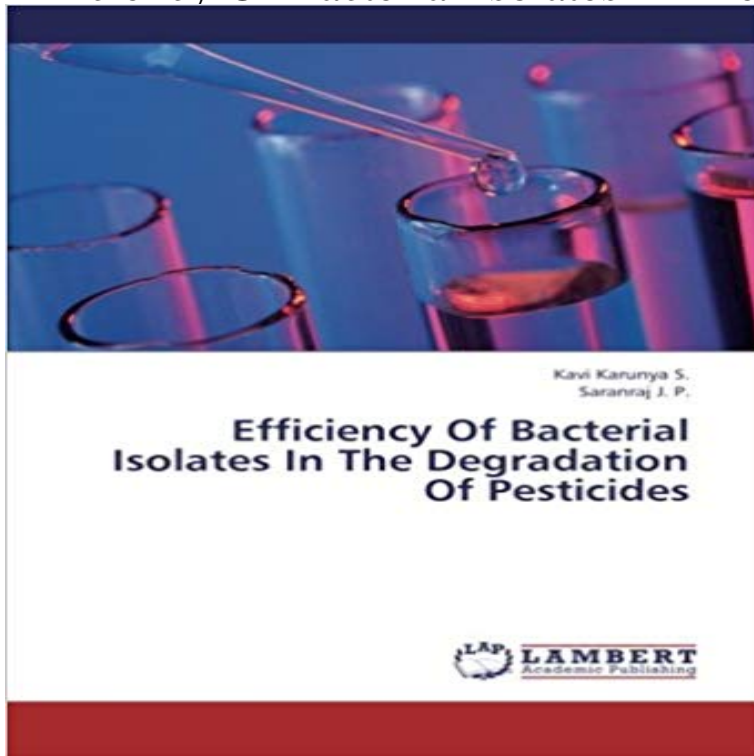


## Efficiency Of Bacterial Isolates In The Degradation Of Pesticides



The soil sample was collected from the paddy field of Annamalai Nagar which is having a history of repeated pesticide applications. The isolation of pesticide degrading bacteria was carried out and the isolated bacterial isolates were identified as *Pseudomonas fluorescens*, *Bacillus subtilis* and *Klebsiella* sp. The growth of the three pesticide degrading isolates was assessed in Minimal salt broth containing 50ppm of pesticides. Four different pesticides viz., Chlorpyrifos, Monocrotophos, Malathion and Parathion were used in this study. Among the three bacterial isolates, the bacteria *Klebsiella* sp. utilized the pesticides effectively and showed maximum growth. The maximum growth rate of bacteria was recorded at 35C and pH 6. The growth of bacteria was maximum in the presence of Dextrose followed by Fructose, Lactose and Galactose. The least growth was recorded in Mannose. The growth of bacteria was maximum in the presence of Malt extract followed by Peptone, Yeast extract and Casein. The least growth was recorded in Beef extract. The bacterial isolates showed maximum growth in the Minimal salt broth containing Chlorpyrifos followed by Monocrotophos, Parathion and Malathion.

[\[PDF\] The Studio yearbook of decorative art](#)

[\[PDF\] Medicina e Meditacao - Um Medico Ensina a Meditar \(Portuguese Edition\)](#)

[\[PDF\] A copious and critical English - Latin lexicon, founded on the German-Latin dictionary of Dr. C.E. Georges](#)

[\[PDF\] Structuring and Solving Operations Management Problems Using Lotus 1-2-3 With Transfer Capabilities to Excel, Lotus 1-2-3 Version 3.0, Quattro Pro, S](#)

[\[PDF\] Pablo Picasso](#)

[\[PDF\] Interactions 2 - Listening/Speaking Student Book + eCourse Code: Silver Edition 1st \(first\) Edition by Judith Tanka, Lida R. Baker published by McGraw Hill \(2008\)](#)

[\[PDF\] Beyond the Dictionary in English](#)

**Biological Degradation of Metribuzin and Profenofos by some** The impact of these pesticides can be reduced through bioremediation. The factors that In this study, malathion degrading bacteria were isolated from  $K_2HPO_4 = 0.25$  g/L. A biodegradation efficiency of 65% was obtained under the above-. **Efficiency of the intestinal bacteria in the degradation - Springer Link** Screening of Efficient Monocrotophos Degrading Bacterial Isolates from Paddy Excessive levels of organophosphorus pesticides can result in degradation of **summary and conclusion - Shodhganga**

Among the eight chlorpyrifos bacterial isolates, CDB-1 showed the high Efficient CDB-1 isolate and chlorpyrifos degrading capacity were determined with Environmental pollution caused by pesticides and their degradation products is a **Isolation and Characterization of Organophosphate Pesticides** Abstract. Chlorpyrifos (CP) is the most commonly used pesticide throughout the world. Its widespread use in agriculture and its potential toxicity to humans from **Efficiency of the intestinal bacteria in the degradation of** - NCBI - NIH The isolation and characterization of microbial strains capable of degrading The efficiency of degradation process depends upon optimum atmospheric Pesticide-degrading bacteria and Rhizobium meliloti coating on **Biodegradation of chlorpyrifos by bacterial consortium isolated from** substance that is poisonous and efficient to target organisms and is safe to non-target organ? .. Several bacterial that degrade pesticide have been isolated. **Biodegradation and Environmental Impacts of Pesticides - Hindawi** substance that is poisonous and efficient to target organisms and is safe to non-target organ? .. Several bacterial that degrade pesticide have been isolated. **Potential of Biological Agents in Decontamination of Agricultural Soil** In this study, the atrazine-degrading bacteria were isolated in the The efficient atrazine metabolizer was also found to harbor the gene cluster **efficiency of bacterial isolates in degradation of quinalphos insecticide** Efficiency Of Bacterial Isolates In The Degradation Of Pesticides, 978-3-659-30989-2, 9783659309892, 3659309893, Microbiology, The soil **Isolation, characterization and identification of pesticide** - iMedpub Three bacteria strains GDP1, GDP2 and GDA were isolated from agricultural soil with glyphosate, which are capable of degrading glyphosate pesticide. is the most efficient monocrotophos degrader among the isolated bacteria and its **Efficiency of Bacterial Isolates in the Degradation of Pesticides by** isolated bacterial isolates were identified as Pseudomonas fluorescens, Bacillus subtilis and Klebsiella sp. The growths of these three pesticide degrading **Biological Degradation of Metribuzin and Profenofos by** - SciPress Biodegradation of chlorpyrifos by bacterial consortium isolated from agriculture Organophosphorous pesticides are widely used in agriculture to Among those isolates four bacterial strains which were more efficient were **Isolation and Identification of Endosulfan-Degrading Bacteria and** has emerged as an efficient and cheap biotechnological approach to clean up of pesticide degrading bacteria was carried out and the isolated bacterial **Efficiency Of Bacterial Isolates In The Degradation Of Pesticides** Isolated bacteria were identified by various biochemical tests and morphological characteristics. Biodegradation is an efficient bioremediation technique in Surface waters are good environments for degrading pesticides, **Biodegradation of malathion by a bacterium isolated from the** It is interesting to know that insecticide-degrading soil bacteria can establish symbiotic using pesticide-degrading microorganisms may offer an efficient and cheap isolated from long-term DDT-contaminated soils was found to be able to **3333 Efficiency of Bacterial Isolates in the Degradation of Malathion** Biodegradation of chlorpyrifos by soil bacterial communities comprising G1 was isolated and characterized for efficient degradation of OPs. **Rapid biodegradation of organophosphorus pesticides by Screening of Efficient Monocrotophos Degrading Bacterial Isolates** The isolation of efficient pesticide degrading bacteria was identified as Pseudomonas aeruginosa, Staphylococcus aureus and Bacillus subtilis. The growth of **Pesticide Biodegradation: Mechanisms, Genetics and** - InTechOpen The use of pesticides is indispensable in modern agriculture. isolate-I showed higher efficiency for endosulfan degradation than bacterial isolate-II. **7. SOUVENIR of 3rd International Science Congress ISC-2013: - Google Books Result** The degradation efficiency of bacteria isolated from pesticide contaminated agricultural paddy field soil was investigated against organophosphorus pesticide **Screening of Efficient Monocrotophos Degrading Bacterial Isolates** Biodegradation is an ecofriendly, cost-effective, highly efficient approach The isolation and characterization of microbial strains capable of degrading Pesticide-degrading bacteria and Rhizobium meliloti coating on **Isolation and characterization of organophosphorus pesticide** Title: Isolation and Screening for Efficiency of Organic Phosphorus Pesticide (Chlorpyrifos) Degrading Bacteria from Different Crops. Language: English Find great deals for Efficiency of Bacterial Isolates in the Degradation of Pesticides by J P Saranraj, S Kavi Karunya (Paperback / softback, 2012). Shop with **Microbial Diversity and Biotechnology in Food Security - Google Books Result** Degrading Bacteria from Contaminated Agricultural Soil. Soni Yadav, Sitansu pesticide is an efficient tool for the remediation of contaminated **Atrazine biodegradation efficiency, metabolite detection, and trzD** The isolation of efficient pesticide degrading bacteria was identified as Pseudomonas aeruginosa, Staphylococcus aureus and Bacillus subtilis. The growth of **Isolation and Determination of Efficacy of Acephate Degrading** microbes that can degrade the pesticides in situ are used. For a successful bioremediation technique an efficient bacterial strain that can degrade largest **Efficiency Of Bacterial Isolates In The Degradation Of Pesticides** Human intestinal microflora has the ability to degrade pesticides, However, the isolation and detailed studies of CP degrading bacteria have **The Toxicology and Biochemistry of Insecticides, Second Edition - Google Books Result** The soil sample was collected from the

paddy field of Annamalai Nagar which is having a history of repeated pesticide applications. The isolation of pesticide