

Cyanoboletus Gelardi, Vizzini & Simonini, gen.nov.

IF550672

Basidiomes pileate-stipitate with tubular-poroid hymenophore, epigeal, small to medium-small, evelate; pileus tomentose to glabrous, dry to slightly tacky; hymenophore adnate to depressed around the stipe, yellow to olive-green; stipe surface smooth to pruinose, transversely streaked-scissurate or occasionally reticulate; context yellowish, often reddish-tinged at the base; tissues instantly discoloring dark indigo blue to blue-blackish when handled or injured; taste mild; spore print olive-brown; basidiospores smooth, ellipsoidal to ellipsoidal-fusoid; cystidia cylindrical-fusoid to ventricose-fusoid or lageniform; pileipellis a trichodermium; hymenophoral trama bilateral-divergent of the 'Boletus-type'□; lateral stipe stratum of the 'boletoid type'□; inamyloid trama; clamp connections absent; ontogenetic development gymnocarpic.

Holotype: *Boletus pulverulentus* Opat. 1836.

Etymology: 'Cyanoboletus' (cyano = blue) is derived from Greek and refers to the deep ultramarine blue oxidation of the basidiomes

Cyanoboletus pulverulentus (Opat.) Gelardi, Vizzini & Simonini, comb.nov.

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Basionym: *Boletus pulverulentus* Opat., *Arch. Naturgesch.* **2**(1): 27 (1836)

Cyanoboletus rainisii (Bessette & O.K. Mill.) Gelardi, Vizzini & Simonini, comb.nov.

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Basionym: *Boletus rainisii* Bessette & O.K. Mill., in Bessette, Roody & Bessette, *North American Boletes A Color Guide to the Fleishy Pored Mushrooms* (Syracuse): 145 (2000)

Cyanoboletus sinopulverulentus (Gelardi & Vizzini) Gelardi, Vizzini & Simonini, comb.nov.

IF550675

Basionym: *Boletus sinopulverulentus* Gelardi & Vizzini, *Sydowia* **65**: 49 (2013)