

Contributions to the fauna of hoverflies (Diptera: Syrphidae) of north-eastern Greece, with special focus on the Rhodope Mountains with the Natura 2000 site Periochi Elatia, Pyramis Koutra

[Beiträge zur Fauna der Schwebfliegen (Diptera: Syrphidae) von Nordost-Griechenland, unter besonderer Berücksichtigung der Rhodopen mit dem Natura 2000-Gebiet Periochi Elatia, Pyramis Koutra]

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Abstract	During the years 2007 and 2008, studies of hoverflies (Diptera: Syrphidae) were made in Northern Greece, with a focus on the high mountains of the Rhodopes, but also including some observations in the Falakron and Pangeon mountain ranges and in the coastal lowlands. With field sampling in April 2007 and in August 2008, including five Malaise traps operated in 2007, more than 6800 specimen were collected belonging to 182 hoverfly species, of which 48 species are new to the Greek fauna. During field observations, almost 3900 flower visits were observed. The Greek hoverfly fauna, and especially the fauna of the Rhodope mountain range along the “Green Belt” with Bulgaria, is discussed.
Key words	Syrphidae, Palaearctic Region, Greece, Rhodope Mountains, Falakron, Pangeon, faunistics, new records, flower-visiting, <i>Callicera aurata</i> , <i>Chalcosyrphus pannonicus</i>
Zusammenfassung	In den Jahren 2007 und 2008 wurden Untersuchungen zur Schwebfliegenfauna (Diptera: Syrphidae) von Nordost-Griechenland durchgeführt, insbesondere der Hochlagen der Rhodopen, aber auch der Gebirgszüge des Falakron, des Pangeon und der Küstenregion. Durch mehr als 6800 Freilandbeobachtungen im April 2007 und August 2008 sowie mit fünf Malaisefallen im Jahr 2007 wurden insgesamt 182 Schwebfliegenarten nachgewiesen, darunter 48 neue Nachweise für Griechenland. Ferner wurden 3900 Blütenbesuche registriert. Die Schwebfliegenfauna Griechenlands, insbesondere die des Gebirgszugs der Rhodopen entlang des „Green Belt“ mit Bulgarien, wird diskutiert.
Stichwörter	Syrphidae, paläarktische Region, Griechenland, Rhodopen, Falakron, Pangeon, Faunistik, neue Nachweise, Blütenbesuch, <i>Callicera aurata</i> , <i>Chalcosyrphus pannonicus</i>

1 Introduction

The Greek hoverfly fauna is poorly studied with ‘Syrph the Net’ (StN). SPEIGHT et al. (2010) listing only 269 species for Greece and almost no works have been carried out in northern Greece in the past. StN range data for Greece are based on the Palaearctic catalogue of PECK (1988), a series of papers on the Aegean islands with focus on *Merodon* species (PÉREZ-BANÓN et al. 2000; STÄHLS et al. 2009; VUJIC et al. 2000, 2007), the *Psilota* revision of SMIT & VUJIC (2008), and other records by STANDFUSS & CLAUSSEN (2007) and VAN DE WEYER & DILS (1999). These works focus on the southern part of Greece in the eumediterranean zone. In parallel to this work a faunistic study was carried out by DE COURCY WILLIAMS et al. (2012) in Thrace and Macedonia.