



Designations of the lectotypes for the oriental species of the genus *Carpelimus* Leach, 1819 (Coleoptera: Staphylinidae)

MIKHAIL YU. GILDENKOV

The head of the board of ecology and chemistry of Smolensk State University, Przhevalsky str. 4, Smolensk 214000, Russia.
E-mail: mgildenkov@mail.ru

Abstract

The type material of the Oriental *Carpelimus* species from five museums have been investigated. Thirty four lectotypes are designated for the following species: *Trogophloeus bengalensis* Cameron, 1930; *T. bicolor* Cameron, 1940; *T. calcutatanus* Bernhauer, 1911; *T. chatterjeei* Cameron, 1930; *T. congruus* Cameron, 1930; *T. coriaceus* Cameron, 1930; *T. flavipennis* Cameron, 1930; *T. formosae* Cameron, 1940; *T. formosanus* Cameron, 1940; *T. foveicollis* Kraatz, 1859; *T. gratus* Cameron, 1930; *T. halophiloides* Cameron, 1918; *T. javanicus* Cameron, 1936; *T. laticeps* Cameron, 1930; *T. lepidicornis* Fauvel, 1904; *T. littoralis* Cameron, 1918; *T. louwerensi* Cameron, 1938; *T. lucens* Cameron, 1918; *T. nitidipennis* Cameron, 1919; *T. palitans* Cameron, 1930; *T. pallidicornis* Cameron, 1945; *T. papuensis* Fauvel, 1879; *T. piceicollis* Cameron, 1930; *T. planicollis* Bernhauer, 1902; *T. praelongus* Bernhauer, 1938; *T. pusae* Cameron, 1930; *T. ruficornis* Cameron, 1930; *T. rufoniger* Cameron, 1945; *T. sadiyanus* Cameron, 1945; *T. saigonensis* Cameron, 1940; *T. scabrosus* Kraatz, 1859; *T. simplex* Motschulsky, 1857; *T. taprobanae* Walker, 1859; *T. trivialis* Cameron, 1930. The genital figures for all species (except *T. flavipennis*) are presented.

Key words: Coleoptera, Staphylinidae, Oxytelinae, *Carpelimus*, Oriental Region, lectotypes

Introduction

The faunal revisions of the genus *Carpelimus* Leach 1819, for Palaearctic (Gildenkova, 2001, 2001a, 2002, 2003, 2003a, 2010, 2011) and Tropical Africa (Gildenkova, 2007, 2007a, 2011, 2012, 2013, 2013a) have been published. The study of the type material of *Carpelimus* genera from Oriental region has been initiated by the present author in 2003, and now is in its final stage of completion. It resulted in a full-scale revision of *Carpelimus* fauna from Oriental Region. This article constitutes the first stage of a revision, with designation of 34 lectotypes from syntypes representing Oriental species. Unfortunately, some species are represented only by females; nevertheless figures of spermathecae presented here will contribute to their correct identification. The final goal of the present author is a review of *Carpelimus* genera of the World.

Material and methods

Besides the above mentioned type material I have studied more than 5000 specimens of *Carpelimus* from the Oriental Region (Southern China, Taiwan, Nepal, India, Sri Lanka, Myanmar, Thailand, Laos, Cambodia, Vietnam, Philippines, Malaysia, Indonesia) housed in 12 museums and 2 private collections; and more than 500 genital preparations have been made. The genital structures have been treated by 10% solution of KOH and fixed in euparal. This article presents the results of a study of *Carpelimus* material from five museums (see list of depositories). The morphological study was carried out using a MBS-10 stereomicroscope at a magnification of 16 and 56 times. In the annotated list below, the type labels are shown as follows: each label is separated by quotes, information about the shape and colour of the label is included in simple brackets, information on the current geographical name of countries, illegibility or misspelling of the label's texts are included in square brackets.