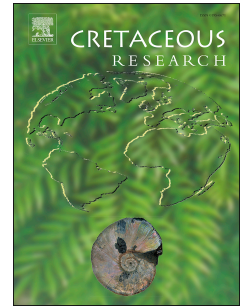


# Accepted Manuscript

Burmusculidae, a new and basal family of pompiloid wasps from the Cretaceous of Eurasia (Hymenoptera: Pompiloidea)

Qi Zhang, Alexandr P. Rasnitsyn, Haichun Zhang



PII: S0195-6671(18)30071-5

DOI: [10.1016/j.cretres.2018.07.004](https://doi.org/10.1016/j.cretres.2018.07.004)

Reference: YCRES 3917

To appear in: *Cretaceous Research*

Received Date: 20 February 2018

Revised Date: 29 May 2018

Accepted Date: 3 July 2018

Please cite this article as: Zhang, Q., Rasnitsyn, A.P., Zhang, H., Burmusculidae, a new and basal family of pompiloid wasps from the Cretaceous of Eurasia (Hymenoptera: Pompiloidea), *Cretaceous Research* (2018), doi: 10.1016/j.cretres.2018.07.004.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Burmusculidae, a new and basal family of pompiloid wasps from the Cretaceous of Eurasia**  
**(Hymenoptera: Pompiloidea)**

Qi Zhang<sup>a,b,c</sup>, Alexandr P. Rasnitsyn<sup>d,e,\*</sup>, Haichun Zhang<sup>b</sup>

<sup>a</sup> School of Geography and Tourism, Qufu Normal University, Rizhao 276826, China

<sup>b</sup> State Key Laboratory of Palaeobiology and Stratigraphy, Center for Excellence in Life and  
Paleoenvironment, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences,  
Nanjing 210008, China

<sup>c</sup> University of Chinese Academy of Sciences, Beijing 100049, China

<sup>d</sup> A.A. Borissiak Palaeontological Institute, Russian Academy of Sciences, Moscow 117647, Russia

<sup>e</sup> Natural History Museum, Cromwell Road, London SW7 5BD, UK

\*Corresponding author. Email: [alex.rasnitsyn@gmail.com](mailto:alex.rasnitsyn@gmail.com)

**Abstract**

A group of aculeate wasps from mid-Cretaceous Burmese amber is described as *Burmusculus* Zhang and Rasnitsyn, gen. nov. in Burmusculidae Zhang and Rasnitsyn, fam. nov. The type genus *Burmusculus* contains three species: *Burmusculus nuwae* Zhang and Rasnitsyn sp. nov., *Burmusculus fuxii* Zhang and Rasnitsyn, sp. nov., and *Burmusculus shennongii* Zhang and Rasnitsyn, sp. nov. It does not fit any described families and therefore is referable to a new family. The family displays some features in common with the living family Pompilidae but can be easily distinguished from Pompilidae in having the mesopleuron lacking an oblique suture. Hence it is assigned to the superfamily Pompiloidea (monotypical as yet in our understanding) as the second member.

Download English Version:

<https://daneshyari.com/en/article/8916187>

Download Persian Version:

<https://daneshyari.com/article/8916187>

[Daneshyari.com](https://daneshyari.com)