Antioxidant Activity Of Endophytic Fungi Isolated From

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In Vitro Anti-oxidant, Anti-fungal and Anti-staphylococcal ...
In a DPPH radical-scavenging assay, when the concentration of fungal CSA was 500 μg/mL, inhibition percentage could reach 80%, which was almost the same as that of standard CSA. This study first reported the natural antioxidant CSA from endophytic fungi F. solani and F. proliferatum isolated from pigeon pea.

Antioxidant Activity Of Endophytic Fungi
The antioxidant activity of the endophytic fungi extracts was evaluated by the DPPH, FRAP and β-carotene bleaching. The antibacterial activity of the endophytic fungi extracts was tested against six human pathogenic strains, being three strains ATCC and three hospital: Staphylococcus aureus, Klebsiella pneumoniae and Salmonella enteritidis.

Antioxidant Activity of Syzygium samarangense L. and Their ...
Four endophytic fungi had been isolated form S. samarangense leaves. Antioxidant activity test showed that ethyl acetate extract of endophytic fungi BJA-1 has the highest value.

ANTAGONISTIC AND ANTIOXIDANT ACTIVITY OF ENDOPHYTIC FUNGI ...
Antifungal activity of the endophytic fungi. The antifungal activity of endophytic fungi isolated from T. purpurea measured by dual culture testing is shown in Table 4. Most of the fungi did not exhibit antifungal activity against six pathogenic fungi; however, 6 isolates did exhibit activity.

Antimicrobial and antioxidant activity of endophytic fungi ...
from endophytic fungi show important biological activities such as antioxidant, anticancer, immunomodulatory, antivirus, antituberculosis, anti-parasite and insecticides (Hussain et al., 2014). Endophytic fungi produce secondary metabolites similar to the host plant; therefore, endophytic fungi can be used as a source

Antioxidant activity of exo‐metabolites produced by ...
(Euphorbiaceae). Materials and Methods: The 1, 1-diphenyl-2-picrylhydrazyl scavenging, reducing power, and total antioxidant assay were used to evaluate the antioxidant activity. Cytotoxic activity of endophytic fungal extracts against MCF-7 and MOLT-4 cell lines was carried out using 3-(4, 5-dimethylthiazol-2-yl)-2, 5-diphenyl-2H-tetrazolium bromide method. Results: We have successfully isolated four endophytic fungi from T. involucrata, namely Penicillium citrinum CGJ-C1 (GenBank accession ...

(PDF) Antioxidant Activity of Syzygium samarangense L. and ...
seven endophytic fungi isolated, four were found to exhibit anti bacterial activity. Among these three isolates also showed anti oxidant activity. Highly potential fungus which showed antibacterial activities at the lowest amount tested and antioxidant activity comparable to that of ascorbic acid was characterized as Fusarium proliferatum.

Antibacterial and antioxidant potential of endophytic ...
Wang et al.: Antioxidant activity of secondary metabolites and mycelium extracts of endophytic fungi isolated from ⋯ 788 was added in, then the system was heated reflux extraction for twice, each time 2 h.

Diversity and Antioxidant Activity ... - PubMed Central (PMC)
Finally, it is important to note that we found a high antioxidant activity of the crude extracts of only one endophytic fungus isolated from a single plant species (Otoba gracilipes) from a particular tropical forest in Colombia. Thus, there is still much to explore in the potentially hugely diverse array of fungal endophytes present across tropical ecosystems.

Antioxidant activity of secondary metabolites and mycelium ...
antioxidant capacities and antibacterial activity of endophytic fungi isolated from the medicinal plant M. luteola. MATERIALS AND METHODS Sample collection Fresh leaf, stem and root samples of M. luteola were collected from Vellore district, Tamilnadu in the month of June 2016.

Antioxidant and antibacterial activity of endophytic fungi ...
semisolid powder of each endophytic fungus was tested for antioxidant activity. DPPH free radical scavenging activity: Endophytic ethanolic fungal extracts at 500 g concentrations were used for DPPH assay. DPPH (1,1-diphenyl-2-picrylhydrazyl) is a stable, nitrogen-centered free radical which produces violet color in ethanol solution.

Antibacterial and antioxidant activities of endophytic ...
ISOLATION AND CHARACTERIZATION OF ENDOPHYTIC FUNGI FROM MEDICINAL PLANT CRESCENTIA CUJETE L. AND THEIR ANTIBACTERIAL, ANTIOXIDANT AND ANTICANCER PROPERTIES S. PRABUKUMAR, C. RAJKUBERAN, K. RAVINDRAN, S. SIVARAMAKRISHNAN* Department of Biotechnology and Genetic Engineering, Bharathidasan University, Tiruchirappalli 620024, Tamilnadu, India Email ...

Endophytic Fungi from Pigeon Pea [Cajanus cajan (L ...
antagonistic and antioxidant activity of endophytic fungi isolated from ximenia americana western ghats of india html full text. antagonistic and antioxidant activity of endophytic fungi isolated from ximenia americana western ghats of india. rohit shankar mane and ankala basappa vedamurthy *

(PDF) Antioxidant Activity of Endophytic Fungi isolated ...
The results of this study represent that endophytic fungi may serve as a potential source of natural antioxidants. This is the first report on the antioxidant activity of endophytic fungi isolated from E. jambolana. This study will provide an introduction to more comprehensive work on bioactive compounds produced by these endophytes.

In vitro antioxidant and antibacterial activity of ...
In the present study, resveratrol-producing endophytic fungi have been investigated for their in vitro antioxidant, antifungal and anti-staphylococcal activities. All the four fungal endophytes exhibited significant resveratrol production in the range of 31.3 – 89.1 mg/L in liquid cultures which was evaluated by high-performance liquid chromatography analysis.

Antioxidant Activity of Endophytic Fungi Isolated from ...
As a result, some endophytic fungi with scavenging ROS activity in vitro are isolated from special antioxidant plants [33]. However, similar studies are very few [29,34]. To date, Rhodiola plants with excellent antioxidant capacities have not yet been reported.

Antioxidant and cytotoxic potential of endophytic fungi ...
Antioxidant Activity of Syzygium samarangense L. and Their Endophytic Fungi Leaves of jambu air (Syzygium samarangense L.) has been used by local residents as medicine for various diseases caused by free radical agents in human ' s body.

Phylogenetic Diversity and Antifungal Activity of ...
Merr (Anacardiaceae).The dominant fungi isolated from Lannea coromandelica were Aspergillus niger, Aspergillus flavus and Alternaria alternata, they were subjected to antioxidant activity by...

In vitro antioxidant activity and total phenolic content ...
Introduction: Medicinal plants growing in the " sacred forests " of Meghalaya (20.1 ° N-26.5 ° N latitude and 85.49 ° E-92.52 ° E longitude), in the northeastern region of India are used by the traditional medical practitioners of the ethnic tribes