

Systematics of Chalcid wasps from Oise amber

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The Chalcidoidea is considered as the most important and the most diversified group of insects in the world. However it remains the less studied group in the Hymenoptera order. As for the contemporary taxa, there are very few described fossils of Chalcidoidea. The small size of the specimens and consequently the difficulty to observe some characters is certainly the cause of this discrimination.

We present here the study of two fossils from Oise amber (Le Quesnoy, Oise, France), one Eurytomidae (Species A gen. nov. spec. nov.) and one Chalcididae (Species B gen. nov. spec. nov.). Both were prepared with balm of Canada preparation to observe the different characters. Afterwards, they were described and integrated into phylogenetic analyses based on contemporary taxa.

Both inclusions are the oldest one ever described in their respective family. According to phylogenetic analyses they appear to be sister taxa of all the sub-families of their respective families and imply the denomination of two new sub-families.