

Isolation Of Lipase Producing Bacteria And Determination

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Isolation Of Lipase Producing Bacteria

Lipase producers have been isolated mainly from soil, or spoiled food material that contains vegetable oil. Lipase production from a variety of bacteria, fungi and actinomycetes has been reported in several works (Sztajer et al.,1988; Kulkarni and Gadre, 2002).

Isolation and Characterization of Lipase producing ...

Pure bacterial isolates were screened for lipase production by Bacterial colonies were streaked on Tributyrin agar Plate [7], Phenol red agar Plate[6] and Tween 80 agar Plate[3] and incubated at 37°C for 48 hours. Identification of lipase producing Bacteria. The Morphological and Colony characteristics were studied using Nutrient agar Plate.

Isolation, identification and production of lipase ...

Corpus ID: 31681301. Isolation of lipase producing bacteria and

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determination of their lipase activity from a vegetative oil contaminated soil @inproceedings{Biswas2016IsolationOL, title={Isolation of lipase producing bacteria and determination of their lipase activity from a vegetative oil contaminated soil}, author={Manali Biswas and Sumit Sahoo and S. Maiti and Sudipta Roy}, year={2016} }

[PDF] Isolation of lipase producing bacteria and ...

solation of lipolytic bacteria The isolation was primely processed by serial dilutionsof tributyrin agarmedium. The composition of tributyrin agar medium is (per liter) 5 g of peptone, 3 g of yeast extract, 10 ml of tributyrin and 15 g of agar. The pH of the medium was adjusted to 7 with 0.1M NaOH.

Isolation and Identification of Lipase-producing Bacteria

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Lipases are produced by microorganisms such as bacteria and fungi. However, we have focused on bacterial microbial lipases were economically importance of several properties. The present studies of the goals of this paper were isolation and identification of lipase producing bacteria from Oil contaminated soil. Screening and isolation of...

ISOLATION, IDENTIFICATION AND PRODUCTION OF LIPASE

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Tributyrin agar, selective media for isolation of lipase producing bacteria (*Bacillus subtilis*) was used. Lipase producing microorganisms produced clear zones on this media. Agar disc cut from the...

(PDF) Isolation of Lipase Producing Bacteria from Oil ...

Isolation of lipase/esterase producing microorganisms Samples were serially diluted with sterile distilled water and spread on the nutrient agar plates followed by incubation for 24-48 h at 37 °C for the growth of microorganisms.

Screening, isolation and production of lipase/esterase ...

Some important lipase-producing bacterial genera include *Bacillus*, *Pseudomonas* and *Burkholderia*. Lipases are generally produced on lipidic carbon, such as oils, fatty acids, glycerol or

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tweens in the presence of an organic nitrogen source. Bacterial lipases are mostly extracellular and are produced by submerged fermentation.

Bacterial lipases: an overview of production, purification

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Eight strains were isolated on the basis of colony morphology and the appearance on nutrient agar plates by serial dilution technique from petrol spilled soil sample. The oily environment may provide a better environment for isolation on lipase producing microorganism (Mobarak-Qamsari et al., 2011). The isolated 8 bacterial strains were designated as SP1, SP2, SP3, SP4, SP5, SP6, SP7 and SP8.

Optimization and production of lipase enzyme from ...

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Potassium Nitrate did not show any lipase activity. In conclusion, the lipase producing bacteria strain, B_27-F_C05_08 isolated from the mechanic's workshop was identified as *Pseudomonas aeruginosa* whose preferred carbon source, nitrogen source, pH and incubation time are olive oil, ammonium nitrate, pH 11 and 12 h, respectively. Conclusion

Isolation, optimization and molecular characterization of

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3.1 Isolation and screening of lipase producing bacteria: A total of 158 colonies were selected and isolated from the 11 samples. The lipase enzyme producing microbial colonies were identified by the clearing zones around the colonies. The selected isolates were transferred onto nutrient agar slants and incubated for 24 hours.

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ISOLATION, OPTIMISATION AND PARTIAL PURIFICATION OF LIPASE ...

Isolation and screening of lipase-producing microorganisms: Lipase producing microorganisms have been found in diverse habitats such as industrial volatile wastes from the bacterial isolates L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, and L11., vegetable oil processing factories, dairies, soil contaminated with oil, oil seeds, and decaying food 36 , compost heaps, coal tips, and hot springs 37 .

INDUSTRIAL ENZYMES: LIPASE PRODUCING MICROBES FROM WASTE ...

A total of seventeen strains of bacteria were isolated from soil samples. Out of them nine isolates have amylase producing activity, eight have protease producing activity, two isolates have...

Isolation, characterization and screening of enzyme ...

Isolation and Identification of a Novel Lipase Producing Bacteria from Oil Spilled Soil, International Journal of Innovative Research in Science, Engineering and Technology, 3. Wang Y., Srivastava KC., Shen GJ. and Wang HY. (1995). Thermostable alkaline lipase from a newly isolated thermophilic Bacillus, strain A30-1 (ATCC 53841).

Isolation and Identification of Lipase Producing Bacteria

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For isolation of lipase producing organism, soil sample was collected from 4-5 cm depth with help of sterile spatula in a sterile plastic bag from the vicinity of Vellore petrol bunks in Tamilnadu.

Isolation of lipase producing bacteria from oil ...

Based on the isolated dominant strains, nine lipase-producing bacteria were obtained and classified into six genera including Bacillus, Brevibacterium, Corynebacterium, Staphylococcus, Klebsiella, and Stenotrophomonas.

Isolation and Characterization of Lipase-Producing ...

Abstract --- The aim of the present study was to isolate the

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extracellular protease and lipase producing bacteria from tannery effluents. The bacterial isolation was performed by serial dilution and plating method.

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