



THIS PAGE IS SECURE

Home / Persoonia - Molecular Phylogeny and Evolution of Fungi, Volume 27, December 2011



Calonectria spp. causing leaf spot, crown and root rot of ornamental plants in Tunisia

Download Article:



Download
(PDF 1,040.7 kb)

Authors: Lombard, L.; Polizzi, G.; Guarnaccia, V.; Vitale, A.; Crous, P.W.

Source: Persoonia - Molecular Phylogeny and Evolution of Fungi, Volume 27, December 2011, pp. 73-79(7)

Publisher: Naturalis Biodiversity Center

DOI: <https://doi.org/10.3767/003158511X615086>



previous article



view table of contents

next article



ADD TO FAVOURITES

...
Abstract



References



Citations



Supplementary Data



Article Media



Metrics



Suggestions

Calonectria spp. are important pathogens of ornamental plants in nurseries, especially in the Northern Hemisphere. They are commonly associated with a wide range of disease symptoms of roots, leaves and shoots. During a recent survey in Tunisia, a number of *Calonectria* spp. were isolated from tissues of ornamental plants showing symptoms of leaf spot, crown and root rot. The aim of this study was to identify these *Calonectria* spp. using morphological and DNA sequence comparisons. Two previously undescribed *Calonectria* spp., *C. pseudomexicana* sp. nov. and *C. tunisiana* sp. nov., were recognised. *Calonectria mexicana* and *C. polizzii* are newly reported for the African continent. Pathogenicity tests with all four *Calonectria* spp. showed that they are able to cause disease on seedlings of *Callistemon* spp., *Dodonaea viscosa*, *Metrosideros* spp. and *Myrtus communis*.

Keywords: CALONECTRIA; CROWN AND ROOT ROT; DNA PHYLOGENY; LEAF SPOT; PATHOGENICITY; SYSTEMATICS

Document Type: Research Article

Publication date: 2011年12月31日

[More about this publication?](#)

We recommend

Novel species of *Calonectria* associated with Eucalyptus leaf blight in Southeast China

Zhou, X.D. et al., Persoonia - Molecular Phylogeny and Evolution of Fungi

Calonectria species associated with cutting rot of Eucalyptus

L. Lombard et al., Persoonia - Molecular Phylogeny and Evolution of Fungi

Fungal pathogens of Proteaceae

P.W. Crous et al., Persoonia - Molecular Phylogeny and Evolution of Fungi

Calonectria (Cylindrocladium) species associated with dying Pinus cuttings

L. Lombard et al., *Persoonia - Molecular Phylogeny and Evolution of Fungi*

Fungal Planet description sheets: 371–399

P.W. Crous et al., *Persoonia - Molecular Phylogeny and Evolution of Fungi*

Sequential treatment with afatinib and osimertinib in patients with EGFR mutation-positive non-small-cell lung cancer: an observational study [↗](#)

Maximilian J Hochmair, *Future Oncology*

Genome analysis of the ubiquitous boxwood pathogen *Pseudonectria foliicola* [↗](#)

Yazmin Rivera et al., *PeerJ*

Biocontrol of the Potato Blackleg and Soft Rot Diseases Caused by *Dickeya dianthicola* [↗](#)

Appl Environ Microbiol

Genome Sequence of the Necrotrophic Plant Pathogen *Alternaria brassicicola* Abra43 [↗](#)

Genome Announc

Two New Complete Genome Sequences Offer Insight into Host and Tissue Specificity of Plant Pathogenic *Xanthomonas* spp. [↗](#)

J Bacteriol

Powered by **TREND** **MD**



Share Content



Access Key

- Free content
- Partial Free content
- New content
- Open access content
- Partial Open access content
- Subscribed content
- Partial Subscribed content
- Free trial content

Browse by Publication

Browse by Subject

Browse by Publisher

Advanced Search

About us

Researchers

Librarians

Publishers

New featured titles

Help

Contact us



[Terms and Conditions](#)

[Privacy](#)

[Information for Advertisers](#)

[Cookie Policy](#)