

# 中国细长蚁属\* (膜翅目: 蚁科)

## 昆虫研究

(Wu Jian)

吴 坚 王常禄

(中国林业科学研究院林业研究所)

### 摘 要

本文对中国的细长蚁属昆虫进行了系统研究, 共计5种, 其中1新种, 1中国新纪录。文中附有中国细长蚁属昆虫工蚁种检索表。

**关键词** 分类; 膜翅目; 蚁科; 伪切叶蚁亚科; 细长蚁属

细长蚁属 *Tetraponera* Smith 昆虫隶属于伪切叶蚁亚科 Pseudomyrminae, 主要分布在非洲、大洋洲及亚洲南部, 包括中国南部和西南诸省(区)。该属昆虫全世界已知70余种。经系统研究, 除原记载的3种<sup>[2]</sup>外, 现增加1新种和1中国新纪录。模式标本保存在中国林科院昆虫标本馆。

#### 榕细长蚁 *Tetraponera microcarpa* Wu et Wang 新种

工蚁 (正模): 体长3.4mm; 头长0.72mm; 头宽0.55mm; 头比76; 头长 (含上颚) 0.80mm; 触角柄节长0.35mm; 复眼最大直径0.12mm。

头两侧几乎平直, 至眼后略收缩; 后头角圆形; 后头缘几乎平直; 触角柄节短, 仅达复眼的中部; 触角第3—11节宽大于长, 第2节和末节长大于宽, 最后4节形成棒状; 复眼大, 位于头侧中部略近前端; 唇基窄, 其前缘中央凹入, 两侧突出呈粗齿状 (图1)。前、中胸背板较平, 略凸, 两侧具边缘; 前一中胸缝清晰, 但不凹陷; 中胸一并胸腹节缝明显凹陷; 并胸腹节背板隆起, 凸且侧扁。腹柄结节前具柄, 其柄长为第1结节长度的1/2; 结节圆形, 较大, 第2结节宽大于第1结节。后腹部细长。足跗节爪简单, 无中齿。



图1 榕细长蚁 *Tetraponera microcarpa* sp. n. 唇基正面观

体光亮, 仅头前端 (包括唇基和上颚) 具细密纵刻线。柔毛和立毛稀疏, 仅触角和头前部立毛较多。

体暗红褐色; 触角、唇基、上颚及足大部黄色至黄褐色; 并胸腹节色较深; 腹柄色较浅。

变异：工蚁体长3.3—4.0mm；头长0.68—0.80mm；头宽0.55—0.59mm；头比75—80。体色变化较大，红黄色至暗红褐色。

正模：工蚁，中国广东台山，1983-VII-25，吴坚采。副模：24个工蚁，记载同正模；2个工蚁，中国江西分宜，1989-IV-26，王常禄采。广东台山标本采于榕树树洞中。

本新种与瓢细长蚁*T. allaborans*<sup>[1]</sup>极为近似。主要区别在于前者唇基前缘中央凹入，两侧突出呈粗齿状，如图1；结节前柄长为第1结节长度的1/2；而后者唇基前缘几乎直，仅有细小的齿状突；结节前柄长是第1结节长度的0.7倍。此外，新种个体较小，颜色较浅，可与之相区别。

### 黑细长蚁*Tetraponera nigra* (Jerdon) 中国新纪录

分布：中国广西(钦州、宁明、桂林)、云南(勐海、普洱、景洪)；东南亚。

### 中国细长蚁属昆虫工蚁种检索表

1. 具单眼；腹柄前端下方具齿状突[分布中国海南、云南；东南亚]……………红黑细长蚁 *T. rufonigra* (Jerdon)
- 不具单眼；腹柄下方无齿状突…………… 2
2. 头很长，约为宽的2倍[分布香港；缅甸]……………宾氏细长蚁 *T. binghami* (Forel)
- 头呈长方形，但其长决不为宽的2倍，CI至少为70…………… 3
3. 结节前柄与第1结节等长；体大，超过7mm……………黑细长蚁 *T. nigra* (Jerdon)
- 结节前柄长度明显短于第1结节的长度；体较小，不超过6mm…………… 4
4. 唇基前缘几乎直；体全为黑褐色至黑色[分布中国海南、台湾、云南、四川；东南亚]……………
- ……………瓢细长蚁 *T. allaborans* (Walker)
- 唇基前缘中央明显凹入，其两侧前角齿状突起；体红黄色至暗红褐色，并胸腹节色较深，结节色较浅……………
- ……………榕细长蚁 *T. microcarpa* Wu et Wang

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## A TAXONOMIC STUDY ON THE GENUS *TETRAPONERA* SMITH IN CHINA (HYMENOPTERA: FORMICIDAE)

Wu Jian      Wang Changlu

(Forest Research Institute, Chinese Academy of Forestry)

### Abstract

This paper presents a taxonomic study on the genus *Tetraponera* Smith, belonging to the subfamily Pseudomyrminae, in China. One species is new to science; one species is reported for the first time in China. All the type specimens are preserved in the Insect Collections of the Forest Research Institute, Chinese Academy of Forestry, Beijing, China. *Tetraponera microcarpa* Wu et Wang n. sp.

Worker (Holotype): TL 3.4mm; HL 0.72mm; HW 0.55mm; CI 76; head length with mandibles 0.80mm; scape length 0.35mm; greatest diameter of eye 0.12mm.

Head with almost parallel sides, a little narrower behind the eyes; the occipital angles round and the occipital border near straight; antennal scapes short, reaching up to the middle of eyes; antennal segments 3—11 broader than long, the 2nd and last ones longer, the last four segments forming a club; eyes large, placed at lateral and a little to the front of the middle of the head; anterior border of the clypeus as fig. 1. Pronotum and mesonotum rather flat, somewhat convex, marginate at sides; promesonotal suture distinct, unemarginate; mesoepinotal suture strongly emarginate; epinotum raised, very convex. Petiole petiolate; the length of the petiolate part half as long as the one of the 1st node; nodes rounded, the 2nd broader than the 1st. Gaster long and narrow. The tarsal claws simple, without middle teeth.

Whole body smooth and shining, densely longitudinal striation on the front of the head, including the clypeus and mandibles. Hairs and pubescence almost wanted except more at the front of the head and the tip of the gaster.

Color dark reddish brown, epinotum darker and petiole lighter; mandibles, clypeus, antennae, tibiae and tarsi yellow to yellow brown.

Variation: TL 3.3—4.0mm; HL 0.68—0.80mm; HW 0.55—0.59mm; CI 75—80. The coloration of this insect variable, from reddish yellow to

dark reddish brown.

Holotype: worker, Taishan County, Guangdong Province, 25. VIII. 1983, Wu Jian leg.. Paratypes: 24 workers, data as holotype, 2 workers, Fenyi County, Jiangxi Province, 26. IV. 1989, Wang Changlu leg.

The new species resembles *T. allaborans* (Walker), but differs from it by the shape of the clypeus, the ratio between the petiolate part and the 1st node, smaller size, and lighter color.

*Tetraponera nigra* (Jerdon) n. rec.

Distributions: Guangxi Province, and Yunnan Province of China, Southeast Asia.

Key words Taxonomy, Hymenoptera, Formicidae, Pseudomyrminae, *Tetraponera*