

# Acces PDF Molecular Characterization Of Trichoderma Isolates By Issr

## **Molecular Characterization Of Trichoderma Isolates By Issr**

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## **Molecular Characterization Of Trichoderma Isolates**

Molecular characterization The total genomic DNA was extracted from each isolate of Trichoderma based on cetrimide tetradecyl trimethyl ammonium bromide (CTAB) mini extraction method of Crowhurst et al. (1995) with modification Inter simple sequence repeats (ISSR) analysis

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## **Molecular characterization of Trichoderma isolates by ISSR ...**

Physiological and Molecular Plant Pathology. Volume 74, Issues 3-4, May 2010, Pages 274-282. Molecular and biochemical characterization of Trichoderma isolates inhibiting a phytopathogenic fungi *Aspergillus niger* Van Tieghem. Author links open overlay panel H.P. Gajera D.N. Vakharia. Show more. <https://doi.org/10.1007/s12256-010-9188-1>

## **Molecular and biochemical characterization of Trichoderma ...**

Twelve *Trichoderma* isolates, tested for antagonism with fungal pathogen, produced and secreted on induction substantial amounts of various cell wall degrading enzymes in comparison to control T 13 (*A. niger* alone). Maximal specific activity (2.64 U mg<sup>-1</sup> protein) of cellulase was produced by control T 13 (*A. niger* alone).

## **Molecular and biochemical**

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## **characterization of Trichoderma ...**

Molecular Characterization of  
Trichoderma spp. Isolates by Internal  
Transcribed Spacer (ITS) Region  
Sequencing Technique and its Use as a  
Biocontrol Agent

## **Molecular Characterization of Trichoderma spp. Isolates by ...**

Molecular characterization and  
identification of biocontrol isolates of  
Trichoderma spp. Hermosa MR(1),  
Grondona I, Iturriaga EA, Diaz-Minguez  
JM, Castro C, Monte E, Garcia-Acha I.  
Author information: (1)Departamento de  
Microbiología y Genética,  
CSIC/Universidad de Salamanca, 37002  
Salamanca, Spain.

## **Molecular characterization and identification of ...**

2.3 Molecular characterization Genomic  
DNA was extracted from each isolates of  
Trichoderma atroviride grown in 1000 ml  
conical flask containing 400 ml of PDB  
medium. Two agar plugs from actively

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growing colony of *T. atroviride* were transferred to each flask aseptically in a laminar flow. The flask was incubated at  $23\pm 20^{\circ}\text{C}$  for 7 days. The mycelial mat was

## **Morphological and Molecular Characterization of ...**

Morphological and Molecular  
Characterization of *Trichoderma* Isolates  
of North Bengal Article (PDF Available) ·  
January 2011 with 576 Reads How we  
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## **(PDF) Morphological and Molecular Characterization of ...**

Characterization of 16 biocontrol strains,  
previously identified as “ *Trichoderma*  
*harzianum* ” Rifai and one biocontrol  
strain recognized as *T. viride*, was  
carried out using several molecular  
techniques. A certain degree of  
polymorphism was detected in  
hybridizations using a probe of  
mitochondrial DNA.

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## **Molecular Characterization and Identification of ...**

Molecular characterization of *T. asperellum* isolates To genotype the 30 *T. asperellum* isolates, twenty RAPD primers were initially screened with DNA of five isolates. Eight primers (OPA-11; OPAI-06; UBC-611; UBC-17; OPH-01; OPY-07; OPB-05 and OPB-19) were selected to amplify reproducible, scorable RAPD bands with high levels of polymorphisms.

## **Characterization of Novel Trichoderma asperellum Isolates ...**

Morphological, Biochemical and Molecular Characterization of *Trichoderma harzianum* Isolates for their Efficacy as Biocontrol Agents Kamal Sharma Authors' address: Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala 695017, India (correspondence to R. S. Misra: E-mail: rajshekharmisra@gmail.com)

## **Morphological, Biochemical and**

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## **Molecular Characterization ...**

Molecular Characterization of Trichoderma Isolates For DNA extraction hyphal tips of Trichoderma isolates were inoculated to 1.5 ml of eppendorf tube filled with 1 ml of Potato dextrose broth and allowed to grow for 72 hours at  $28 \pm 2$  oC incubation.

## **Isolation, Identification and Characterization of ...**

Trichoderma isolates. This is an integrated approach of morphological and molecular markers can be employed to identify a superior strain of Trichoderma for its commercial exploitation. Key Words:...

## **(PDF) Molecular characterization of Trichoderma isolates ...**

Lipases have many applications in biotechnology, thanks to their ability of acylglycerides hydrolysis. They also possess the unique feature of acting at the lipid-water interface, which distinguishes them from esterases.

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Commercially useful lipases are produced by microorganisms with the extracellular lipase being produced by many bacteria including *Pseudomonas*.

## **Isolation, Optimization, and Molecular Characterization of ...**

Morphological characterization of *Trichoderma* species is based on microscopic measurements of mycelia fragments as well as growth rates of different isolates on different media at different temperatures, while molecular identification is based on sequence comparisons of ITS regions of rDNA gene.

## **ISOLATION AND MOLECULAR CHARACTERIZATION OF EGYPTIAN ...**

agents were identified based on morphological and molecular characterization. These identified bioagents were tested in vitro, and the highest mycelial inhibition was recorded in dual culture assay by *Trichoderma*

harzianum (74.44%), and among organic amendments, maximum mycelial inhibition was found in neem cake (61.11%). In a

## **Utilizing the combined antifungal potential of Trichoderma ...**

Molecular characterization of the potential bio-control agents using RAPD-PCR, helps to determine the diversity and characterization. This study aimed to determine DNA fingerprinting and genetic variability of Trichoderma harzianum mutants and their parents by different RAPD markers. Materials and Methods Trichodrma harzianum isolates

## **Molecular Characterization and Genetic Variability of ...**

Economically importance genera Trichoderma is used more frequently in crop production and plant agriculture, for high yield and in disease management as biological control agents. In present study genetic characterization (rRNA gene

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amplification) of twenty four indigenous isolates of Trichoderma was carried out through these standard protocols.

## **Study of Trichoderma Speceis in Lahore, Pakistan | Dodax.com**

Molecular characterization of methanotrophic isolates from freshwater lake sediment. A. J. Auman, S. Stolyar, A. M. Costello, M. E. Lidstrom. ... Only one restriction length polymorphism pattern was shown for pmoA genes in each isolate, and in cases where, sequencing was done, the pmoA copies were found to be almost identical. ...

## **Molecular characterization of methanotrophic isolates from ...**

Characterization of 16 biocontrol strains, previously identified as "Trichoderma harzianum" Rifai and one biocontrol strain recognized as T. viride, was carried out using several molecular techniques. A certain degree of polymorphism was detected in hybridizations using a probe of mitochondrial DNA.

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