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A survey of Palaearctic Dictynidae (Araneae). 1. Taxonomic notes on *Dictynomorpha* Spassky, 1939, *Brigittea* Lehtinen, 1967 and *Lathys* Simon, 1884

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Abstract

A new species, *Dictynomorpha daemonis* sp. n. (♂) is described from South Kazakhstan and a new diagnosis is suggested for *Dictynomorpha* Spassky, 1939. The genus is redelimited and its type species *D. strandi* Spassky, 1939 redescrbed. Three *Dictynomorpha* species are transferred to *Ajmonia* Caporiacco, 1934 and three new combinations are suggested: *Ajmonia smaragdula* (Simon, 1905) **comb. n.**, *Ajmonia bedeshai* (Tikader, 1966) **comb. n.** and *Ajmonia marakata* (Sherriffs, 1927) **comb. n.** *Brigittea* Lehtinen, 1967 is removed from the synonymy with *Dictyna* Sundevall, 1833 and its composition is discussed. The type species of *Brigittea*, *B. latens* (Fabricius, 1775) is synonymized with *B. latens mutabilis* Spassky & Shnitnikov, 1937. *Lathys spasskyi* Andreeva & Tyshchenko, 1969 is removed from the synonymy with *L. stigmatissata* (Menge, 1869). New illustrations and distribution data are provided for *Lathys truncata* Danilov, 1994. *Lathys mussooriensis* Biswas & Roy, 2008 is transferred from Dictynidae to Amaurobiidae and tentatively placed in *Himalmartenus* Wang & Zhu, 2008, the new combination is suggested: *Himalmartenus mussooriensis* (Biswas & Roy, 2008) **comb. n.**

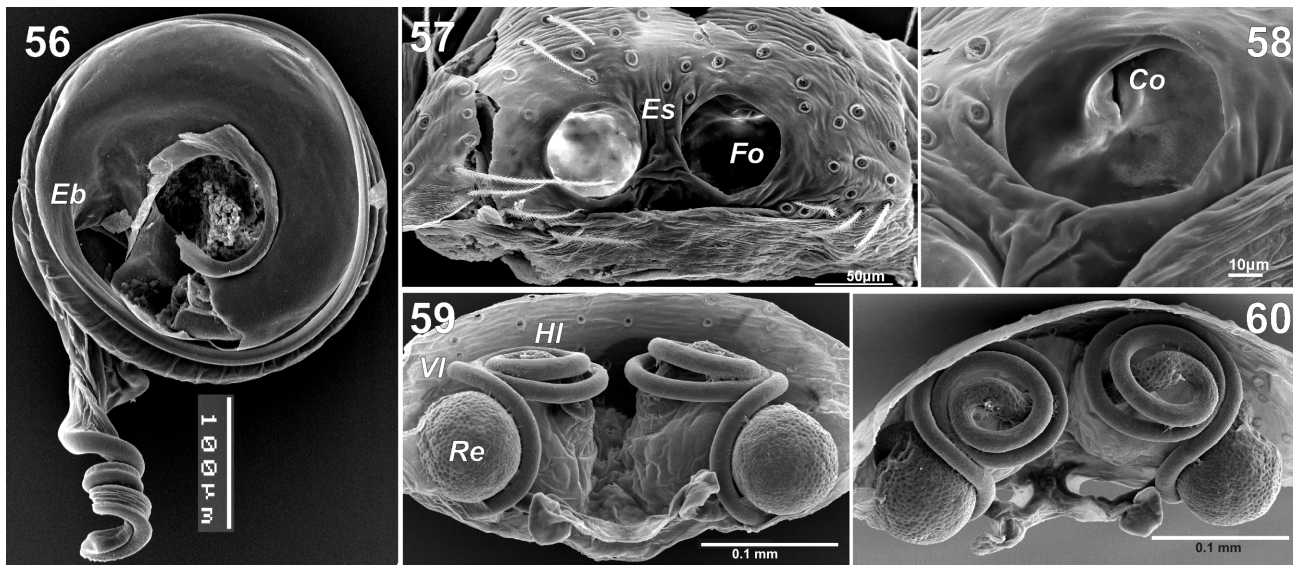
Key words: Dictyninae, Tricholathysinae, spider, copulatory organs, palp, epigyne, cribellum

Introduction

The Dictynidae are a relatively small, globally distributed family with 578 extant species currently placed in 51 genera (Platnick 2014). The family is rather poorly studied as almost half of its species are known from one sex (196 by ♀, 48 by ♂). Of the 51 genera, 17 are monotypic including four which are known only from female specimens and four only by males. The monotypic genus *Hoplolathys* Caporiacco, 1947 is known by the description of one juvenile specimen. The family or its genera have not been the subject of any global or regional revisions in the last 50 years. Dictynidae are represented by 73 species in the territories of the former USSR (Mikhailov 2013) and 80 species in Europe (Helsdingen 2014). While studying material recently collected in south-eastern Kazakhstan, we recognized one species new to science. Additional examination of the older material collected in south-eastern and eastern parts of Kazakhstan revealed that several species and one genus require taxonomical changes (i.e. synonymy or revalidation). The main goals of this paper are: 1) to describe the new species found from Kazakhstan, 2) to redefine *Dictynomorpha* Spassky, 1939, 3) to revalidate *Brigittea* Lehtinen, 1967, and 4) to provide nomenclatural changes on dictynid species occurring within the Kazakhstan.

Material and methods

The motivation for this paper came from material collected during three expeditions to Kazakhstan. The first expedition took place in 1936 and was organized by late D.E. Charitonov. It focused on the fauna of the East-



FIGURES 56–60. *Lathys spasskyi* from Kyrgyzstan, copulatory organs. 56 Bulbus, dorsal. 57 Epigyne, ventral. 58 Atrium of epigyne showing copulatory opening (*Oc*). 59–60 Epigyne (59 dorsal, 60 dorso-frontal). Scales = 0.1 mm, if not otherwise indicated. Abbreviations: Co—copulatory opening; Eb—base of embolus; Es—septum; Fo—fovea; HI—horizontal loop of insemination duct; Re—receptacle; VI—ventral loop of insemination duct.

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