



Entomofauna

ZEITSCHRIFT FÜR ENTOMOLOGIE

Band 32, Heft 26: 381-384

ISSN 0250-4413

Ansfelden, 29. April 2011

Three new records of assassin bugs (Hemiptera: Reduviidae: Peiratinae) from Iran

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Abstract

Three peiratine species of assassin bugs, *Androclus pictus* (HERRICH-SCHAEFFER), *Ectomocoris ochropterus* STÅL, and *Ectomocoris quadrimaculatus* (SERVILLE), are newly recorded from Iran. Synonymies and distributional data are given in this paper.

K e y w o r d s : Hemiptera, Reduviidae, Peiratinae, Iran, fauna, new record.

Zusammenfassung

Drei für die Fauna Irans neue Raubwanzen [Hemiptera: Reduviidae: Peiratinae: *Androclus pictus* (HERRICH-SCHAEFFER), *Ectomocoris ochropterus* STÅL und *Ectomocoris quadrimaculatus* (SERVILLE)] konnten nachgewiesen werden. Synonymie und Verbreitungsangaben werden angeführt.

Introduction

The family Reduviidae is the largest family of predaceous land Heteroptera, globally comprising of 6.250 species and subspecies in 913 genera and 25 subfamilies (MALDONADO-CAPRILES 1990). Among them 342 species under 31 genera belong to the subfamily Peiratinae. The subfamily Peiratinae distinguishes itself with unique ecological, morphological and behavioural attributes and exhibits affinities with its closer subfamily like Reduviinae and distances itself from subfamilies like Stenopodainae. A thorough understanding of the biosystematics of subfamilies of Reduviidae will reveal their polygenetic relationships (AMBROSE et al. 2007). The assassin bugs of the subfamily Peiratinae were poorly studied in Iran, and only 2 species in 2 genera (*Peirates hybridus* (SCOPOLI 1763)) (MODARRES AWAL 1997) and *Ectomocoris cordiger* STÅL 1866 (AMBROSE et al. 2007) under the subfamily Peiratinae have been recorded. In the present study, we found three new records of Iranian Peiratinae bugs herein reported. The detailed citation and references of the related species can be found in the catalogs of MALDONADO-CAPRILES (1990) and PUTSHKOV & PUTSHKOV (1996).

In this paper, the materials were collected by sweeping net from three localities including, Kaleibar (East Azarbayjan province), Zahedan (Sistan & Baluchestan province) and Kermanshah (Kermanshah province). Totally, three peiratine species of assassin bugs are listed as the new records for Iranian fauna. Additionally, synonymies and distributional data are given below.

Species list

***Androclus pictus* (HERRICH-SCHAEFFER) 1848**

Pirates pictus HERRICH-SCHAEFFER 1848.

Dicroatropis pictus MAYR 1865.

Androclus (Dicroatropis) sculpturatus BREDDIN 1903 (synonymy by DISTANT 1902).

Androclus pictus DISTANT 1902.

Material examined: East Azarbayjan Province, Kaleibar, 1 ♂, 778 m, V-2006.

General distribution: Africa, Dutch east, Oriental (Cameroon, Southern Mozambique (Delagoa Bay), Guinea, India, Indonesia (Java), South Africa, Transvala).

***Ectomocoris ochropterus* STÅL 1866**

Pirates posticus WALKER 1873a (synonymy by PRIESNER & ALFIERI 1953).

Pirates ochropterus WALKER 1873.

Eumerus (Eumerus) flaviger STÅL 1874 (synonymy by DISTANT 1902).

Ectomocoris flaviger LETHIERRY & SEVERIN 1896.

Ectomocoris posticus DISTANT 1902.

Eumenes (sic) *flaviger* DISTANT 1902.

Ectomocoris ochropterus LINNAVUORI 1972.

Material examined: Sistan & Baluchestan province, Zahedan, 1 ♀, 1369 m, IX-2004.

General distribution: Egypt, Eritrea, Ethiopia, India.

***Ectomocoris quadrimaculatus* (SERVILLE) 1831 in MALDONADO 1990**

Peirates quadrimaculatus SERVILLE 1831 in MALDONADO 1990.

Peirates 3-guttatus ERICHSON 1842.

Peirates quadrimaculatus AMYOT & SERVILLE, 1843.

Peirates trifenestratus STÅL 1855.

Ectomocoris quadrimaculatus STÅL 1866.

Pirates quadrimaculatus WALKER 1873.

Eumerus (Eumerus) quadrimaculatus STÅL 1874.

Ectomocoris quadrimaculatus var. *macroquadrimaculatus* HESSE 1925.

Ectomocoris quadrimaculatus STÅL 1972 in MALDONADO, 1990 (nec SERVILLE) LINNAVORI 1972 (synonymy in part with *E. caucasicus*).

M a t e r i a l e x a m i n e d : Kermanshah province, Kermanshah, 2♂♂, 1♀, 1294 m, IV-2003.

G e n e r a l d i s t r i b u t i o n : Austral Africa, India, Intertropical, Iraq, Somalia.

Acknowledgement

The authors are indebted to Dr. P. Putshkov (Schmalgausen Institute of Zoology, Ukraine) for invaluable helps in progress of the project. The research was supported by Islamic Azad University.

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Druck, Eigentümer, Herausgeber, Verleger und für den Inhalt verantwortlich:
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Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

Zeitschrift/Journal: [Entomofauna](#)

Jahr/Year: 2011

Band/Volume: [0032](#)

Autor(en)/Author(s): Ghahari Hassan, Linnavuori Rauno E.

Artikel/Article: [Three new records of assassin bugs \(Hemiptera: Reduviidae: Peiratinae\) from Iran 381-384](#)