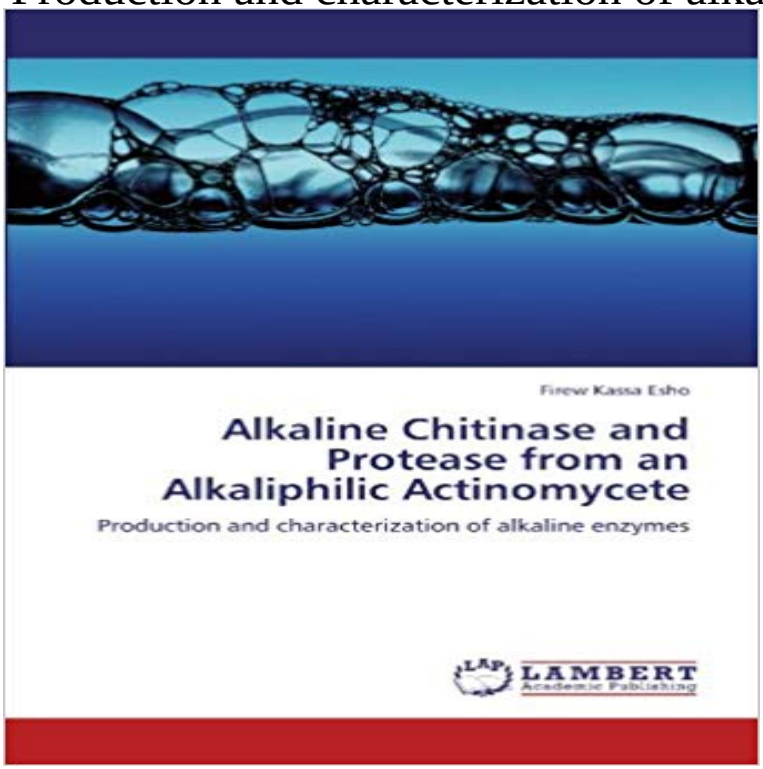
Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete: Production and characterization of alkaline enzymes



Ethiopian soda lakes are rich in alkaliphilic and chitinolytic actinomycetes with vast potential for industrial applications. Isolates from the soda lake grew in high pH value which can reduce the level of contamination during production process as only few organisms are capable of growing under alkaline conditions. Isolate A1 produced alkaline chitinase and protease optimally active and stable in alkaline pH ranges which can have wide industrial applications. Isolate A1 produced alkaline chitinase and protease using chitin as sole source of carbon and nitrogen which could have economic advantage for enzyme production since chitin is abundant and cheap industrial waste. Protease A1 is optimally active and stable in wide ranges of temperature without need of Ca2+ and has significant advantages for industrial application.

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Esho, Firew Kassa Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete Production and characterization of alkaline enzymes **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete by Firew Kassa for enzyme production since chitin is abundant and cheap industrial waste. **Characterization of Chitinase Genes from an Alkaliphilic** Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete: Production and characterization of alkaline enzymes: Firew Kassa Esho: 9783659185410: **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Ethiopian soda lakes are rich in alkaliphilic and chitinolytic actinomycetes with vast potential Production and characterization of alkaline enzymes Isolate A1 produced alkaline chitinase and protease using chitin as sole source of advantage for enzyme production since chitin is abundant and cheap industrial waste. **Thermophilic and alkaliphilic Actinobacteria: biology and potential** Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete. 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