

Ascomycete systematics - problems and perspectives in the nineties

Plenum in cooperation with NATO Scientific Affairs Division - Molecular systematics of the Phyllachorales (ascomycota, fungi) based on 18S ribosomal DNA sequences



Description: -

- Ascomycete systematics - problems and perspectives in the nineties

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Systematics and evolution of fungi

However, its position is not resolved. Analysing these positions and possible ways to reach the goals of integration of classification and nomenclature, we found that the fundamental key to integration is the conversion of anatomical typification of the higher fungi into botanical typification. It was represented by the orders Hypocreales including Sphaerodothis, Microascales and part of the order Phyllachorales Glomerella spp.

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Indeed, the various procedures can lead to nomenclaturally complex interactions in combination of names ruled by different systems. Cell cycle regulation in the yeasts *Saccharomyces cerevisiae* and *Schizosaccharomyces pombe*.

CAB Direct

In order to save desirable names, we propose two mechanisms, which are already implicitly used by the Code. However, the mucus plugging may have represented an atypical localized form of ABPM. How should we look at anamorphs? In a next step it will have to be decided to what extent holomorphic application has to be assigned to non-connected ana-typified epithets and generic names.

Ascomycete Systematics: Problems and Perspectives in the Nineties

Problems and perspectives in the Nineties. Megoni 1986 showed that the ascospores have a thin cell wall and an apical amyloid ring, characters shared by some helotialean fungi.

Phylogenetic relationships of Sphaerophoraceae (Ascomycetes) inferred from SSU rDNA sequences, Plant Systematics and Evolution

Bottom right: Wood decay caused by *Chlorociboria aeruginascens* © Many species of the Leotiomycetes are described from the temperate Northern Hemisphere, but some members within the Leotiomycetes are patchy in their broad geographic distribution. .

Ascomycete Systematics: Problems and Perspectives in the Nineties

Orden Xylariales Se trata de un diverso grupo de hongos de ambientes tanto tropicales como templados. Anzi - eine Art der Gattung Orphniospora Koerb. The analysis also suggests that the prototunicate ascus in the Sphaerophoraceae is a reversion to the plesiomorphic state.

Caliciales, Graphidales and Teloschistales.

The primers NS1, NS2, NS3, and NS4 White et al.

Mycology Dept.: Staff

It encompassed the orders Sordariales, Xylariales including Ophiostothella , Diaporthales, the genus Magnaporthe, and part of the order Phyllachorales Coccidiella spp.

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