

Isolation Of Keratinolytic Bacteria From Feather Dumping

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Isolation Of Keratinolytic Bacteria From

Isolation and identification of keratinolytic bacteria ...

keratinolytic protease Exploration of new keratinolytic microbes are still required to obtain the potential keratinolytic isolate Keratinolytic microorganism which have been studied are fungi, bacteria as well as actinomycetes Bacillus is one which is the most frequently reported as the producers of ...

Isolation and Characterization of Keratinolytic Bacteria ...

Isolation of keratinolytic microorganisms: Nutrient agar and Hichrome bacillus agar were used for isolation of keratinolytic bacteria The same media were used for growth and maintainance of bacteria For rapid identification of Bacillus species Hichrome bacillus agar was used 10 Screening for keratinolytic bacteria: On Hichrome agar,

Isolation and Identification of Keratinolytic Bacteria ...

Isolation and Identification of Keratinolytic Bacteria that Exhibit Feather-degrading Potentials F O Iruolaje 1*, J Ogbeba 1, M Y Tula 2, J A Ijebor 1 and B A Dogo 3 1Department of Science Laboratory Technology, Federal Polytechnic Bauchi, PMB 0231, Bauchi State, Nigeria 2Department of Biological Science Technology, Federal

Isolation and Identification of a Keratinolytic Bacillus ...

Isolation of keratinolytic bacteria A bacterial collection, including bacteria isolated from mushroom farms [11] of Najm Biotech Company was screened for keratinolytic bacteria In primary screening, bacteria were cultured on skim milk agar medium (2% skim milk, and 2% agar at pH 7) and incubated at room

Isolation of keratinolytic bacteria from feather dumping ...

In this study we report the isolation of three mesophilic bacteria that produce Keratinolytic enzymes which can efficiently degrade chicken and pigeon feather within 120 hrs of incubation Earlier studies from our lab involving screening of micro-organism from same soil sample f o dumping site of Gazipur poultry processing plant, e w

Isolation and identification of keratin degrading ...

Isolation and identification of keratin degrading (keratinolytic) bacteria from poultry feather dumping sites Sunil Chhimpa, Chandra Shekhar Yadav, PJ John * Environmental Toxicology Laboratory, Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur, Rajasthan 302004, India Article published on June 11, 2016

Isolation, purification and characterization of keratinase ...

Isolation, purification and characterization of keratinase from Keratinolytic activity of the organism was detected during its growth in media containing feather which was completely degraded in six to eight days It is an inducible enzyme, as feather induces the production of the whether the bacteria can degrade feather under

Isolation, Identification and Characterization of ...

Isolation of Keratinolytic Streptomyces A total 14 caseinase producing isolates were screened and used in feather meal basal salt agar medium for feather degrading property it was found that the SH1 strain was shown feather degradation at 300C within 94 hrs The isolate SH1 strain belonging to genus

Isolation and characterization of keratinolytic bacteria ...

1792 Results Isolation of potential keratinolytic bacteria In this study, a targeted sampling approach was utilized in order to isolate microbial populations with keratinolytic potencial

Isolation, identification and characterization of feather ...

The present study deals with isolation, identification and characterization of feather degrading bacterium The keratinolytic bacteria were isolated from feather dumped soil The colonies showed higher keratinase production was identified as Bacillus sp, as per Bergey's manual method Keratinase producing Bacillus sp, ...

Isolation, identification and dehairing activity of ...

1 Isolation, identification and dehairing activity of Indonesian native keratinolytic bacteria Exiguobacterium sp DG1 Jajang Gumilar¹, Suharjono Triatmojo², Lies Mira Yusiati ², Ambar Pertiwinigrum ¹Faculty of Animal Husbandry, Padjadjaran University, Bandung, Indonesia ²Faculty of Animal Science, Gadjah Mada University, Yogyakarta, Indonesia

Isolation, Partial purification and Characterization of ...

Isolation, screening and identification of keratinase-producing bacteria: Soil sample was collected from different poultry dump yards in Bangalore and was screened for keratinase-producing bacteria as follows: 1 g of the soil sample was suspended in distilled water After soil sedimentation, 01

Screening and Isolation of Keratinase Producing Bacteria ...

This work has been undertaken for the Screening and isolation of Keratinase producing strains of Bacteria were carried out from Ten soil samples, collected from various regions of Bangalore and used to screen for Keratinase production by using feather powder agar plate assay In ...

Isolation, Identification, And Characterization Of A ...

the results of this study, degradation of keratin Gram-positive bacteria, including Bacillus, Streptomyces and a few strains of Gram-negative bacteria, (15,16) has been reported The isolation of keratinase producing strain of Bacillus amyloliquefaciens had been previously reported (17) In this study, Bacillus amyloliquefaciens

Isolation and characterization of feather degrading ...

Isolation and characterization of feather degrading bacteria from poultry waste Keywords: Feather, keratin, feather degrading bacterium, poultry waste, keratinase, keratinolytic activity ABSTRACT: The aim of this study was to characterize keratinolytic bacteria isolated from feather waste

Isolation and Characterization of Protease Producing ...

Isolation and Characterization of Protease Producing Bacteria from Rhizosphere Soil and Optimization of Protease Production Parameters Priyanka Patil, Shreya Sabale and Anushka Devale* Department of Microbiology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune 411005, India *Corresponding author ABSTRACT Introduction

Isolation, Identification and Characterization of a ...

Isolation and adaptation of feather-degrading microorganism: It was found that a previously enriched, feather-degrading culture contained microorganism exhibiting keratinolytic activity The isolate is a rod-shaped bacterium which appeared singly and in chains It displayed clearing zone when streaked onto the skim milk agar plates

Isolation and Screening of a Feather-Degrading ...

Isolation and Screening of a Feather-Degrading Keratinolytic Actinomycetes from Actinomyces sp TJayalakshmi 1, P Krishnamoorthy 1,, GRamesh kumar 2, PSivamani 3 1 Dept of Bioinformatics, Bharath University, Chennai,Tamilnadu - 600073, India 2 Dept of Bioinformatics, MIT Campus, Anna University, Chennai, Tamilnadu-600044, India

Isolation and characterization of feather degrading ...

Isolation and characterization of feather degrading bacteria from poultry soil * Femi-Ola, T O, Akinbobola, O S and Oluwaniyi, T T Department of Microbiology, Ekiti State University, P M B 5363, Ado-Ekiti, Nigeria ABSTRACT In this study, feather degrading bacteria and the ...

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number of poultry units and are convenient for isolation of feather degrading microbes The samples were collected from about 10-12 cm depth of the soil at poultry farms All the samples were collected in polythene bags and processed on the same day for the isolation of keratinolytic bacteria