

## Restudy of a 19-th-century dinoflagellate cyst hoiotype from the Polish Upper Jurassic

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Results are presented of a re-examination of the holotype of *Xanthidium penicillatum*, a species of dinoflagellate cyst first reported by Ehrenberg (1843) from the Corallian of Poland and validly published by him in 1854. It is shown to correspond exactly in morphology with *Systematophora fasciculigera* (Klement, 1960), from the Upper Jurassic of Germany. The new combination *Systematophora penicillata* (Ehrenberg, 1854) is proposed and *S. fasciculigera* is rejected as a subjective junior synonym.

**Key words:** Dinoflagellata, taxonomy, Upper Jurassic, Poland.

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