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Grzegorz Worobiec, Frank Harald Neumann, Elżbieta Worobiec, Verena Nitz, Christoph Hartkopf-Fröder



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**New fungal cephalothecoid-like fructifications from central European Neogene deposits**

Grzegorz Worobiec<sup>1\*</sup>, Frank Harald Neumann<sup>2</sup>, Elżbieta Worobiec<sup>1</sup>, Verena Nitz<sup>2</sup>, Christoph Hartkopf-Fröder<sup>3</sup>

<sup>1</sup> W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Kraków, Poland, e-mail: g.worobiec@botany.pl, [e.worobiec@botany.pl](mailto:e.worobiec@botany.pl)

\* Corresponding author

<sup>2</sup> Forschungsstelle für Paläobotanik, University of Münster, Heisenbergstrasse 2, D-48149 Münster, Germany, emails: [fnem\\_01@uni-muenster.de](mailto:fnem_01@uni-muenster.de), [verena.nitz@gmail.com](mailto:verena.nitz@gmail.com)

<sup>3</sup> Geological Survey North Rhine-Westphalia, De-Greif-Str. 195, D-47803 Krefeld, Germany, e-mail: [hartkopf-froeder@gd.nrw.de](mailto:hartkopf-froeder@gd.nrw.de)

**Abstract**

Some fragments of cephalothecoid fructifications (peridia) were encountered during palynological investigations of Neogene deposits in Mizerna-Nowa/Poland and Adendorf/Germany. Isolated plates of cephalothecoid ascoma which shape and cellular structure similar to the extant members of the family *Cephalothecaceae* were described as *Cephalothecoidomyces neogenicus* fossil gen. et sp. nov. while remnants of fungal sporocarps with cephalothecoid wall with indistinct lines of dehiscence, similar in structure to peridia with cephalothecoid morphology of extant representatives the family Chaetomiaceae (mainly genus *Chaetomidium*) were assigned to *Adendorfia miocenica* fossil gen. et sp. nov. We also propose a new interpretation of some previously described fossil fungal taxa that we consider to be remnants of cephalothecoid ascomata.

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