin Ciocalteu reagent and the absorbance was measured at 750 nm.

Biochemical and structural studies of a L

Earlier studies had also, proved that marine Actinomycetes are exhibiting diverse patterns in secreting extracellular enzymes 5,54. However, in the absence of sodium chloride, the unfolding transition became less cooperative , indicating salts are essential for the stability of MszExo I.

Related Books

- [Survival: man and his environment](#)
- [Bai ma fei ma - Zhongguo ming bian si chao](#)
- [Bacterial plasmids](#)
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