

Accepted Manuscript

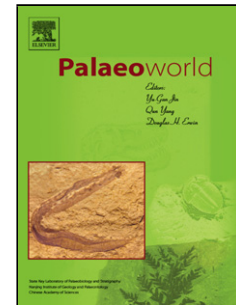
Title: New material of Xyelydidae (Hymenoptera) from the Lower Cretaceous Yixian Formation of China

Authors: Yan Zheng, Jun Chen

PII: S1871-174X(17)30152-X
DOI: <https://doi.org/10.1016/j.palwor.2018.04.001>
Reference: PALWOR 445

To appear in: *Palaeoworld*

Received date: 26-12-2017
Revised date: 22-3-2018
Accepted date: 3-4-2018



Please cite this article as: Zheng, Yan, Chen, Jun, New material of Xyelydidae (Hymenoptera) from the Lower Cretaceous Yixian Formation of China. *Palaeoworld* <https://doi.org/10.1016/j.palwor.2018.04.001>

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.

New material of Xyelydidae (Hymenoptera) from the Lower Cretaceous Yixian Formation of China

Yan Zheng ^{a, b} *, Jun Chen ^{a, b}

^a Institute of Geology and Paleontology, Linyi University, Shuangling Road, Linyi 276000, China

^b State Key Laboratory of Palaeobiology and Stratigraphy, Nanjing Institute of Geology and Palaeontology, East Beijing Road, Nanjing 210008, China

* Corresponding author. *E-mail address*: zhengyan536@163.com

Abstract

Chifengilyda robusta, a new extinct sawfly genus and new species assigned to Xyelidae, is described and figured here based on one fossil specimen from the Lower Cretaceous Yixian Formation of Ningcheng in Inner Mongolia, China. *Chifengilyda robusta* n. gen. n. sp. differs from other xyelydids in having a forewing with pterostigma completely sclerotized, Sc closer to C, Sc1 about 3 times as long as Sc2, Sc1 intersecting C far beyond Rs base, 2r-m postfurcal and cell 1mcu relatively large. This new taxon further enriches the diversity of Xyelydidae in the Early Cretaceous, and even enhances our understanding of the evolution and inter-genera and interspecies relationships of this family.

Keywords: Xyelydidae; Yixian Formation; Early Cretaceous; new taxon; taxonomy; diversity

Download English Version:

<https://daneshyari.com/en/article/8953172>

Download Persian Version:

<https://daneshyari.com/article/8953172>

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