

## RECORDS OF FOUR BEE SPECIES NEW TO THE FAUNA OF LITHUANIA (HYMENOPTERA: APIDAE)

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### Introduction

The bees (Apidae) belong to the well-studied insect groups of the fauna of Lithuania due to the recent studies of Virgilijus Monsevičius. He has summarised the available published data on this important insect group coming from Lithuania and adjacent territories and has collected multiple new species (Monsevičius, 1995). After his latest supplement (Monsevičius, 2004), the bee fauna of the country included 335 species.

The objective of this contribution is supplementing of the national check-list of bees by four recently recorded species.

### Material and Methods

The bees were collected by the author using entomological net. The specimens are preserved in the collection of the Institute of Ecology of Vilnius University.

### List of species

#### ***Andrena rosae* Panzer, 1801**

Plungė distr., Žemaitija National Park, Beržoras env. (56°01'32"N, 21°49'47"E), 29 07 2006, 3♀.

#### ***Andrena stragulata* Illiger, 1806**

(*A. rosae*: Monsevičius, 1995: 42)

Vilnius city, Pavilnys (54°40'33"N, 25°22'11"E), 30 04 1978, 1♀; Salotė (54°41' 55"N, 25°11'27"E), 23 04 1978, 1♀.

#### ***Dufourea halictula* (Nylander, 1852)**

Šalčininkai distr, Dieveniškės Regional Park, Girdžiūnai env. (54°10'18"N, 25°45' 06"E), 21 06 2005, 4♂.

#### ***Megachile analis* Nylander, 1852**

Švenčionys distr, Sirvėta Regional Park, Beržuvis forest (55°10'30"N, 26°11'30"E), 08 06 1993, 1♀.

#### ***Megachile pyrenaica* Perez, 1890**

Šalčininkai distr., Rūdininkai military training area (54°22'41"N, 25°05'55"E), 13 08 2008, 1♀.

## Discussion

*Andrena stragulata* (= *eximia* Smith, 1847), earlier considered as the early spring generation of *A. rosae*, is now regarded as a separate species (Schmid-Egger & Scheuchl, 1997). In the Lithuanian fauna, it was listed under the name *A. rosae* (Monsevičius, 1995). Therefore, the name *A. stragulata* is new to the Lithuanian check-list of bees, although the species is known in the local fauna. The name does not replace the *A. rosae*, because the latter late-summer species has been recorded as well, and it is new to the fauna of Lithuania.

*Andrena rosae* and *Megachile analis* are widely distributed trans-palaeartic boreo-nemoral species. *Dufourea halictula* and *M. pyrenaea* are widely distributed in Europe, both reaching Finland in the North. According to their general distribution, all four bee species were expected to be present in the fauna of Lithuania.

## Acknowledgements

The author is grateful to the administrations of the Žemaitija National Park and the Dieveniškės Regional Park for their financial support of field studies.

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## Duomenys apie keturias naujas Lietuvos faunos bičių (Hymenoptera: Apidae) rūšis

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### Santrauka

Pateikiami duomenys apie keturias bičių rūšis, pirmąkart aptiktas Lietuvoje: *Andrena rosae* Panzer, 1801 (medžiaga iš Lietuvos, anksčiau publikuota kaip priklausanti *A. rosae*, iš tiesų priklauso rūšiai *A. stragulata* Illiger, 1806), *Dufourea halictula* (Nylander, 1852), *Megachile analis* Nylander, 1852 ir *M. pyrenaea* Perez, 1890. Visos šios rūšys yra plačiai paplitusios, jų aptikimas Lietuvoje buvo tikėtinas. Kiekvienai aptariamai rūšiai pateiktos sugavimo vietos, datos ir individų skaičius.

Received: October 14, 2009