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Nomenclatural novelties: Bálint Dima, Machiel E. Noordeloos, Olga Morozova, Gerrit Jansen, Kai Reschke, Tor Erik Brandrud & Jordi Vila

Entoloma sect. *Asprella* Dima, Noordel., O.V. Morozova, Brandrud & Reschke, sect. nov.
IF 900784

Type: *Entoloma asprellum* (Fr.) Fayod 1889

Basidiomata blue or brown, exceptionally pink variants present; pileus usually distinctly translucently striate, often with a well-marked darker centre; lamella edge usually fertile, but if sterile, then of the *poliopus*-type; stipe glabrous as if polished, often blue or steel-grey.

Etymology: Named after the type species of the section.

Notes: Belongs to subgen. *Cyanula*.

Entoloma sect. *Atrocoerulea* Dima, Noordel., O.V. Morozova, Brandrud & Reschke, sect. nov.
IF 900785

Type: *Entoloma atrocoeruleum* Noordel. 1987

Basidiomata dark coloured, blue-black to brown; pileus opaque, not translucently striate; lamella edge fertile, heterogeneous or sterile of the *poliopus*-type; stipe glabrous, polished or fibrillose.

Etymology: Named after the type species of the section.

Notes: Belongs to subgen. *Cyanula*.

Entoloma sect. *Caesiocincta* Dima, O.V. Morozova & Noordel., sect. nov.
IF 900786

Type: *Entoloma caesiocinctum* (Kühner) Noordel. 1982

Basidiomata variable in colour; lamella edge usually of the *carneogriseum*-type, sometimes with wider, clavate terminal elements resembling the *poliopus*-type; stipe polished.

Etymology: Named after the type species of the section.

Notes: Belongs to subgen. *Cyanula*.

Entoloma sect. *Carneogrisea* Dima, O.V. Morozova & Noordel., sect. nov.
IF 900787

Type: *Entoloma carneogriseum* (Kühner) Noordel. 1987

Basidiomata brown or tinged blue; pileus typically granulose to minutely squamulose, and at the same time often translucently striate; lamella edge of the *carneogriseum*- or *poliopus*-type, heterogeneous or fertile; stipe polished.

Etymology: Named after the type species of the section.

Notes: Belongs to subgen. *Cyanula*.

Entoloma sect. *Griseocyanea* Dima, Noordel., O.V. Morozova, Brandrud & Reschke, sect. nov.
IF 900788

Type: *Entoloma griseocyaneum* (Fr.) P. Kumm. 1871

Basidiomata blue, violaceous, or brown; pileus opaque, entirely tomentose-squamulose; lamella edge either fertile or sterile, of *poliopus*- or *carneogriseum*-type, pigmented or not; stipe fibrillose.

Etymology: Named after the type species of the section.

Notes: Belongs to subgen. *Cyanula*.

Entoloma sect. Phaeodisca Dima, Vila & Noordel., sect. nov.

IF 900789

Type: *Entoloma phaeodiscum* Vila & F. Caball. 2007

Basidiomata blue or brown; pileus surface minutely granulose-fibrillose, often not distinctly squamulose; lamella edge fertile or of the carneogriseum-type; stipe polished or with innate fibrils; basidiospores small, less than 10 µm long.

Etymology: Named after the type species of the section.

Notes: Belongs to subgen. *Cyanula*.

Entoloma sect. Poliopodes Dima, Noordel., O.V. Morozova, Brandrud & Reschke, sect. nov.

IF 900790

Type: *Entoloma poliopus* (Romagn.) Noordel. 1979

Basidiomata rather variable in colour, within one species frequently blue, brown or pink forms may be encountered; lamella edge of the poliopus-type, rarely fertile; stipe polished.

Etymology: Named after the type species of the section.

Notes: Belongs to subgen. *Cyanula*.

Entoloma sect. Reinwaldia Dima & Noordel., sect. nov.

IF 900791

Type: *Entoloma reinwaldii* Noordel. & Hauskn. 2000

Basidiomata pale coloured, whitish, tinged ochre, cream to pink; lamella edge usually sterile of the poliopus or sodale-type; stipe polished or innately fibrillose.

Etymology: Named after the type species of the section.

Notes: Belongs to subgen. *Cyanula*.

Entoloma subsect. Allosperma Dima & Noordel., subsect. nov.

IF 900792

Type: *Entoloma allospermum* Noordel. 1985

Basidiomata brown with a poliopus-type lamella edge of a heterogeneous to fertile lamella edge; stipe blue, fading with age, polished; cheilocystidia often septate with relatively short and broad terminal elements.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Poliopodes*.

Entoloma subsect. Asprella Dima & Noordel., subsect. nov.

IF 900793

Type: *Entoloma asprellum* (Fr.) Fayod 1889

Pileus brown; lamella edge fertile; stipe blue or steel grey, polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Asprella*.

Entoloma subsect. Atrocoerulea Dima & Noordel., subsect. nov.

IF 900794

Type: *Entoloma atrocoeruleum* Noordel. 1987

Pileus usually brown to almost black, blue only in the type species, then quickly loosening its blue tinge with age; tomentose at first then breaking up in squamules, not or indistinctly translucently striate; lamella edge fertile or heterogeneous; stipe blue, rarely brown, polished or fibrillose-striate.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Atrocoerulea*.

Entoloma subsection. *Brunneoserrulata* Dima & Noordel., subsection. nov.

IF 900795

Type: *Entoloma brunneoserrulatum* Eyssart. & Noordel. 2002

Basidiomata blue with a polioopus-type lamella edge, normally unpigmented, but in time (partly) with brown necropigment; stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Poliopodes*.

Entoloma subsection. *Caesiocincta* Dima, O.V. Morozova & Noordel., subsection. nov.

IF 900796

Type: *Entoloma caesiocinctum* (Kühner) Noordel. 1982

Basidiomata grey-brown, occasionally with blue tinge at margin of pileus; lamella edge of the carneogriseum-type, terminal elements up to 10–20 µm wide, subcylindrical to clavate, rarely lageniform; stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Caesiocincta*.

Entoloma subsection. *Cistocruentata* Dima, Vila & Noordel., subsection. nov.

IF 900797

Type: *Entoloma cistocruentatum* Vila, Noordel. & Dima 2022

Basidiomata dark blue; lamella edge fertile; stipe polished; stipe innately fibrillose to subsquamulose.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Asprella*.

Entoloma subsection. *Coraces* Dima, Brandrud, O.V. Morozova & Noordel., subsection. nov.

IF 900798

Type: *Entoloma coracis* Brandrud, Dima, Noordel., G.M. Jansen & Vila 2021

Basidiomata blue or brown; occasionally pink; pileus opaque, not translucently striate; lamella edge of the porphyrogriseum-type; stipe fibrillose or polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Cyanula*.

Entoloma subsection. *Cyaneolilacina* Dima, J.B. Jordal, Brandrud & Noordel., subsection. nov.

IF 900799

Type: *Entoloma cyaneolilacinum* Noordel., J.B. Jordal, Brandrud & Dima 2021

Basidiomata deep blue; lamella edge fertile; stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Asprella*.

Entoloma subsection. *Cyanula* Dima & Noordel., subsection. nov.

IF 900800

Type: *Entoloma serrulatum* (Fr.) Hesler 1967

Basidiomata with dominant blue or violaceous pigments, pileus opaque, not translucently striate; pink variants occur frequently; lamella edge of the serrulatum-type; stipe polished or longitudinally fibrillose.

Etymology: Named after the subgenus and section where the type species of them belong to.

Notes: Belongs to sect. *Cyanula*.

Entoloma subsect. *Dislocata* Dima, Vila & Noordel., subsect. nov.

IF 900801

Type: *Entoloma dislocatum* Vila, Dima & Noordel. 2022

Basidiomata blue; lamella edge of the carneogriseum-type; stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Caesiocincta*.

Entoloma subsect. *Exilia* Dima & Noordel., subsect. nov.

IF 900802

Type: *Entoloma exile* (Fr.) Hesler 1967

Pileus some shade of brown or blue; lamella edge of the poliopus-type or heterogeneous, with scattered to abundant cheilocystidia mixed with basidia; stipe often with an orange blotch at the base, particularly when bruised; polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Asprella*.

Entoloma subsect. *Formosa* Dima & Noordel., subsect. nov.

IF 900803

Type: *Entoloma formosum* (Fr.) Noordel. 1985

Pileus vividly orange-yellow, yellow-brown or reddish brown, exceptionally dark grey to almost black, never truly blue; lamella edge either fertile, heterogeneous or of the poliopus-type; stipe polished or finely fibrillose to pruinose.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Fuliginosa*.

Entoloma subsect. *Fuliginosa* Dima & Noordel., subsect. nov.

IF 900804

Type: *Entoloma sarcitulum* (P.D. Orton) Arnolds 1982

Pileus yellow brown, brown or grey, usually translucently striate and squamulose in central part, rarely entirely fibrillose-tomentose; lamella edge of poliopus-type, heterogeneous or fertile; stipe polished.

Etymology: *fuliginosus* (Lat.) - brown, referring to the dominant colours of the basidiomata in this subsection.

Notes: Belongs to sect. *Fuliginosa*.

Entoloma subsect. *Glaucobases* Dima & Noordel., subsect. nov.

IF 900805

Type: *Entoloma glaucobasis* Huijsman ex Noordel. 1985

Pileus brown, squamulose, not or indistinctly translucently striate; lamella edge of the sodale-type; stipe fibrillose-floccose.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Griseocyanea*.

Entoloma subsect. *Griseocyanea* Dima & Noordel., subsect. nov.

IF 900806

Type: *Entoloma griseocyaneum* (Fr.) P. Kumm. 1871

Basidiomata robust, often with both blue and brown phenotypes; pileus densely squamulose, usually not translucently striate; lamella edge fertile or of the polioopus-type; stipe usually distinctly fibrillose to floccose, not polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Griseocyanea*.

Entoloma subsect. *Incana* Dima, O.V. Morozova & Noordel., subsect. nov.

IF 900807

Type: *Entoloma incanum* (Fr.) Hesler 1967

Basidiomata with vivid green, yellow-green or olivaceous tinges, often turning bluish green when bruised; lamella edge fertile; stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Fuliginosa*.

Entoloma subsect. *Isborscana* Dima, O.V. Morozova & Noordel., subsect. nov.

IF 900808

Type: *Entoloma isborscanum* O.V. Morozova, Noordel., Dima, G.M. Jansen & Reschke 2021

Basidiomata brown; pileus opaque, not translucently striate; lamella edge of the sodale-type; stipe tinged blue, fibrillose.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Cyanula*.

Entoloma subsect. *Mougeotia* Dima & Noordel., subsect. nov.

IF 900812

Type: *Entoloma mougeotii* (Fr.) Hesler 1967

Basidiomata lilaceous-violaceous; lamella edge of the carneogriseum-type, pigmented or not; stipe fibrillose.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Griseocyanea*.

Entoloma subsect. *Mutabilipedes* Dima & Noordel., subsect. nov.

IF 900813

Type: *Entoloma mutabilipes* Noordel. & Liiv 1992

Basidiomata rather variable in colour, from pale brown to pale blue; lamella edge fertile or (in part) sterile with clusters of cheilocystidia (polioopus-type); stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Poliopodes*.

Entoloma subsect. *Ochromicacea* Dima & Noordel., subsect. nov.

IF 900814

Type: *Entoloma ochromicaceum* Noordel. & Liiv 1992

Basidiomata brown; pileus entirely granulose-squamulose, opaque, not translucently striate; lamella edge of the polioopus-type; stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Cyanula*.

Entoloma subsect. *Pallidostriata* Dima, Vila & Noordel., subsect. nov.

IF 900815

Type: *Entoloma pallidostriatum* Vila, Noordel. & Dima 2021

Basidiomata pale coloured; pileus deeply translucently striate; lamella edge of the carneogriseum-type; stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Caesiocincta*.

Entoloma subsect. *Perasprella* Dima & Noordel., subsect. nov.

IF 900816

Type: *Entoloma perasprellum* Corriol, Dima, O.V. Morozova, J.B. Jordal & Noordel. 2021

Pileus brown; lamella edge sterile of the poliopus-type or fertile; stipe brown or blue when young, but soon turning brown, polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Atrocoerulea*.

Entoloma subsect. *Perfidodisca* Dima, Vila & Noordel., subsect. nov.

IF 900817

Type: *Entoloma perfidodiscum* Vila 2021

Pileus rather dark grey to grey-brown, densely tomentose, not translucently striate; lamella edge heterogeneous; stipe not truly polished but with fine, scattered, appressed fibrils; basidiospores well over 10 µm long.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Asprella*.

Entoloma subsect. *Poliopodes* Dima & Noordel., subsect. nov.

IF 900818

Type: *Entoloma poliopus* (Romagn.) Noordel. 1979

Basidiomata mostly dark blue or brown pigmented, with occasional pink variants; lamella edge of the poliopus-type; stipe polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Poliopodes*.

Entoloma subsect. *Porphyrogrisea* Dima & Noordel., subsect. nov.

IF 900819

Type: *Entoloma porphyrogriseum* Noordel. 1987

Basidiomata blue or brown, occasionally pink; pileus translucently striate or not; lamella edge of the porphyrogriseum-type; stipe polished to finely pruinose; basidiospores small, in average 8–10 µm long.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. *Cyanula*.

Entoloma subsect. *Queletia* Dima & Noordel., subsect. nov.

IF 900820

Type: *Entoloma queletii* (Boud.) Noordel. 1983

Basidiomata pallid: white, ochre or pinkish, sometimes with ephemeral lilac tinges on the pileus; lamella edge of the carneogriseum-type; stipe fibrillose or polished.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. Caesiocincta.

Entoloma subsect. Rhynchocystidiata Dima & Noordel., subsect. nov.

IF 900821

Type: *Entoloma rhynchocystidiatum* Noordel. & Liiv. 1992

Basidiomata blue, brown or pink; pileus not translucently striate; lamella edge of the rhynchocystidiatum-type with rather pronounced and large, fusiform, clavate to lageniform or clavate-mucronate cheilocystidia; stipe polished or fibrillose.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. Cyanula.

Entoloma subsect. Rivipollensia Dima, Vila, O.V. Morozova & Noordel., subsect. nov.

IF 900822

Type: *Entoloma rivipollense* Vila 2021

Pileus either blue or brown; lamella edge fertile or heterogeneous with scattered clavate cheilocystidia; stipe blue, polished; spores small, well under 10 µm long.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. Asprella.

Entoloma subsect. Turci Dima & Noordel., subsect. nov.

IF 900823

Type: *Entoloma turci* (Bres.) M.M. Moser 1978

Pileus brown to dark brown occasionally pure pink; velvety-squamulose or rugulose in the brown phenotypes; more or less glabrous, translucently striate in the pink phenotypes; lamella edge either of the poliopus-type or fertile; stipe finely fibrillose.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. Fuliginosa.

Entoloma subsect. Uranochroa Dima & Noordel., subsect. nov.

IF 900824

Type: *Entoloma uranochroum* Hauskn. & Noordel. 1999

Basidiomata blue, brown, or almost white, pileus entirely tomentose-squamulose, not translucently striate; lamella edge of the rhynchocystidiatum-type; stipe polished or fibrillose.

Etymology: Named after the type species of the subsection.

Notes: Belongs to sect. Cyanula.

Entoloma sect. Caesicaules (Largent) Dima, Noordel., O.V. Morozova, Brandrud & Reschke, comb. nov.

IF 900825

Basionym: *Leptonia* sect. *Caesicaules* Largent, *Entolomatoid* fungi of the Western United States and Alaska: 93 (1994)

Notes: Belongs to subgen. Cyanula.

Entoloma sect. Fuliginosa (Romagn.) Noordel., comb. nov.

IF 900826

Basionym: *Rhodophyllus* sect. *Fuliginosi* Romagn., Bulletin Mensuel de la Société Linnéenne de Lyon 43(9): 329 (1974)

Notes: Belongs to subgen. *Cyanula*.