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## Revision of the subgenus *Cosmiomorpha* (*Cosmiomorpha*) (Coleoptera: Scarabaeidae: Cetoniinae)

JIAN-YUE QIU<sup>1,2</sup>, HAO XU<sup>3,4</sup> & CHUN-LIN HU<sup>2,5</sup>

<sup>1</sup>College of Plant Protection, Southwest University, Chongqing 400716, P. R. China. E-mail: [qiujiu@yahoo.com](mailto:qiujiu@yahoo.com)

<sup>2</sup>College of Plant Protection, Nanjing Agricultural University, Nanjing 210095, P. R. China

<sup>3</sup>Administration of Mt. Simianshan, Jiangjin, Chongqing 402296, P. R. China. Email: [xu\\_titan@yahoo.com](mailto:xu_titan@yahoo.com)

<sup>4</sup>College of Plant Protection, Hunan Agricultural University, Changsha 410128, P. R. China

<sup>5</sup>Corresponding author. E-mail: [hucl@njau.edu.cn](mailto:hucl@njau.edu.cn)

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### Abstract

A taxonomic revision of the subgenus *Cosmiomorpha* (*Cosmiomorpha*) Saunders is presented. Seven species are recognized, including four described herein, *C. fortis* **new species**, *C. nigripedis* **new species**, *C. maolanensis* **new species**, and *C. cheni* **new species** all from China. *Cosmiomorpha baryi* Bourgoïn and *C. squamulosa* Schürhoff are placed as junior synonyms of *C. decliva* Janson, and *C. angulosa* Fairmaire as a synonym of *C. decliva* is also confirmed. Lectotypes are designated for *C. decliva* Janson, *C. angulosa* Fairmaire, and *C. squamulosa* Schürhoff. Color photographs and diagnoses of all species are provided, with comments on intraspecific variations. A key to males is also presented. Localities of “Siào-Lòu” and “Se Pin-Lou Chan” are discussed with a map.

**Key words:** Scarabaeidae, Cetoniinae, *Cosmiomorpha*, new species, new synonym, China

### Introduction

*Cosmiomorpha* was established by Saunders (1852), with *C. modesta* Saunders as the type species, which was collected by Fortune from eastern China. Mikšić (1974) divided this genus into two subgenera *Cosmiomorpha* (*Cosmiomorpha*) and *Cosmiomorpha* (*Microcosmiomorpha*), mainly according to the morphology of the male

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#### APPENDIX. Geographical names between Ya'an and Kangding, west of Sichuan Province, China.

There are three words used for administrative division, “Hsien”<sup>14</sup> meaning “county” as the third level of local government, under “Fu”<sup>15</sup> and “Chow”<sup>16</sup> which as prefecture level in ancient China. The geographical names are listed in alphabetical order.

Chingchi / Tsching tschi	Qingxi <sup>a</sup> , in Hanyuan <sup>b</sup> , Ya'an.
Feh-yueh-ling	Mt. Feiyueling <sup>c</sup> , between Hualin <sup>d</sup> and Yidong <sup>e</sup> .
Fu-Chuang	Fuzhuang <sup>f</sup> , in Hanyuan, by the Liushahe River <sup>g</sup> .
Hua-Lin-Ping	Hualinping <sup>h</sup> , now called Hualin, in Xinglong <sup>i</sup> , Luding <sup>j</sup> .
Lamo-she	Mt. Tianhaizishan <sup>k</sup> .
Leng-chi	Lengqi <sup>l</sup> , in Luding.
Liang ho kou	Lianghekou <sup>m</sup> , at the confluence of the Tianquanhe River <sup>n</sup> and the Angzhouhe River <sup>o</sup> .
Liangloulou	Lianglukou <sup>p</sup> , at the confluence of the Tianquanhe River and the Menkanhe River <sup>q</sup> .
Lou Chan	Lushan <sup>r</sup> , a county of Ya'an.
Luting	Luding, a county of Ganzi Tibetan Autonomous Prefecture <sup>s</sup> , by the Daduhe River <sup>t</sup> .
Lutingkiao	Ludingqiao bridge <sup>u</sup> , in Luding, over the Daduhe River.
Maan Shan / Ma an schan	Mt. Maa Shan <sup>v</sup> , between Luding and Tianquan.
Minya Gonkar	Mt. Muyagongga <sup>w</sup> , now called Mt. Gonggashan <sup>x</sup> .
Mo-si-mien	Moximian <sup>y</sup> , see Moxi.
Moxi	Moxi <sup>z</sup> , former name Moximian, in Luding.
Nitou / Ni-Tou	Nitou <sup>aa</sup> , now called Yidong, in Hanyuan, by the Liushahe River.
Se pin	Shaping, a village in Tianquan at the confluence of the Baishahe River <sup>ab</sup> and the Tianquanhe River, now called Qingshixiang <sup>ac</sup> .
Shih yang	Shiyang <sup>ad</sup> , between Tianquan and Feixianguan, by the Tianquanhe River.
Siào-Lòu / Hsiao-Loû / Siao-Lou	Xiao lu, a path from Tianquan to Luding, near Mt. Maanshan, in Tianquan.
Tai hsiang ling	Mt. Daxiangling <sup>ac</sup> .
Talu	Da Lu, a road from Ya'an to Kangding.
Tatsienlu / Ta-Chien-Lu	Dajianlu <sup>af</sup> , now called Kangding <sup>ag</sup> , a county of Ganzi Tibetan Autonomous Prefecture.
Tienchuan / Tien tschwan	Tianquan <sup>ah</sup> , a county of Ya'an, called Tianquan Chow before 1913.
Tung Ho	Tong He <sup>ai</sup> , now called Daduhe River.

13. in Chinese 近代俄國與中國西藏

14. in Chinese 县

15. in Chinese 府

16. in Chinese 州