

A306 **Cladistic Analysis of the Polyporaceae Based on Morphological Characters**

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Cladistic analysis of the Polyporaceae was performed based on 34 morphological characters. Total ninety genera, eighty one from the Polyporaceae and nine from another families, were analyzed. Initially equal weights were given on all characters, and more analyses were performed with some characters being given two, three, four, and five weights Based on the analysis with 5 weights given on some taxonomically important characters, eighteen groups were defined and discussed.

A307 **Phylogenetic Classification and Position of *Schizopora***

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Schizopora species causing a white rot of dead hardwood have variable hymenophores from poroid, lacerate, to more or less irpicoid forms. Based on morphological characters and dimitic hyphal systems, *Schizopora* has belonged to the family Steccherinaceae but the microstructure of *Schizopora* is like the one in *Hyphodontia* of the Corticiaceae and Langer has treated these two genera all together in his monograph on *Hyphodontia* and proposed to conserve the latter genus against *Schizopora*. As few morphological characters are available for telling them apart, molecular techniques were used as means to study taxonomic and phylogenetic relationships between them. Analysis of the ITS region sequence data revealed that *Schizopora* is splitted into two groups and has a close relationship with *Hyphodontia*.