



## The rare genus *Leptospathius* Szépliget (Hymenoptera, Braconidae, Doryctinae) from China, with description of a new species

PU TANG<sup>1</sup>, QIONG WU<sup>1</sup>, SERGEY BELOKOBYSKIJ<sup>2</sup>, XUEXIN CHEN<sup>1,3</sup>

<sup>1</sup>State Key Laboratory of Rice Biology and Ministry of Agriculture Key Laboratory of Agricultural Entomology, Institute of Insect Science, College of Agriculture and Biotechnology, Zhejiang University, Hangzhou 310029, China

<sup>2</sup>Zoological Institute, Russian Academy of Sciences, St. Petersburg 199034, Russia; Museum and Institute of Zoology PAN, Wilcza 64, 00-679 Warsaw, Poland

<sup>3</sup>Corresponding author. E-mail: xxchen@zju.edu.cn

### Abstract

The Chinese *Leptospathius* Szépliget, 1902, from the Parasitic Hymenoptera Collection of Zhejiang University was studied and two species were recognized. A new species of this genus, *L. hunanensis* sp. nov., is described and illustrated. A key to the Oriental species of this genus is provided.

**Key words:** Hymenoptera, Braconidae, Doryctinae, *Leptospathius*, new species, China

### Introduction

The genus *Leptospathius* Szépliget (Hymenoptera, Braconidae, Doryctinae) is a small genus which was erected by G. Szépliget in 1902 (Szépliget 1902, Shenefeld and Marsh 1976). Up to now only five species of the genus have been known worldwide, with *L. formosus* Szépliget and *L. iridescens* (Schletterer) occurring in the Australasian region, and *L. petiolatus* (Cameron), *L. striatus* (Cameron) and *L. triangulifera* Enderlein in the Oriental region (Szépliget 1902, Schletterer 1890, Cameron 1905, 1910, Enderlein 1914). All the species were proposed before 1914 (Taxapad 2005), and no other species of this genus has been since described.

*Leptospathius* has been included as a member of the tribe Stephaniscini (Belokobylskij 1992, Belokobylskij et al. 2004). However, Wharton and van Achterberg (2000) indicated that Stephaniscini is an invalid name, because its type genus, *Stephaniscus* Kieffer, 1904, is a junior homonym of *Stephaniscus* Haeckel, 1887. In Taxapad (2005), *Leptospathius* belongs to the tribe Spathiini. Belokobylskij (2011) recently proposed Leptospathiini as the new name for the former tribe Stephaniscini, and included five genera, *Austrospathius* Belokobylskij, Iqbal & Austin, 2004; *Leptospathius* Szépliget, 1902; *Oroceguera* Seltmann & Sharkey, 2007; *Schlettereriella* Szépliget, 1904; and *Stephanospathius* Belokobylskij, 1992.

Only one species of *Leptospathius* has been recorded from China prior to this study (Enderlein 1914, Belokobylskij 1996). During our study of this genus from the Parasitic Hymenoptera Collection of Zhejiang University, we discovered two species. One of them is *L. triangulifera* Enderlein and the other is a species new to science. In the present paper, the new species is described and illustrated, and a key to Oriental species of the genus *Leptospathius* is provided.

### Material and methods

The terminology and measurements used follow van Achterberg (1993). Additional sources for the description of sculpture and setation are Belokobylskij (1996). All descriptions and measurements were made under a Leica MZ 12.5 microscope, and all figures were made by a digital camera (Q-Iming, Micropublisher, 3.3 RTV) attached to a