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Endophytic Fungi
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Antioxidant Activity Of Endophytic Fungi

The antioxidant activity of the endophytic fungi extracts was evaluated by the DPPH, FRAP and

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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 and
antibacterial activity**

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of endophytic fungi
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medicinal plants and
their endophytic fungi

Syzygium

samarangense leaves

was fractionated by

maceration method

using gradient solvent

i.e. n-hexane, ethyl

acetate, and methanol.

The antioxidant activity

of the leaf fractions

was determined using

1,1diphenyl-2-picryl

hydrazyl (DPPH)

method.

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**Antioxidant Activity
of L. and Their
Endophytic Fungi**

Antioxidant activity of
exo-metabolites
produced by *Fusarium
oxysporum*: An
endophytic fungus
isolated from leaves of
Otoba gracilipes
Microbiologyopen .
2019 Oct;8(10):e903.
doi:
10.1002/mbo3.903.

Antioxidant activity

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**of exo-metabolites
produced by ...**

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-p
icrylhydrazyl) is a
stable, nitrogen-
centered free radical
which produces violet

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published on
antioxidant properties
of endophytic fungi
were very few. Hence
in the present study
Phomopsis amygdale,
an endophytic fungus
isolated from the
Mangrove plant, the
isolated fungus was
cultivated under

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submerged culture
condition was
evaluated for their
antioxidant activity.

Keywords: Antioxidant,
ABTS,

ANTIOXIDANT ACTIVITY OF THE ENDOPHYTIC FUNGI ISOLATED FROM ...

There is 22% of
endophytic fungi
extract isolated from
five Garcinia species
plants exhibited
antioxidant activities

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[26] . Endophytes of *Salvadora oleoides*, *Tabebuia argentea* showed antioxidant potential in different assays [27,28] . The endophytic fungi of *Nerium oleander* L. and liverwort *Scapania verrucosa* were shown to have excellent antioxidant capacity [29,30] .

In vitro antioxidant activity and total phenolic content ...

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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

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**Antibacterial and
antioxidant
activities of
endophytic ...**

Endophytic fungi from mangroves viz, Phomopsis amygdale, Trichoderma sp and Alternaria sp have been reported to show high antioxidant activities against various free radicals which go in line with the result of the present study

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[22,23,18].
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**Antibacterial and
antioxidant
potential of
endophytic ...**

Antioxidant activity of
exo-metabolites
produced by *Fusarium
oxysporum*: An
endophytic fungus
isolated from leaves of
Otoba gracilipes.

Caicedo NH (1),
Davalos AF (2), Puente
PA (3), Rodríguez AY
(4), Caicedo PA (2).

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Antioxidant activity of exo-metabolites produced by ...

There are large number of bioactive compounds that have been isolated and identified from endophytic fungi which has various biological activities such as antioxidant, anticancer, antiviral, immunomodulatory, antitubercular, insecticidal and

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**In vitro antioxidant
and antibacterial
activity of ...**

The free radical scavenging (FRS) activity of the endophyte extract was evaluated by DPPH antioxidant assay. The methanolic fungus extract was prepared in different dilutions (100, 200, 400, 600, and 800 $\mu\text{g ml.}^{-1}$) and the DPPH solution

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was prepared in methanol according to Chan et al. (2007).

Chemical compositions, cytotoxicity and antioxidant ...

Methodology:

Endophytic fungi were isolated from seaweed *S. wightii*. The isolated fungi was identified by 18S rRNA and ITS sequence. The ethyl acetate extract of endophytic fungi was

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subjected for...
Endophytic Fungi
**Antiangiogenic and
Antioxidant Activity
of Endophytic ...**

The minimum
inhibitory
concentration (MIC)
analysis showed that
endophytic fungi
extract of CO 2 and
SE3 are classified as
strong antibacterial
activity against *S.*
aureus with MIC value
<8 µg/ml. The TLC
bioautography of

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antioxidant displayed
the appearance of
radical inhibition area
from SE4 and SE5
extract.

**The Antimicrobial
and Antioxidant
Activity of
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The endophytic fungus
was identified as
Cladosporium
cladosporioides (Gen
Bank ID - KT384175).
The ethyl acetate
extract of C.

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cladosporioides showed a significant antioxidant and angiosuppressive activity. The ESI-LC-MS analysis of the extract revealed the presence of wide range of secondary metabolites.

Antiangiogenic, wound healing and antioxidant activity of ...

The phenolic compounds are responsible for the

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antioxidant activity of host plant and its isolated endophytic fungus. The activity of phenolic compounds depends on their chemical structure. Better antioxidant activity was observed higher in aqueous extract of Phyllanthus amarus and methanolic extract of Bauhinia racemosa.

Research Article
ISSN : 0975-7384

Page 21/26

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Abstract. *Costus spiralis* (Costaceae) is a species native to the Amazon region and is used in traditional medicine. The endophytic fungi used in this study were obtained from leaves of this plant. 13 strains were selected to obtain hydroethanolic extracts and were submitted to hydroalcoholic extraction and evaluated for antioxidant activity by

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DPPH (2,2-difenil-1-picrilhidrazil) and FRAP (ferric reducing antioxidant power), and all of the fungi had positive results.

Chemical Assessment and Antimicrobial and Antioxidant ...

The antioxidant activity of DPPH of isolated marine endophytic fungal ethyl acetate extracts was shown in (Table 4). DPPH radical

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react with suitable
reducing agents then
losing colour
stoichiometrically with
the number of
electrons consumed,
which is measured
spectrophotometrically
at 517 nm.

Isolation and Characterization of Marine Endophytic Fungi ...

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