

Paolo Franchi e Mauro Marchetti

I FUNGHI CLAVARIOIDI in Italia



A.M.B.
Fondazione
Centro Studi Micologici

I FUNGHI CLAVARIOIDI in Italia (CLAVARIOID FUNGI in Italy)

PAOLO FRANCHI MAURO MARCHETTI

Translation of the keys into English by Edmondo Grilli

About 1200 pages in two volumes • 22 new taxa described • 307 clavarioid taxa treated • 199 entities described - including species, varieties and forms - and lavishly illustrated with colour photographs in habitat and of microscopic details • accurate descriptions and in-depth taxonomic and nomenclatural discussions • a host of phylogenetic trees related to ITS and LSU sequences • revision of 73 holotypes related to taxa of the Genera *Alloclavaria*, *Artomyces*, *Clavaria*, *Clavariadelphus*, *Clavicorona*, *Clavulina*, *Clavulinopsis*, *Gomphus*, *Kavinia*, *Lentaria*, *Macrotypula*, *Mucronella*, *Multiclavula*, *Phaeoclavulina*, *Pterula*, *Ramaria* (Sottogeneri *Lentoramaria* e *Ramaria*), *Ramariopsis*, *Schildia*, *Typhula*.

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Clavarioid fungi in Italy

The monograph opens with a short history of the “clavarioid fungi”, presenting an overview of the outstanding figures who, over time, have taken an interest in this kind of fungi, followed by a chapter specifically devoted to the macro-chemical reactions routinely tested in the various genera treated. Next, come the 199 profiles of clavarioid taxa that constitute the bulk of the work. After the name of the taxon and its authors, each profile includes the basionym and, if it is the case, the nomenclatural and taxonomic synonyms together with detailed information concerning typification (holotype, lectotype, epitype or neotype), including those proposed elsewhere by the authors: 15 epitypes, 14 lectotypes and 1 neotype. This is followed by the original diagnosis, the etymology of the specific epithet and the description of the taxon, which is generally based on several collections, often including the type. A number of tables summarizing spore data from the literature are added for ease of comparison. The information related to habitat, edaphic and ecological preferences, fruiting period and countries from which the taxon has been recorded to date are based on both the authors’ experience and the data from the relevant literature. There follows the list of the material studied, with specific data on places of collection, type of substrata, date of collection, collector, herbarium and herbarium accession number as well as the basic “iconographic references”.

The profile concludes with the “Notes”: the taxonomic notes place emphasis on the macro- and microscopic characters crucial to a correct determination of the taxon dealt with and on what best distinguishes it from its close allies, while the nomenclatural ones, added where appropriate, trace the “history” of the taxon.

All the taxa treated are lavishly illustrated and for the genera *Clavaria*, *Clavariadelphus*, *Clavulina*, *Clavulinopsis*, *Phaeoclavulina*, *Ramaria* (subgen. *Ramaria* and subgen. *Lentoramaria*), *Ramariopsis* and *Schildia* are provided the related filograms including the more than 300 sequences obtained by the authors.