

## Index Fungorum no. 16

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Nomenclatural novelties : R. Greg Thorn

**Hohenbuehelia concurrens** (Drechsler) Thorn, comb.nov.

**IF550127**

Basionym: *Nematoctonus concurrens* Drechsler, *Mycologia* **41**(4): 382 (1949)

Teleomorph unknown

**Hohenbuehelia haptoclada** (Drechsler) Thorn, comb.nov.

**IF550128**

Basionym: *Nematoctonus haptocladus* Drechsler, *Mycologia* **38**(1): 19 (1946)

Teleomorph unknown

**Hohenbuehelia leiospora** (Drechsler) Thorn, comb.nov.

**IF550129**

Basionym: *Nematoctonus leiosporus* Drechsler, *Phytopathology* **31**: 779 (1941)

Teleomorph unknown

**Hohenbuehelia leptospora** (Drechsler) Thorn, comb.nov.

**IF550130**

Basionym: *Nematoctonus leptosporus* Drechsler, *J. Wash. Acad. Sci.* **33**: 188 (1943)

A culture identified as *Nematoctonus leptosporus* was isolated from a fruiting body of an unidentified *Hohenbuehelia* (RGT 010810/02 from La Selva, Costa Rica; Koziak et al. *Can. J. Bot.* **85**: 749-761, 2007); *H. leptospora* is now the correct name for that collection

**Hohenbuehelia subreniformis** (Thorn & G.L. Barron) Thorn, comb.nov.

**IF550131**

Basionym: *Nematoctonus subreniformis* Thorn & G.L. Barron, *Mycotaxon* **25**(2): 364 (1986)

Teleomorph unknown

**Hohenbuehelia tripolitania** (Giurma & R.C. Cooke) Thorn, comb.nov.

**IF550132**

Basionym: *Nematoctonus tripolitanius* Giurma & R.C. Cooke, *Trans. Br. mycol. Soc.* **59**(2): 215 (1972)

Teleomorph unknown

**Hohenbuehelia tylospora** (Drechsler) Thorn, comb.nov.

**IF550133**

Basionym: *Nematoctonus tylosporus* Drechsler, *Phytopathology* **31**: 779 (1941) Teleomorph unknown. Koziak et al. (*Can. J. Bot.* **85**: 762-773, 2007) placed 13 of 15 validly published names in *Nematoctonus* Drechsler (*Phytopathology* **31**: 779, 1941; IF9088), including an isolate identified as the type species *N. tylosporus* (IF288765), in a monophyletic group including the type of *Hohenbuehelia* Schulzer (in Schulzer, Kanitz & Knapp, *Verh. zool.-bot. Ges. Wien* **16**(Abh.): 45, 1866; IF17768). A quick search of Bibliography of Systematic Mycology found 19 records for *Nematoctonus* and 182 for *Hohenbuehelia* since 1983. There is pharmaceutical interest in *Hohenbuehelia*, but no papers on this using the name *Nematoctonus*. *Hohenbuehelia* is thus the correct generic name under the convention of one fungus - one name. New combinations in *Hohenbuehelia* are made herein for species of *Nematoctonus* for which no teleomorph is known, and the correct teleomorph names for the remaining species of *Nematoctonus* are listed below.

*Nematoctonus angustatus* Thorn & G.L. Barron 1986 (IF102978) = *Hohenbuehelia angustata* (Berk.) Singer (IF298465). The type of the anamorph name was derived from a cultured fruiting body identified as *Hohenbuehelia angustata*.

*Nematoctonus brevisporus* Thorn & G.L. Barron 1986 (IF103604) = *Hohenbuehelia unguicularis* (Fr.) O.K. Mill., in Thorn 1986 (IF491661). The type of the anamorph name was derived from a cultured fruiting body identified as *Hohenbuehelia unguicularis*. The conidial state of *Hohenbuehelia pinacearum* Thorn 1986 (IF104308) is morphologically indistinguishable.

*Nematoctonus campylosporus* Drechsler 1954 (IF301796) = *Hohenbuehelia portegna* (Speg.) Singer 1951 (IF298484). A culture matching this anamorph description was isolated from a specimen identified as *H. portegna*.

*Nematoctonus cylindrosporus* Thorn & G.L. Barron 1986 (IF103605) = *Hohenbuehelia auriscalpium* (Maire) Singer 1951 (IF298469). The type of the anamorph name was derived from a cultured fruiting body identified as *Hohenbuehelia auriscalpium*.

*Nematoctonus geogenius* Thorn & G.L. Barron 1986 (IF103606) = *Hohenbuehelia petaloides* (Bull.) Schulzer 1866 (IF119416). The type of the anamorph name was derived from a cultured fruiting body identified as *Hohenbuehelia petaloides* ss. Bull. non auct. The conidial state of *Hohenbuehelia tremula* (Schaeff.) Thorn & G.L. Barron 1986 (IF103435) is morphologically indistinguishable.

*Nematoctonus hamatus* Thorn & G.L. Barron 1986 (IF103607) = *Hohenbuehelia mastrucata* (Fr.) Singer 1951 (IF414930). The

type of the anamorph name was derived from a cultured fruiting body identified as *Hohenbuehelia mastrucata*.

*Nematoctonus lignicola* Salonen & Ruokola 1968 (nom. inval. Art. 37.1) (IF335108). Not recombined in *Hohenbuehelia*.

*Nematoctonus pachysporus* Drechsler 1943 (IF288764) = *Hohenbuehelia izonetae* Singer 1989 (IF124854). A culture matching this anamorph description was isolated from a cultured fruiting body identified as *H. izonetae*.

*Nematoctonus robustus* F.R. Jones 1964 (IF335109) = *Hohenbuehelia atrocoerulea* (Fr.) Singer 1951 (IF298468). A culture matching this anamorph description was isolated from a cultured fruiting body identified as *H. atrocarulea*. The conidial states of *Hohenbuehelia approximans* (Peck) Singer 1951 (IF298466), *Hohenbuehelia cyphelliformis* (Berk.) O.K. Mill., in Thorn 1986 (IF129835), and *Hohenbuehelia grisea* (Peck) Singer 1951 (IF298476) are all morphologically indistinguishable