

## A review of the Afrotropical genus *Mycomyiella* Matile, 1973 (Diptera, Mycetophilidae, Mycomyini), with the description of six new species

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### Abstract

Systematics of the genus *Mycomyiella* are reviewed. A generic diagnosis, description and illustrations of the males are provided. Nine species are recognized, of which 6 are newly described: *M. diseta* new species (Tanzania), *M. elegans* new species (Tanzania), *M. ghanaensis* new species (Ghana), *M. kaputuensis* new species (Tanzania), *M. tannerorum* new species (Tanzania), and *M. wangi* new species (Tanzania). The phylogeny of *Mycomyiella* is outlined, placing it as the sister group of *Mycomya* Rondani, 1856. The monophyly of *Mycomyiella* is well supported, and two species groups can be recognized, one including *M. camerounensis* Matile, 1973, *M. irwini* Väisänen, 1994, *M. ghanaensis*, *M. securiculata* Matile, 1973, *M. diseta* and *M. kaputuensis*, the other including *M. elegans*, *M. tannerorum* and *M. wangi*.

**Key words:** Diptera, Mycetophilidae, Mycomyini, *Mycomyiella*, Afrotropical, systematics

### Introduction

The genus *Mycomyiella* was erected by Matile based on *M. camerounensis* Matile, 1973 from Cameroon and *M. securiculata* Matile, 1973 from the Island of Fernando-Poó (Bioko). Väisänen later added *M. irwini* Väisänen, 1994 from Natal in South Africa. In the present paper *M. ghanaensis* new species from Ghana and *M. diseta* new species, *M. elegans* new species, *M. kaputuensis* new species, *M. tannerorum* new species and *M. wangi* new species from Tanzania are described and figured, thus raising the number of species in the genus to nine. There are according to Matile (1973) about 20 undescribed species of this genus in the collections at the Muséum National d'Histoire Naturelle in Paris. Unfortunately, these were not available for loan.

*Mycomyiella* is one of 11 genera in the tribe Mycomyini, a tribe common and widespread in the Afrotropical region. With the exception of *Echinopodium* Freeman, 1951 and