

Biting midges from early Eocene amber of Oise, France, have no connection to other Eocene faunas

Ryszard Szadziewski, Maxime Santer, Andre Nel, Ewa Krzemińska, Katarzyna Kopeć, Wiesław Krzemiński, and Agnieszka Soszyńska

Acta Palaeontologica Polonica 71 (1), 2026: 51-68 doi:10.4202/app.01223.2024


This study presents a study of biting midge (Diptera: Ceratopogonidae) fauna from early Eocene amber of Oise, Paris Basin, France. The fauna comprise eight species, all of them new to science: *Eosphaeromias eocenicus* Szadziewski, Santer, Nel, & Krzemińska gen. et sp. nov. *Leptoconops oisensis* Szadziewski, Santer, Nel, & Krzemiński sp. nov., *Brachypogon (Isohelea) europaeus* Szadziewski, Santer, Nel, & Krzemiński sp. nov.; *Brachypogon (Isohelea) oisensis* Szadziewski, Santer, Nel, & Krzemiński sp. nov.; *Brachypogon (Brachypogon) parisiensis* Szadziewski, Santer, Nel, & Krzemiński sp. nov., *Stilobezzia (Acanthohelea) eocenica* Szadziewski, Santer, Nel, & Krzemiński sp. nov., *Forcipomyia oisensis* Szadziewski, Santer, Nel, & Krzemiński sp. nov., and *Dasyhelea eocenica* Szadziewski, Santer, Nel, & Krzemiński sp. nov. The fauna of biting midges from early Eocene Oise forests (53 Ma) shows a low diversity and has no common species with the well-studied middle Eocene fauna of Baltic amber forests (c. 40 Ma).

Key words: Diptera, Ceratopogonidae, new genus, new species, palaeoecology, Ypresian.

Ryszard Szadziewski [ryszard.szadziewski@ug.gda.pl]; ORCID: <https://orcid.org/0000-0002-2899-6861>], Department of Invertebrate Zoology and Parasitology, University of Gdańsk, Wita Stwosza 59, 80-308 Gdańsk, Poland. Maxime Santer [msantesal3@alumnes.ub.edu]; ORCID: <https://orcid.org/0000-0002-3685-4716>], Departament de Dinàmica de la Terra i de l'Oceà, Facultat de Ciències de la Terra, Universitat de Barcelona, Martí i Franqués, s/n, 08028 Barcelona, Spain. Andre Nel [anel@mnhn.fr]; ORCID: <https://orcid.org/0000-0002-4241-7651>], Institut de Systématique, Évolution, Biodiversité (ISYEB) Muséum national d'Histoire naturelle, CNRS, Sorbonne Université, EPHE, Université des Antilles, CP50, 57 rue Cuvier 75005, Paris, France. Ewa Krzemińska [ekrzeminska9@gmail.com]; ORCID: <https://orcid.org/0000-0002-3431-9963>] (corresponding author), Katarzyna Kopeć [kopec1981@gmail.com]; ORCID: <https://orcid.org/0000-0001-6449-3412>], and Wiesław Krzemiński [wieslawk4@gmail.com]; ORCID: <https://orcid.org/0000-0001-5685-891X>], Institute of Systematics and Evolution of Animals, Polish Academy of Sciences, Sławkowska 17, 31-016 Kraków, Poland. Agnieszka

Soszyńska [agnieszka.soszynska@biol.uni.lodz.pl]; ORCID: <https://orcid.org/0000-0002-2661-6685>],
Department of Invertebrate Zoology and Hydrobiology, University of Lodz, Banacha12/16, 90-237 Łódź,
Poland.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see creativecommons.org), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

 [Full text \(2,188.1 kB\)](#)