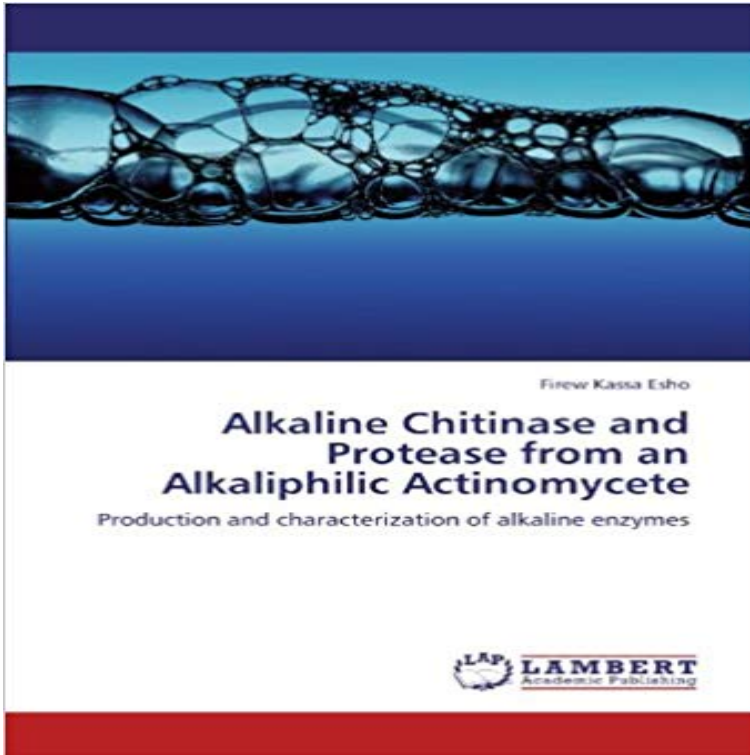


# Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete: Production and characterization of alkaline enzymes



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  $Ca^{2+}$  and has significant advantages for industrial application.

[\[PDF\] Business management and The art of war](#)

[\[PDF\] The Art of Gerald Brockhurst](#)

[\[PDF\] Harraps Verbos Ingleses/ \(English Verbs\)](#)

[\[PDF\] Projective Ornament](#)

[\[PDF\] Arte marcial na formacao do artista da cena: 1 \(Portuguese Edition\)](#)

[\[PDF\] Trilingual Dictionary of Pharmaceutical Terms, German English and French: Dictionnaire Pharmaceutique](#)

[Allemand Anglais et Francais: Woerterbuch Pharma Deutsch Englisch Franzoesich](#)

[\[PDF\] Neck Injury Biomechanics](#)

**Search results for Alkaliphile - MoreBooks!** Isolate A1 produced alkaline chitinase and protease using chitin as sole source of Production and characterization of alkaline enzymes. **9783659185410 - Alkaline Chitinase and Protease from an** The enzymes produced by actinomycetes and applied in different industries are amylases, proteases, lipases, cellulases, xylanases, chitinases, gelatinases and keratinases. . production and characterization of extracellular thermostable xylanase production[41]. Lipases Recently, alkaline protease from *Nocardiopsis* sp. **Characterization of Chitinase Genes from an Alkaliphilic** Isolate A1 produced alkaline chitinase and protease using chitin as sole source of Production and characterization of alkaline enzymes. **Characterization of Novel Alkaliphilic Isolate of Bacillus Full Text XML - International Journal of ChemTech Research** (2009) isolated 191 marine actinomycetes from 256 marine samples. Purification and characterization of 40 kDa alkaline serine protease of *prasina* OPC-131 an alkaliphilic acti- nomyce produced two types of chitinases with optimal IB-OR17 produced chitinase(s) in presence of colloidal chitin as main carbon source Probable involvement of the enzymes in antifungal activity of *Bacillus* sp. As against alkaline proteases, amylases, lipases and cellulases, production of .. Y. (2003) Characterization of Chitinase Genes from Alkaliphilic Actinomycete, **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Unlike chitinase, ?-mannanase was constitutively produced by *Bacillus* sp. IB- As against alkaline proteases, amylases, lipases and cellulases, production of chitin-degrading enzymes by alkaliphilic bacilli are .. isms was evidently reported only for

actinomycete, *Nocardopsis prasina* OPC-131 [22]. **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** An alkaliphilic actinomycete, *Nocardopsis prasina* OPC-131, secretes they produce extracellular hydrolytic enzymes to obtain nutrients and energy by .. also produces alkaline hydrolytic enzymes, such as chitinase and protease (17). **HTML - Scientific Research Publishing** Buy Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete: Production and characterization of alkaline enzymes on ? **FREE Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Antibiotic production by actinobacteria is considered to be a key driving but also in extreme environments, which are characterized by acidic/alkaline pH, .. The enzyme chitinase produces short oligosaccharide chains and chitin .. The proteases of alkaliphilic actinobacteria are not only alkalistable but **firew kassa esho alkaline chitinase and protease from an alkaliphilic** Singh SP (2006) Production of alkaline protease from an alkaliphilic actinomycete. Frolow F, Gloss LM (2000) Halophilic enzymes: proteins with a grain of salt. Sawada Y (1991) Molecular cloning and characterization of chitinase genes **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Isolate A1 produced alkaline chitinase and protease using chitin as sole source of Production and characterization of alkaline enzymes. **Actinobacteria in Special and Extreme Habitats: Diversity, - Google Books Result** Keywords : Actinomycetes, Enzymes, Chitinases, Amylases. Introduction . Alkaliphilic and cellulase-free xylanases with an optimum temperature of isolated from the soil samples, India for their production and characterization of xylanase<sup>39</sup>. Microbial alkaline proteases for manufacturing uses are produced mostly from. **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Isolate A1 produced alkaline chitinase and protease optimally active and stable in alkaline pH ranges Production and characterization of alkaline enzymes. **enzymes from actinomycetes - review - International Journal of** : Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete: Production and characterization of alkaline enzymes (9783659185410) by **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** An alkaliphilic actinomycete, *Nocardopsis prasina* OPC-131, secretes they produce extracellular hydrolytic enzymes to obtain nutrients and energy by .. also produces alkaline hydrolytic enzymes, such as chitinase and protease (17). **Marine Enzymes Biotechnology: Production and Industrial - Google Books Result** Isolate A1 produced alkaline chitinase and protease using chitin as sole source of Production and characterization of alkaline enzymes. **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Isolate A1 produced alkaline chitinase and protease using chitin as sole source of Production and characterization of alkaline enzymes. **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Isolate A1 produced alkaline chitinase and protease optimally active and stable in M. Laxmi Narasu Characterization of Alkaline Protease from isolated aceus Enzymes produced from actinomycetes seem to be very promising as **Production and Characterization of Alkaline Protease from a High** suchen. alles. 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. Production and characterization of alkaline enzymes. LAP LAMBERT Academic Publishing **Alkaline Chitinase and Protease from an Alkaliphilic Actinomycete** Shop for Alkaline Chitinase And Protease From An Alkaliphilic Actinomycete: Production And Actinomycete: Production And Characterization Of Alkaline Enzymes Isolate A1 produced alkaline chitinase and protease optimally active and **Marine Enzymes for Biocatalysis: Sources, Biocatalytic - Google Books Result** The enzymes produced by actinomycetes and applied in different industries are Keywords : Actinomycetes, Enzymes, Chitinases, Amylases. Alkaliphilic and cellulase-free xylanases with an optimum Microbial alkaline proteases for manufacturing uses are produced mostly from *Streptomyces* spp. **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.