

## Outlineoffungi.org – Note 1559 *Marasmiellomyцена*

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***Marasmiellomyцена*** De la Peña-Lastra, Mateos, Kolařík, Ševčíková & Antonín

*Marasmiellomyцена* was introduced by Senanayake et al. (2023) to accommodate *M. pseudoomphaliiformis* as the type. This genus contains agaricoid, saprotrophic species with omphaloid or marasmiod basidiomata, well-developed lamellae, thin stipe, smooth spores, indistinct or absent cheilocystidia, absent pleurocystidia and present clamp connections. *Marasmiellomyцена omphaliiformis* is the other accepted species of the genus. This species was originally described as *Marasmius omphaliiformis* (Kühner and Romagnesi 1954), but phylogenetic analyses placed it in the *Porotheleaceae*. Consiglio et al. (2022) combined this species to *Porotheleum* despite its different morphology with the cypheloid genus *Porotheleum sensu stricto* by sharing its lignicolous habitat, the presence of clamp connections, sarcodimitic structure *sensu* Redhead (1987) and some metachromatic elements. Phylogenetic analyses of *Porotheleaceae* based on ITS and LSU sequences showed *Marasmiellomyцена* formed a distinct clade in the family. Na et al. (2024) confirmed the *Marasmiellomyцена* as a separate genus by ITS, nrLSU and *rpb2* analyses, described one new species *M. tomentosa* and combined *Porotheleum albodescendens* into *Marasmiellomyцена*. Thus, this genus is known from Asia (China), Europe and North America, growing on dead wood and decaying leaves. *Marasmiellomyцена* has morphological affinities with *Vizzinia*, *Pulverulina*, *Marasmiellus*, *Hemimycena*, and several mycenoid genera in *Mycenaceae* (Senanayake et al. 2023, Na et al. 2024). The taxonomic placement of *Marasmiellomyцена* is in *Porotheleaceae*, *Agaricales*, *Agaricomycetidae*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota*.

### References

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- [Redhead SA. 1987 – The \*Xerulaceae\* \(Basidiomycetes\), a family with sarcodimitic tissues. Canadian Journal of Botany 65: 1551–1562.](#)

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