



THIS PAGE IS SECURE

[Home](#) / [Persoonia - Molecular Phylogeny and Evolution of Fungi](#), Volume 26, June 2011



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

Download Article:



**Download**  
(PDF 1,027.9 kb)

**Authors:** Chen, S.F.; Lombard, L.; Roux, J.; Xie, Y.J.; Wingfield, M.J.; Zhou, X.D.

**Source:** Persoonia - Molecular Phylogeny and Evolution of Fungi, Volume 26, June 2011, pp. 1-12(12)

**Publisher:** Naturalis Biodiversity Center

**DOI:** <https://doi.org/10.3767/003158511X555236>



[view table of contents](#)

[next article](#)



[ADD TO FAVOURITES](#)

**Abstract**

[References](#)

[Citations](#)

[Supplementary Data](#)

[Article Media](#)

[Metrics](#)

[Suggestions](#)

Leaf blight caused by *Calonectria* spp. is an important disease occurring on *Eucalyptus* trees grown in plantations of Southeast Asia. Symptoms of leaf blight caused by *Calonectria* spp. have recently been observed in commercial *Eucalyptus* plantations in Fujian Province in Southeast China. The aim of this study was to identify these *Calonectria* spp. employing morphological characteristics, DNA sequence comparisons for the  $\beta$ -tubulin, histone H3 and translation elongation factor-1 $\alpha$  gene regions and sexual compatibility. Four *Calonectria* spp. were identified, including *Ca. pauciramosa* and three novel taxa described here as *Ca. crousiana*, *Ca. fujianensis* and *Ca. pseudocolhounii*. Inoculation tests showed that all four *Calonectria* spp. found in this study were pathogenic on two different *E. urophylla*  $\times$  *E. grandis* hybrid clones, commercially utilised in eucalypt plantations in China.

**Keywords:** CYLINDROCLADIUM; EUCALYPTUS PLANTATIONS; FUJIAN; PATHOGENICITY

**Document Type:** Research Article

Publication date: 2011年6月30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*

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

L. Lombard 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 pathogens of Proteaceae


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*

Corn gene conferring resistance to multiple plant leaf diseases 

North Carolina State University, *ScienceDaily*

Corn gene provides resistance to multiple diseases, study shows 

North Carolina State University, *ScienceDaily*

Chemical Composition and Inhibitory Activity of Essential Oil from Decaying Leaves of *Eucalyptus citriodora* 

Daizy R. Batish et al., *Zeitschrift für Naturforschung C*

Microbiological contamination sources of freshly cultivated vegetables 

Md. Sajjad Alam et al., *Nutrition & Food Science*









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



ingenta



COUNTER  
CONSISTENT CREDIBLE COMPARABLE

[Terms and Conditions](#)

[Privacy](#)

[Information for Advertisers](#)

[Cookie Policy](#)