

# Molecular Characterization Of Trichoderma Isolates By Issr

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### Molecular Characterization Of Trichoderma Isolates

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

Molecular Characterization and Identification of Biocontrol Isolates of Trichoderma spp M R HERMOSA, I GRONDONA, E A ITURRIAGA, J M DIAZ-MINGUEZ, C CASTRO, E MONTE,\* AND I GARCIA-ACHA Departamento de Microbiología y Genética, CSIC/Universidad de Salamanca, 37002 Salamanca, Spain Received 20 September 1999/Accepted 7 February 2000

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

Molecular characterization of Trichoderma isolates by ISSR Marker DOI: 109790/2380-08730105 wwwiosrjournalsorg 3 | Page Morphological characterization The growth patterns of Trichoderma isolates after three days of incubation at 25°C showed significant

#### **Molecular Characterization of Trichoderma viride and ...**

Molecular Characterization of Trichoderma viride and Abstract: Nineteen isolates of Trichoderma viride and Trichoderma harzianum obtained from rhizosphere soil An estimated 1,500,000 characterization of the potential biocontrol agents using species of fungi exist in the world [5] Random Amplified Polymorphic DNA (RAPD) and

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#### **Molecular Characterization of Trichoderma Mutants with ...**

Molecular Characterization of Trichoderma viride and Trichoderma harzianum Isolated from soil from north Bengal based on rDNA marker and analysis of their PCR-RAPD profiles Global J Biotech and Biochem 5(1): 55-61 Cumagun, CJ, J Hockenull and M Lubeck 1999 Identification

characterization of Trichoderma isolates from Philippine

### **Biochemical and Molecular Characterization of Trichoderma ...**

BIOCHEMICAL AND MOLECULAR CHARACTERIZATION OF SOME TRICHODERMA ISOLATES ANTAGONISTIC TO RHIZOCTONIA SOLANI THE CAUSAL OF BEAN ROOT-ROT Zaki A El-Fiky\*; Osama Y Shalaby \*\* and Nada F Ahmed \*\* Department ...

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

MOLECULAR CHARACTERIZATION AND IDENTIFICATION OF BIOCONTROL ISOLATES OF Trichoderma harzianum FROM EMBU DISTRICT, KENYA [CARACTERIZACIÓN MOLECULAR E IDENTIFICACIÓN DE AISLAMIENTOS DE BIOCONTROL DE Trichoderma harzianum DEL DISTRITO DE EMBU, KENIA] E N Siameto<sup>1</sup>, S Okoth<sup>2\*</sup>, N O Amugune<sup>2</sup>, and N C Chege<sup>2</sup>

### **Identification and molecular characterization of egyptian ...**

Identification and molecular characterization of egyptian trichoderma isolates Mohamed Ibrahim Abd Elhamid<sup>1</sup>, Ismail Mohamed Ismail<sup>1</sup>, Hisham Mohamed Alshishtawy<sup>1</sup> and Mohamed Zakaria Sedik<sup>2</sup> <sup>1</sup>Agricultural Genetic Engineering Research Institute, AGERI, ARC, Giza, Egypt <sup>2</sup>Microbiology Department, Faculty of Agriculture, Cairo University

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

level of genetic diversity in Trichoderma spp has been reported (Chakraborty et al 2010) that can be used to produce a wide range of products of commercial and ecological interest <sup>2</sup> Materials and Methods <sup>21</sup> Identification and Morphological characterization of Trichoderma sp Isolates of Trichoderma were isolated from soil samples

### **Morphological Characterization of Biocontrol Isolates of ...**

Morphological characterization The five isolates of Tharzianum and seven isolates of Tviride examined for this study are listed in Table 1 All the isolates taken for study were already classified as Trichoderma harzianum and Trichoderma viride through biochemical analysis based on their toxicity over the plant pathogens

### **MOLECULAR CHARACTERIZATION OF NOVEL ISOLATES OF ...**

MOLECULAR CHARACTERIZATION OF NOVEL ISOLATES OF RHIZOCTONIA SOLANI, TRICHODERMA ATROVIRIDE AND FUSARIUM SPP ISOLATED FROM DIFFERENT PLANTS AND CUTTING WOODS IN IRAQ AQEEL N AL-ABEDY<sup>1\*</sup>, RG AL-JANABI<sup>1</sup>, ZA AL-TMEME<sup>1</sup>, ALAA TSALIM<sup>1</sup> AND MUHAMMAD ASHFAQ<sup>2\*</sup> <sup>1</sup>Plant Protection Department, Agriculture College, ...

### **Molecular and Biochemical Characterization of Potential ...**

Molecular and Biochemical Characterization of Potential Isolates of Trichoderma Species Effective against Soil-Borne Pathogens N Srinivasa<sup>1\*</sup>, Deeba Kamil<sup>1</sup>, Chandu Singh, Avinash Singode<sup>3</sup> and Deeksha Gupta<sup>1</sup> <sup>1</sup>Division of Plant Pathology, <sup>2</sup>Seed Production Unit, ICAR-Indian Agricultural Research Institute, New Delhi, India

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

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 Trichoderma harzianum isolates

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

Molecular Characterization of Trichoderma Isolates For DNA extraction hyphal tips of Trichoderma isolates were inoculated to 15 ml of eppendorf

tube filled with 1 ml of Potato dextrose broth and allowed to grow for 72 hours at 28±2 oC incubation The mycelial mat produced after the inoculation, was pelleted by centrifugation for

#### **Antagonistic activity and molecular characterization of ...**

Hence, the aim of this study was to identify 12 Trichoderma isolates based on their molecular markers and to evaluate the antagonistic activity of these Trichoderma isolates against several plant pathogens The 12 Trichoderma/Hypocrea isolates were harvested from the rhizosphere of healthy tomato plants in Abha region, Saudi Arabia These isolates

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

496 ISOLATION AND MOLECULAR CHARACTERIZATION OF EGYPTIAN TRICHODERMA AND ASSESSMENT OF THEIR ANTAGONISTIC POTENTIAL AGAINST RHIZOCTONIA SOLANI Gamal Mohamedin Hassan\*1, Zaki Ahmed El-Feky1,Nada

#### **MORPHOLOGICAL CHARACTERIZATION AND SEQUENCE ...**

and utilized as BCAs In the present study, 11 Trichoderma isolates were isolated from rhizosphere soils, humus and compost These isolates were characterized and identified by morphological characterization and sequence analysis of 58S-ITS region The morphological characteristics examined

#### **Pathobio-molecular Identification of Trichoderma sp.**

Most isolates of the genus Trichoderma were found to act as mycoparasites of many economically important aerial and soil-borne plant pathogens Trichoderma has gained importance as a substitute for chemical pesticides and hence an attempt was intended to corroborate the positive relatedness of molecular and morphological characters

#### **Isolation, Purification and Characterization of Glucanase ...**

Isolation, Purification and Characterization of Glucanase Enzyme from the Antagonistic Fungus Trichoderma Sonika Pandey, Mohammad Shahid, Mukesh Srivastava, Antima Sharma Anuradha Singh & Vipul Kumar Biocontrol Laboratory, Department of Plant Pathology, Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP India

#### **Journal of Molecular Biomarkers**

This result indicated the identification patterns of Trichoderma isolates Journal of Molecular Biomarkers J & Diagnosis o u r n a l o f M o l e c u l a B i o m a r k e r s & D i a g n o s i s ISSN: 2155-9929 Citation: Shahid M, Singh A, Srivastava M, Srivastava DK(2014) Molecular Characterization of Trichodermaviride Isolated from Rhizospheric