

CBS Biodiversity Series 10

Atlas of Soil Ascomycetes

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70. *HIEMSIDIA* Svrček, Česká Mykol. 23: 83. 1969.

Anamorph: Unknown.

Ascomata solitary to gregarious, small, discoid (apothecial) or spherical, sessile; outer surface bearing clusters of short, brown, obtuse, septate hairs. Excipulum two-layered, ectal layer of *textura globulosa-angularis*, medullary layer of *textura intricata*. Hymenium bright orange to red. Asci unitunicate, 8-spored, operculate, non-amyloid, hyaline, cylindrical, lower stipitate, not protruding at maturity; paraphyses cylindrical to clavate. Ascospores one-celled, hyaline, ellipsoidal, coarsely ornamented, with oil drops.

Type species: *Hiemsia pseudoampezzana* (Svrček) Svrček

REFERENCES: Svrček (1969), Korf (1972), Fort & Guarro (1986).

The genus *Hiemsia* differs from *Melastiza* Boud. in its delicately marked spores with a single, large oil drop instead of the coarsely ridged to reticulate, biguttulate spores found there. Only two species of *Hiemsia* have been reported thus

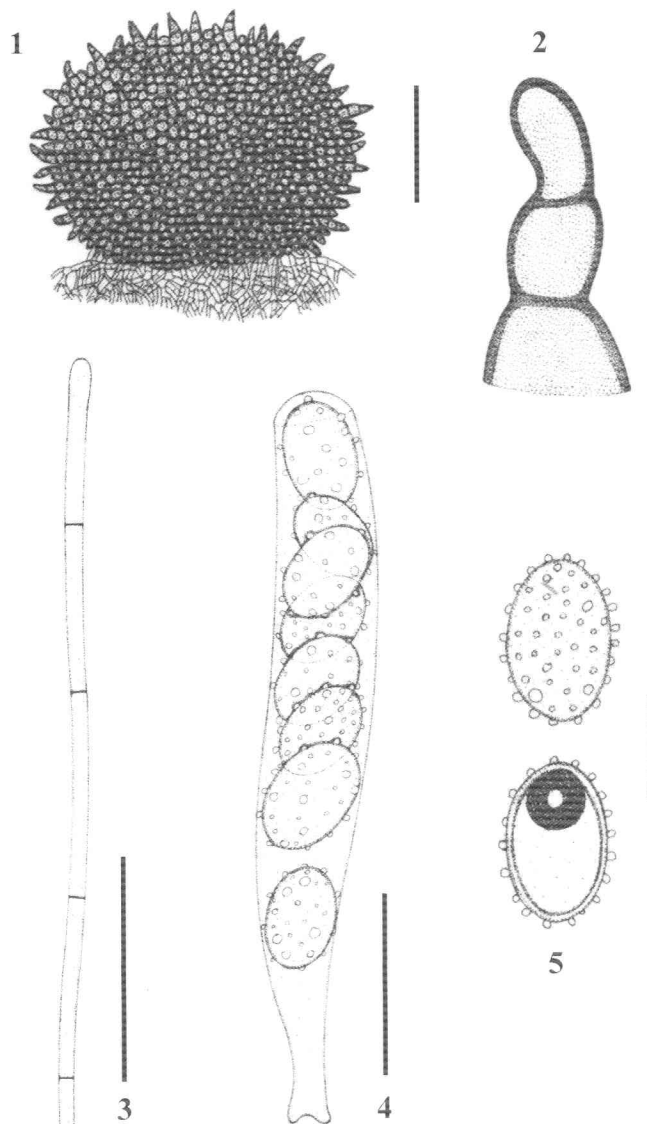
far, but only *H. cleistocarpa* has been found in soil.

Hiemsia cleistocarpa Fort & Guarro, Int. J. Mycol. Lichenol. 3: 155. 1986.

Colonies growing rapidly, mycelium consisting of aggregates of branching chains of globose to subglobose or doliiform and subhyaline to light brown monilioid cells. Ascomata superficial, scattered to subgregarious, closed, fleshy, brown, spherical, 220–1050 µm diam, tomentose; hairs in fascicles, unbranched, 1–3 celled, flexuous or often straight, ends obtuse, 5–50 x 6–15 µm, walls smooth and brown. Excipulum brown, 30–60 µm thick, *textura angularis*, cells 4–40 µm diam. Hymenium white to pale yellow. Asci broad cylindrical, 67–110 x 15–18 µm; paraphyses slender, septate, unbranched, 2 µm wide, apex subclavate, 3–5 µm diam. Ascospores broadly ellipsoidal, 11–14 x 8.8–10 µm, warted, uniguttulate, with sometimes a prominent de Bary bubble.

DISTRIBUTION: Spain.

REFERENCE: Fort & Guarro (1986).



Hiemsia cleistocarpa. 1. Ascoma. 2. Peridial hair. 3. Paraphyse. 4. Ascus. 5. Ascospores. Bars: 1= 250 µm; 2, 5= 10 µm ; 3, 4= 25 µm.