

## English Abstract

### ANTS OF GUANGXI

Shanyi Zhou

This book includes two sections: (I) Introduction and (II) Taxonomy. 469 figures are presented. In the first section, importance and biology of ants and ant taxonomic history in the world and in China are introduced. The second section includes ant origin, evolution and taxonomic system. The materials and methods of ant taxonomic study are introduced. 204 species, belonging to 64 genera of 8 subfamilies from Guangxi, south of China are described. 30 species are described as new to science, and 10 species are recorded in China for the first time.

Thirty new species are as below: *Amblyopone eminia* sp. nov., *Gnamptogenys coccinea* sp. nov., *Cryptopone jinxiuensis* sp. nov., *Ponera guangxiensis* sp. nov., *Ponera paedericera* sp. nov., *Leptogenys strena* sp. nov., *L. huapingensis* sp. nov., *L. hezhouensis* sp. nov., *Aenictus fuchuanensis* sp. nov., *Crematogaster ronganensis* sp. nov., *Strumigenys pilosa* sp. nov., *Cardiocondyla insutura* sp. nov., *Recurvidris glabriceps* sp. nov., *Monomorium concolor* sp. nov., *M. punctipectoris* sp. nov., *Pheidole selathorax* sp. nov., *P. ocellata* sp. nov., *Myrmecina guangxiensis* sp. nov., *Aphaenogaster pumilopuncta* sp. nov., *A. polyodonta* sp. nov., *A. subexaperata* sp. nov., *Dolichoderus rugocapitus* sp. nov., *Technomyrmex antennus* sp. nov., *Prenolepis longiventris* sp. nov., *P. angularis* sp. nov., *Paratrechina integera* sp. nov., *Pseudolasius similis* sp. nov., *Camponotus breviscapus* sp. nov., *C. auratiacus* sp. nov., *C. albivillosus* sp. nov.

10 new recorded species are: *Anochetus graeffei* Mayr, *Cryptopone sauteri* (Wheeler), *Tetraponera attenuata* F. Smith, *Pheidole smythiesii* Forel, *Oligomyrmex cribiceps* (Wheeler), *Monomorium subopacum* (F. Smith), *M. intrudens* F. Smith *Myrmecina striata* Emery, *Paratrechina picta* Wheeler, *Camponotus wasmanni* Emery.

Descriptions of the new species as below.

#### 1. *Amblyopone eminia* sp. nov. (Figs. 4~5)

Holotype worker: TL 7.7, HL 1.38, HW 1.38, CI 100, SL 0.78, SI 56, ML 1.22, MI 88, AL 1.94, PW 0.91, NW 0.84, NL 0.72.

Head as long as broad, occipital corners and anterior corners of head roundly angular, occipital border concave. Eye small, situated behind the midlength of the sides of head, about two-thirds the length from the anterior corner to the posterior corner. Mandible more than four-fifths as the length of head, widest at base, the inner border with 10 acute, bicuspid and curved teeth, apical teeth longest, the 3rd smallest, and the remaining teeth are in the same size except the basal teeth which much longer. Clypeus short, the area between frontal carinae flat, anterior border straight, each side with a large tooth, in the median portion there are 4 denticles, each with the same distance from another. Frontal lobes well forward, slightly surpassing the anterior clypeal border beneath them. Antennal scapes reaching back nearly to the level of the eyes; funiculi thickened towards the apex; the