

New Oriental species of Gnoristinae with pectinate antennae (Diptera: Mycetophilidae)

Jan ŠEVČÍK¹⁾, Dimitar BECHEV²⁾ & Heikki HIPPA³⁾

¹⁾University of Ostrava, Chittussiho 10, CZ-710 00 Ostrava & Silesian Museum, Tyršova 1, CZ-746 01 Opava, Czech Republic; e-mail: sevcikjan@hotmail.com

²⁾Department of Zoology, University of Plovdiv, Tzar Assen 24, BG-4000 Plovdiv, Bulgaria; e-mail: bechev@uni-plovdiv.bg

³⁾Swedish Museum of Natural History, PO Box 50007, SE-104 05 Stockholm, Sweden; e-mail: heikki.hippa@nrm.se

Abstract. Two new species of Mycetophilidae (Diptera), tentatively placed in *Dziedzickia* Johannsen, 1909, are described – *D. bifida* sp. nov. (India, Thailand, Malaysia, Indonesia) and *D. pectinata* sp. nov. (Thailand). A brief discussion of the relationships among some genera of Gnoristinae is also presented.

Key words. Diptera, Sciaroidea, *Dziedzickia*, fungus gnats, taxonomy, new species, new records, Oriental Region

Introduction

The subfamily Gnoristinae is one of the least known groups of fungus gnats (Diptera: Mycetophilidae) in the Oriental Region, from the point of view of both species representation and phylogenetic relationships. Its delimitation is based mainly on European taxa (VÄISÄNEN 1986), although this group is well represented but understudied in the tropics.

COLLESS & LIEPA (1973) listed in the Oriental catalogue only 5 species of Gnoristinae belonging to the genera *Boletina* Staeger, 1840 and *Coelosia* Winnertz, 1863. BECHEV (2000) stated 14 species in 5 genera of Gnoristinae from the Oriental Region, including an undescribed female of *Dziedzickia* Johannsen, 1909 reported by MATILE (1992) from Sulawesi. ŠEVČÍK (2010) added one species of *Docosia* Winnertz, 1863 which forms a possible morphological transition between the subfamilies Gnoristinae and Leiinae. ŠEVČÍK & HIPPA (2010) recently summarized the data on Oriental species of Metanepsiinae, a subfamily closely related to the Gnoristinae.

Studying extensive samples of fungus gnats collected within the ‘Thailand Inventory Group for Entomological Research (TIGER)’ project in Thailand and specimens collected by Ignac Sivec in Thailand and Malaysia, we found a rather numerous material of various