Outlineoffungi.org – Note 1603 *Garcileccinum*

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Garcileccinum Ayala-Vasquez & Pérez-Moreno, **nom. inval.**

Garcileccinum was described to accommodate a newly described *Garcileccinum salmonicolor* Ayala-Vásquez, Pérez-Moreno, Pinzón (nom. inval.) and two previously described species *Leccinellum viscosum* (Halling & B. Ortiz) Mikšík and *Leccinum violaceotinctum* B. Ortiz & T.J. Baroni. It is characterized by stipitate-pileate boletoid basidiomes; pinkish salmon to mustard brown pileus with sometimes sterile margin; tubulose, cream-colored to grayish orange hymenophore; white context which oxidizes to pale gray to dark violet, pale blue green to deep blue, sometimes developing orange-pink to coral pink colors; finely floccose to scabrous stipe that is white to pale apricot colored at first, becoming pale caramel to grayish orange; and smooth fusoid to subfusoid basidiospores (Ayala-Vásquez et al. 2023). Pileipellis is variable in that two of the species have an ixotrichoderm (*G. salmonicolor* and *G. violaceotinctum*), while *G. viscosum* has a palisadal hymeniderm in a gelatinous matrix. Using nrLSU, *rpb2* and *tef1*, the genus is phylogenetically inferred to belong in the subfamily *Leccinoideae* as a distinct clade sister to *Rossbeevera pachydermis* and *Leccinellum* s.s. There appear to be three species known at present from North and Central America (Mexico, Belize). Ectomycorrhizae probable with *Pinus* and *Quercus* (Ayala-Vásquez et al. 2023).

The genus name was not validly published in Ayala-Vásquez et al. (2023) (Art. 40.1; see Arts. 40.3, 6.3, and 12.1 of the Shenzhen Code; Turland et al. 2018) due to invalidity of the name of the type species *G. salmonicolor* because the identifier "MB 834539" cited in the protologue was not issued for this name, therefore the name was not registered before publication (Arts F.5.1 and 40.7, Turland et al. 2018).

References

Ayala-Vásquez O, Pérez-Moreno J, Pinzón JP, Garibay-Orijel R et al. – 2023. Broadening the knowledge of Mexican boletes: addition of a new genus, seven new species, and three new combinations. Journal of Fungi, 9(12), 1126, 1–39.

Turland NJ, Wiersema JH, Barrie FR, Greuter W et al. 2018 – International Code of Nomenclature for algae, fungi, and plants (Shenzhen Code) adopted by the Nineteenth International Botanical Congress Shenzhen, China, July 2017. Regnum Vegetabile 159. Koeltz Botanical Books, Glashütten.

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