

## Alkaliphiles Genetic Properties And Applications Of Enzymes

**alkaliphiles: some applications of their products for ...** - physiological, and genetic aspects of alkaliphiles are not discussed; instead, the review focuses on studies of extracellular alkaline enzymes. distribution and isolation of alkaliphiles alkaliphiles consist of two main physiological groups of microorganisms; alkaliphiles and haloalkaliphiles. alkaliphiles require an alkaline pH of 9 or more for their growth and have an optimal growth pH of ...

**extremophiles handbook - springer** - his research on alkaliphiles, on which he has worked for over 35 years, has been published more than 500 papers, and he is an ISI highly cited person. his works has paved

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**susumu ito alkaline cellulases from alkaliphilic bacillus ...** - of the alkaline enzymes from the alkaliphiles led us to the eventual incorporation of cellulase in detergents. according to the screening method of horikoshi, we isolated from soil samples many ...

**alkaliphiles in estuarine mangrove regions of goa ...** - indian journal of marine sciences vol. 33(2), june 2004, pp. 177-180 alkaliphiles in estuarine mangrove regions of goa, (central west coast of india)

**alkaliphilic micro-organisms and habitats** - alkaliphiles may be maintained in the laboratory using a number of methods. routine sub-culturing at weekly or/and monthly intervals has proven to be a simple method. for the maintenance of small collections, routine sub-culturing seems to be practical but it involves not only time-consuming, contamination risks and slow recovery of cultures as well as changing some phenotypic properties but ...

**phenetic diversity of alkaline protease producing bacteria ...** - majority of the alkaliphiles were identified as different species of the genus bacillus on the basis of morphological and biochemical characterizations. the study indicated that the isolated and traditional base identified thirty two

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**sustainable biorefining in wastewater by engineered ...** - using these genetic tools, and employing the unique properties of *B. marmarensis*, we have demonstrated the use of this strain for high-yield and high-titer production of ethanol within algal waste ...

**optimization of alpha-amylase production, immobilization ...** - 2microbial chemistry dept. genetic engineering and biotechnology division, national research centre, dokki, ... properties with respect to specificity, stability, temperature and pH dependencies [13]. on the other hand, alkaliphiles are a

group of extremophilic organisms that thrive at alkaline pH and many of their products, particularly enzymes, have found widespread applications in the ...

**the chimeric genome of sphaerochaeta: nonspiral ...** - further, only genomes of the same phylum that showed genetic relatedness among them, measured by the genome-aggregate average amino acid identity, or gaai (14), similar to that between

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**alkaliphilic organisms micr in biotechnology - springer** - intracellular enzymes from extremophiles do not have properties that fully correlate to the conditions at which the cells are capable of growing is seen, not only in alkaliphiles but also for acidophiles (baker-austin and dopson 2007 ) and to some

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