

A new species of Heteroceridae from Pakistan (Coleoptera: Heteroceridae)

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Abstract

Augyles stipebozici sp.n. (Coleoptera: Heteroceridae) from Pakistan is described and illustrated. A checklist of the twelve species known from Pakistan is provided.

Key words: Coleoptera, Heteroceridae, *Augyles*, *Heterocerus*, taxonomy, new species, Pakistan, checklist.

Introduction

The knowledge of the family Heteroceridae in Pakistan is based on MASCAGNI & SFORZI (1999) with citation of two species (*Augyles cantus* MILLER, 1995 and *Heterocerus holosericeus* ROSENHAUER, 1856), MASCAGNI (2003) with citation of other four species (*Augyles flavidus* (ROSSI, 1794), *Heterocerus lorenzvae* MASCAGNI, 1993, *H. mus* CHARPENTIER, 1965, *H. nepalensis* MASCAGNI, 1993), SKALICKÝ (2005) with citation of other five species (*Augyles pucholti* SKALICKÝ, 2001, *A. uncis* MILLER, 1995, *Heterocerus flexuosus* STEPHENS, 1828, *H. persicus* MASCAGNI, 1989, *H. virgatus* MAMITZA, 1933), on the whole eleven species. The new species *Augyles stipebozici*, that is described below, increases the number of known heterocerid species from Pakistan to twelve.

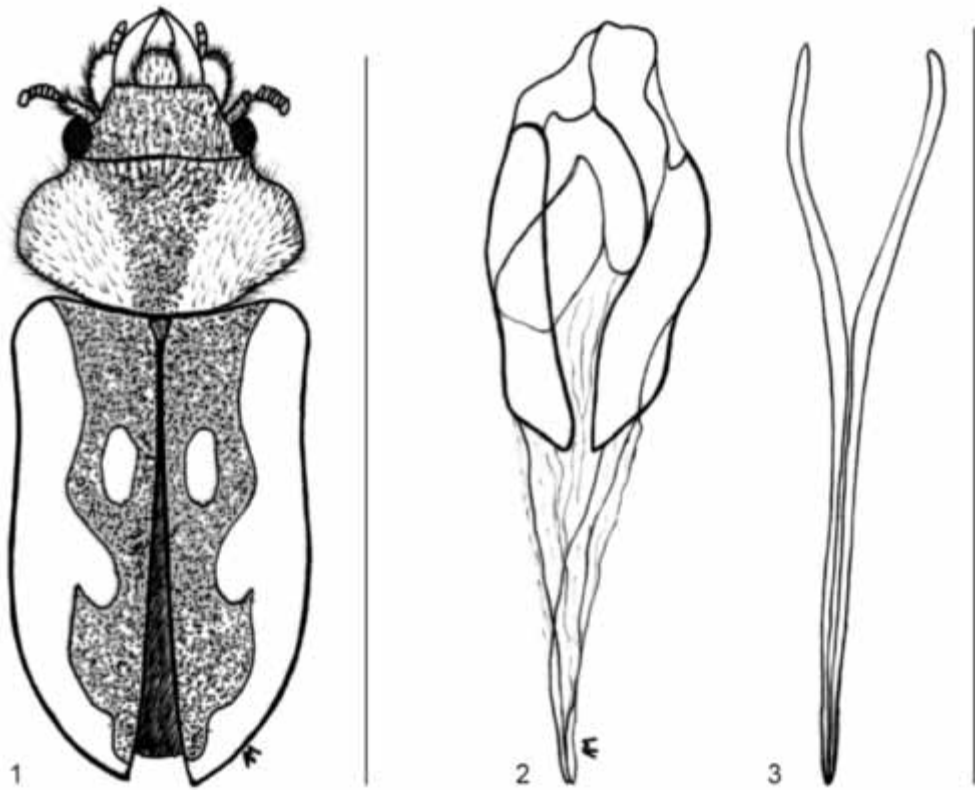
Acronyms used in the text:

CMS	Coll. A. Mascagni, Scandicci, Firenze, Italy
MNKE	Naturkunde Museum Erfurt, Germany
MZUF	Museo Zoologico de “La Specola”, sez. di Entomologia “Enrica Calabresi”, Università di Firenze, Italy
NMNH	Smithsonian Institution, National Museum of Natural History, Washington, USA
NMW	Naturhistorisches Museum Wien, Austria

Augyles stipebozici sp.n.

TYPE MATERIAL: **Holotype** ♂ (MZUF): PAKISTAN, Halala Village, 35°19'28,68"N / 74°18'31,04"E, 1650 m, 2011, leg. Stipe Božić.

DESCRIPTION: Holotype ♂: Total length 3.43 mm (to apex of labrum); elytra 2.14 mm long, 1.35 mm wide across shoulders. Head brown, thick pubescence whitish and with hairs longer scattered; small mandibles with acute apex; antennae with 11 segments, apical 7 clubbed; clypeus without pair of anterior horns, with dense and short setae. Pronotum ochre, with triangular brown spot, as wide as the base of elytra, trapezoidal, narrow anteriorly and bordered posteriorly; dense whitish pubescence with hairs longer laterally, densely dotted. Elytra with dense whitish pubescence, densely punctate; elytral markings as in Fig. 1. Legs ochre, densely pubescent; tibiae with numerous spines. Abdomen brown, brightened on the sides; stridulatory arch not marked; post-metacoxal line present; spiculum gastrale (Fig. 3) V-shaped. Aedeagus (Fig. 2) 0.86 mm long.



Figs. 1–3: *Augyles stipebozici*, holotype: 1) habitus. Scale: 3.43 mm; 2) aedeagus; 3) spiculum gastrale. Scale: 0.86 mm.

DIFFERENTIAL DIAGNOSIS: *Augyles stipebozici* is similar to *A. hartmanni* MASCAGNI, 2003 described from Nepal. It differs from the latter in the elytral colour (dark-brown with distinct ochre pattern in *A. stipebozici*, black with striae and no markings in *A. hartmanni*) and in the structure of the male genitalia (Figs. 2–3; MASCAGNI 2003: Figs. 5–6).

DISTRIBUTION: Known only from the type locality.

HABITAT NOTES: The holotype was collected under a rock in the mud besides a creek near Halala village (Fig. 4).

Halala can be reached from Jalipur (village) following the Indus River (Karakorum Highway). At Halala village (resp. Halala Bridge) Diamir Valley (leading to mountain Nanga Parbat) can be entered, where the type locality is found. The creek flows through a small village and pours into the river Bunar carrying water from the western slopes of Nanga Parbat.

ETYMOLOGY: The new species is dedicated to the well known Croatian alpinist Mr. Stipe Božić, who collected the type specimen.



Fig. 4: Creek near Halala Village, type locality of *Augyles stipebozici* (photo: Stipe Božić).

Checklist of the Heteroceridae of Pakistan

Augyles cantus MILLER, 1995: Pakistan (MASCAGNI & SFORZI 1999, MASCAGNI 2006).

Augyles flavidus (ROSSI, 1794): Bela, Baluchistan, 13/14.III.1995, leg. Hauck & Čížek, NMW (MASCAGNI 2003).

Augyles pucholti SKALICKÝ, 2001: Lahore, VII/XII.1957, VII.1958, leg. J. Maldonado, NMNH (SKALICKÝ 2005); Sind Prov., Makli, near Thatta, 22.IX.1976, leg. G.F. Hevel & R.E. Dietz, NMNH (SKALICKÝ 2005); Sind Prov., Miani Forest, near Hyderabad, leg. G.F. Hevel & R.E. Dietz, NMNH (SKALICKÝ 2005).

Augyles stipebozici sp.n.: Halala Village 35°19'28,68" N / 74°18'31,04" E, 1650 m, 2011, leg. Stipe Božić, MZUF.

Augyles uncis MILLER, 1995: Gilgit, 35°55'15" N / 74°19'34" E, 26.VII.2000, 16.VIII.2000, 1615 m, at M.V. light, leg. Mann & McGavin, CSU (SKALICKÝ 2005).

Heterocerus flexuosus STEPHENS, 1828: 10 km N of Sukkur, near river Indus, VIII.2003, leg. M. Dostál, CSU (SKALICKÝ 2005).

Heterocerus holosericeus ROSENHAUER, 1856: Sind Karchat, Kirthar Natural Park, 25.II/4.III.1995, leg. Hauck & Čížek, NMW (MASCAGNI & SFORZI 1999).

Heterocerus lorenzvae MASCAGNI, 1993: Bela, Baluchistan, 13/14.III.1995, leg. Hauck & Čížek, NMW (MASCAGNI 2003); Baluchistan, 90 km SSE Quetta Kundlani, 20/23.II.1995, leg. Hauck & Čížek, CMS; Sind Karchat, Kirthar Natural Park, 25.II/4.III.1995, leg. Hauck & Čížek, CMS; Sind Prov., Makli, near Thatta, 22.IX.1976, leg. G.F. Hevel & R.E. Dietz, NMNH (SKALICKÝ 2005).

Heterocerius mus CHARPENTIER, 1965: Baluchistan, 90 km SSE Quetta Kundlani, 20/23.II.1995, leg. Hauck & Čížek, NMW, CMS (MASCAGNI 2003, 2009); 10 km N of Sukkur, near river Indus, VIII.2003, leg. M. Dostál, CSU (SKALICKÝ 2005).

Heterocerius nepalensis MASCAGNI, 1993: Baluchistan, 90 km SSE Quetta Kundlani, 20/23.II.1995, leg. Hauck & Čížek, NMW, CMS (MASCAGNI 2003); Bela, Baluchistan, 13/14.III.1995, leg. Hauck & Čížek, CMS; Sind Karchat, Kirthar Natural Park, 25.II/4.III.1995, leg. Hauck & Čížek, NMW.

Heterocerius persicus MASCAGNI, 1989: Sind Prov., Makli, near Thatta, 22.IX.1976, leg. G.F. Hevel & R.E. Dietz, NMNH (SKALICKÝ 2005); NE Pakistan, Hindukush / Chitral Yarklum Rv., 5 km W Mastuj, 2150 m, wet sand, 23.IX.1995, leg. Dickoré, MNKE, CMS.

Heterocerius virgatus MAMITZA, 1933: Sind Prov., Makli, near Thatta, 22.IX.1976, leg. G.F. Hevel & R.E. Dietz, NMNH (SKALICKÝ 2005).

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