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ABSTRACTS - Oral Presentations

1,303 generic names of agarics and Agaricales: Where are they now?

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1300 genus names of gilled mushrooms (regardless of taxonomic order) and Agaricales (regardless of morphology) are compiled along with basic information for each. Including names both in and out of use, the set is intended to be comprehensive and phylogenetically up-to-date. Listed information includes authors, years of publication, reasons for deprecation, type species, sequenced genes for type species, geographic origin, current names, current taxonomic placement, number of accepted species, broad morphological categories, and literature citations. Index Fungorum provides a basis for the data; most are confirmed, augmented, or corrected based on recent literature. By genus, 84% of gilled mushrooms belong to the Agaricales and 67% of the Agaricales are gilled. With automated searches of GenBank and MycoCosm, we determined that 65% of the type species of these genera have been sequenced, leaving 186 accepted genera lacking type sequence data. We summarize the morphological diversity of Agaricales, list nomenclaturally threatened and taxonomically dubious genera and families, and note under-sequenced subsets, especially cyphelloid genera and genera described from Africa and tropical Asia.