

Diadocidiidae

Peter J. Chandler (1998 Checklist: Peter J. Chandler)

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Diagnosis: Small (3-4.5 mm), yellowish to dark brown gnats with unmarked wings and a characteristic venation. Head and eyes small; three ocelli present; antenna slender with 2 + 14 segments. Thorax humpbacked. Wing membrane covered with macrotrichia; vein Sc ending in costa; Rs unbranched, R_{2+3} absent; M_{1+2} branched as a median fork; crossveins r-m, bm-m and m-Cu in a nearly straight vertical line, so that M_4 and CuA do not obviously form a posterior fork. Legs slender, coxae elongate, tibiae with apical spurs.

Biology: The larvae are found in and beneath moist decaying wood, associated with fungal growth, and live within mucous tubes. Adults are found in moist and shaded woodland habitats.

Nomenclature and classification: According to Fauna Europaea (Chandler 2005).

Number of species: CH: 3 (1998 Checklist: 3),

AT: 3, BE: 2, CZ: 5, DE: 2, FR: 3, GB: 3, HU: 4, IT: 3, NL: 2, SK: 5, Europe: 6, World: 24.

Level of faunistic knowledge in Switzerland: Moderate. There have been no changes to the list in Chandler (1998), but other species could occur: *Diadocidia trispinosa* Polevoi, 1996 and *D. fissa* Zaitzev, 1994 have been recorded from the Czech Republic (Ševčík, 2001, 2006), and *D. setistylus* Papp, 2003 was described from Hungary (Papp, 2003).

General references: Bechev & Chandler (2011) [world catalogue], Hutson et al. (1980) [keys, British species, same as in Switzerland], Papp (2003) [description of *Diadocidia setistylus*], Polevoi (1996) [description of *Diadocidia trispinosa*], Sjøli et al. (2000) [keys, families and genera of Sciaroidea], Zaitzev (1994) [keys, Russian species].

References to the Swiss fauna: Chandler (1998).

Checklist

Diadocidia Ruthé, 1831

(*Adidocidia* Laštovka & Matile, 1972)

- *valida* Mik, 1874 !

(*Diadocidia* s.str.)

- *ferruginosa* (Meigen, 1830) !

- *spinosa* Tolle, 1948 !

References

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