

## Agathidiini (Insecta: Coleoptera: Leiodidae) from Turkey and South East Asia preserved in Naturhistorisches Museum, Wien - 2nd note

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### Abstract

Descriptive and/or collecting data are presented for 12 Palaearctic and Oriental taxa (34 specimens) of Agathidiini (Coleoptera, Leiodidae) deposited in the Natural History Museum, Vienna (Austria). *Liodopria javaensis* sp.n. (Indonesia: Java) and *Agathidium* (s.str.) *namrunense* sp.n. (Turkey) are described as new. New records: *Agathidium* (*Euryceble*) *illustre* ANGELINI & DE MARZO, 1993, A. (*Microceble*) cf. *aequalis* ANGELINI & DE MARZO, 1993 and A. (*Microceble*) *nebulosum* ANGELINI & DE MARZO, 1993 from Sarawak, A. (s.str.) cf. *lebongense* ANGELINI & DE MARZO, 1981 from Nepal.

**Key words:** Coleoptera, Leiodidae, Agathidiini, *Anisotoma*, *Liodopria*, *Agathidium*, new species, new records, Palaearctic Realm, Oriental Realm.

### Zusammenfassung

Neue Daten und Beschreibungen für 12 Paläarktische und Orientalische Taxa (34 Exemplare) der Tribus Agathidiini (Coleoptera, Leiodidae) aus den Beständen des Naturhistorischen Museums Wien (Österreich) werden präsentiert. *Liodopria javaensis* sp.n. (Indonesien: Java) und *Agathidium* (s.str.) *namrunense* sp.n. (Türkei) werden neu beschrieben. *Agathidium* (*Euryceble*) *illustre* ANGELINI & DE MARZO, 1993 A. (*Microceble*) cf. *aequalis* ANGELINI & DE MARZO, 1993 und A. (*Microceble*) *nebulosum* ANGELINI & DE MARZO, 1993 sind neu für die Fauna von Sarawak, A. (s.str.) cf. *lebongense* ANGELINI & DE MARZO, 1981 ist neu für die Fauna von Nepal.

### Introduction

Thanks to the courtesy of Mr. H. Schillhammer, I have obtained for study 34 specimens (12 species) of Agathidiini deposited in the collection of the Naturhistorisches Museum, Wien (Austria) from Turkey and South East Asia. The material was collected by the "Türkei-Expedition 1966 des Naturhistorischen Museums Wien", further by E. Jendek, O. Sausa, J. Kodada, I. Jenis, and R. Schuh in:

- \* 2 localities in Turkey: 16 exs., 1 sp.
- \* 1 locality in China: 3 exs., 3 spp.
- \* 2 localities in Indonesia (Java): 6 exs., 2 spp.
- \* 2 localities in Malaysia (Sarawak): 4 exs., 3 spp.
- \* 1 locality in Nepal: 5 exs., 3 spp.

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This material includes:

- a) Two new species: *Liodopria javaensis* sp.n. from Indonesia (Java) and *Agathidium* (s.str.) *namrunense* sp.n. from Turkey, which are described below.
- b) Three species are newly recorded for Sarawak (East-Malaysia): *Agathidium* (*Euryceble*) *illustre* ANGELINI & DE MARZO, 1993; *Agathidium* (*Microceble*) cf. *aequalis* ANGELINI & DE MARZO, 1993 and *Agathidium* (*Microceble*) *nebulosum* ANGELINI & DE MARZO, 1993.
- c) One species is newly recorded for Nepal: *Agathidium* (s.str.) cf. *lebongense* ANGELINI & DE MARZO, 1981.

The specimens are deposited in Naturhistorisches Museum Wien (NMW) and in coll. Angelini (AC).

#### Acknowledgements

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### Genus *Anisotoma* PANZER, 1797

#### *Anisotoma krali* ANGELINI & ŠVEC, 1994

ANGELINI & ŠVEC 1994: 3; 1995: 509.

**Material:** China, Yunnan, 50 Km N Lijiang, Yulongshan Nature Reserve, 24. - 29.VI.1993, leg. Jendek & Sausa, 1 ♂ (NMW).

**Distribution:** China (Yunnan).

#### *Anisotoma becvari* ANGELINI & ŠVEC, 1994

ANGELINI & ŠVEC 1994: 5; 1995: 509.

**Material:** China, Yunnan, 50 Km N Lijiang, Yulongshan Nature Reserve, 24. - 29.VI.1993, leg. Jendek & Sausa, 1 ♀ (NMW).

**Distribution:** China (Yunnan and Hubei).

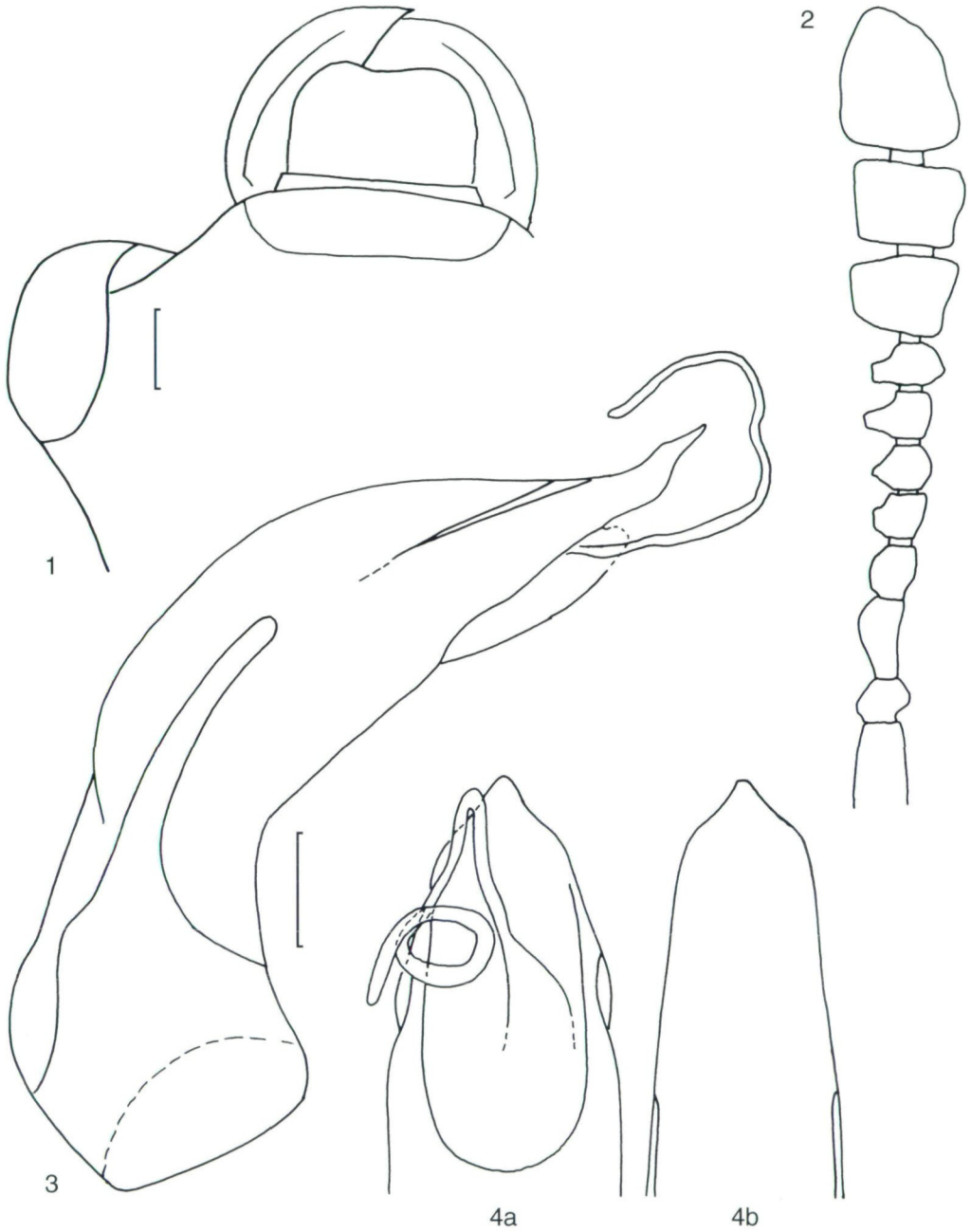
### Genus *Liodopria* REITTER, 1909

#### *Liodopria javaensis* sp.n. (Figs. 1 - 4)

**Holotype** ♂: Indonesia, W Java, "Ranca Upas", ca. 1300 m, 10 Km S Ciwidey, 9.VIII.1994, leg. Schuh (NMW); **paratypes**: same data as holotype: 1 ♂, 1 ♀ (NMW), 2 ♂♂ (AC).

#### Description:

Length: 2.90 - 3.15 mm (holotype ♂: 3.10 mm). Whole dorsum black; mesosternum reddish-brown, metasternum black; antennae with black club; legs reddish-brown. Microreticulation absent on whole dorsum; puncturation microscopic and sparse on head and pronotum, distinct on elytra. Sutural striae sharp, extending to middle of length of elytra.



Figs. 1-4: *Liodopria javaensis* sp.n.: (1) head, (2) antenna, (3) aedeagus, lateral view, (4) apex of aedeagus in dorsal (4a) and ventral (4b) view; scale bar represents 0.1 mm.

Head: Microreticulation absent; punctures very small and superficial, hardly visible, separated from each other by 1 - 10 times their own diameter; antero-lateral margins

uniform, a small pit at each side; clypeus protruding, clypeal line very superficial; eyes protuberant (Fig. 1). Third antennal segment twice as long as 2nd and shorter than 4th and 5th combined (Fig. 2).

Pronotum: Microreticulation absent; punctures as on head. 1.82 times as broad as head, much broader than long ( $W/L = 1.82$ ) weakly convex ( $W/H = 2.08$ ); anterior margin broadly curved posteriorly, sharply curved anteriorly; lateral outline with sharp angle; measurements of pronotum (holotype): length 1.57 mm, width 1.70 mm, height 1.26 mm.

Elytra: Microreticulation absent; punctures larger and more clearly impressed, separated from each other by 2-3 times their own diameter; distinctly broader than pronotum, slightly broader than long ( $W/L = 1.08$ ) and very convex ( $W/H = 1.34$ ); lateral outline with sharp humeral angle; measurements of elytra (holotype): length 1.57 mm, width 1.70 mm, height 1.26 mm.

Metathoracic wings present.

Meso- and metasternum: Median carina weak, lateral lines complete, femoral lines absent; tarsal formula: ♂ 5-5-4, ♀ 4-4-4.

Aedeagus: Figs. 3, 4.

**Discussion:** *Liadopria javaensis* sp.n. is similar to *L. taiwanensis* ANGELINI & DE MARZO, 1985 and *L. cambogensis* ANGELINI & DE MARZO, 1985 in the shape of the antennal club which is not enlarged. It differs clearly in the colour of the whole dorsum, greater length ratio of 3rd/2nd antennal segments, and in having the sutural striae more clearly impressed.

**Distribution:** Indonesia (Java).

### Genus *Agathidium* PANZER, 1797

#### Subg. *Neoceble* GOZIS, 1886

#### *Agathidium (Neoceble) pseudoconfusum* ANGELINI & DE MARZO, 1986

ANGELINI & DE MARZO 1986: 831.

**Material:** Nepal, Godawari, 16. - 17.V.1992, leg. Jenis, 1 ♀ (NMW).

**Distribution:** Nepal.

#### Subg. *Agathidium* s.str.

#### *Agathidium* (s.str.) *madurensis* group

#### *Agathidium* (s.str.) *alatum heishuense* ANGELINI & ŠVEC, 1994

ANGELINI & ŠVEC 1994: 14; 1995: 512.

**Material:** China, Yunnan, 50 Km N Lijiang, Yulongshan Nature Reserve, 24. - 29.VI.1993, leg. Jendek & Sausa, 1 ♂ (NMW).

**Distribution:** China (Yunnan).

***Agathidium* (s.str.) cf. *lebongense* ANGELINI & DE MARZO, 1981**

ANGELINI &amp; DE MARZO 1981: 288; 1986: 433.

**Material:** Nepal, Godawari, 16. - 17.V.1992, leg. Jenis, 2 ♂♂ (NMW and AC).**Discussion:** The external anatomical characters differ only very slightly from those of the type specimens; the aedeagus is similar to that of the type. However, the new specimens are assigned only with reservation to this species.**Distribution:** India (Darjeeling and Meghalaya), Nepal (first record).***Agathidium* (s.str.) *laevigatum* group*****Agathidium* (s.str.) *namrunense* sp.n. (Figs. 5 - 9)****Holotype** ♂: "Türkei, Namrun, 1170 m, NE Tarsus, 11.IV.1966, Türkei-Exped. 1966 Natur.hist.Mus.Wien" (NMW); **paratypes:** same data as holotype: 4 ♂♂ and 4 ♀♀ (NMW), 2 ♂♂ and 2 ♀♀ (AC); "Türkei, Toprakkale bei Osmaniye, 15.IV.1966, Türkei-Exped. 1966 Natur.hist.Mus.Wien", 1 ♂ and 2 ♀♀ (NMW).**Description:**

Length: 2.8 - 3.1 mm (holotype ♂: 3.0 mm). Dorsum reddish-brown; mesosternum testaceous, metasternum reddish-brown; antennae uniformly testaceous; legs reddish-brown. Microreticulation well impressed on whole dorsum; puncturation fine and sparse on whole dorsum. Sutural striae absent.

Head: Microreticulation clear and uniform; punctures very small, superficial, separated from each other by 2 - 5 times their own diameter; widest at eyes, eyes flattened (Fig. 5); antero-lateral margins uniform; clypeus weakly excavate, clypeal line absent; 3rd antennal segment 1.66 times as long as 2nd and longer than 4th and 5th combined.

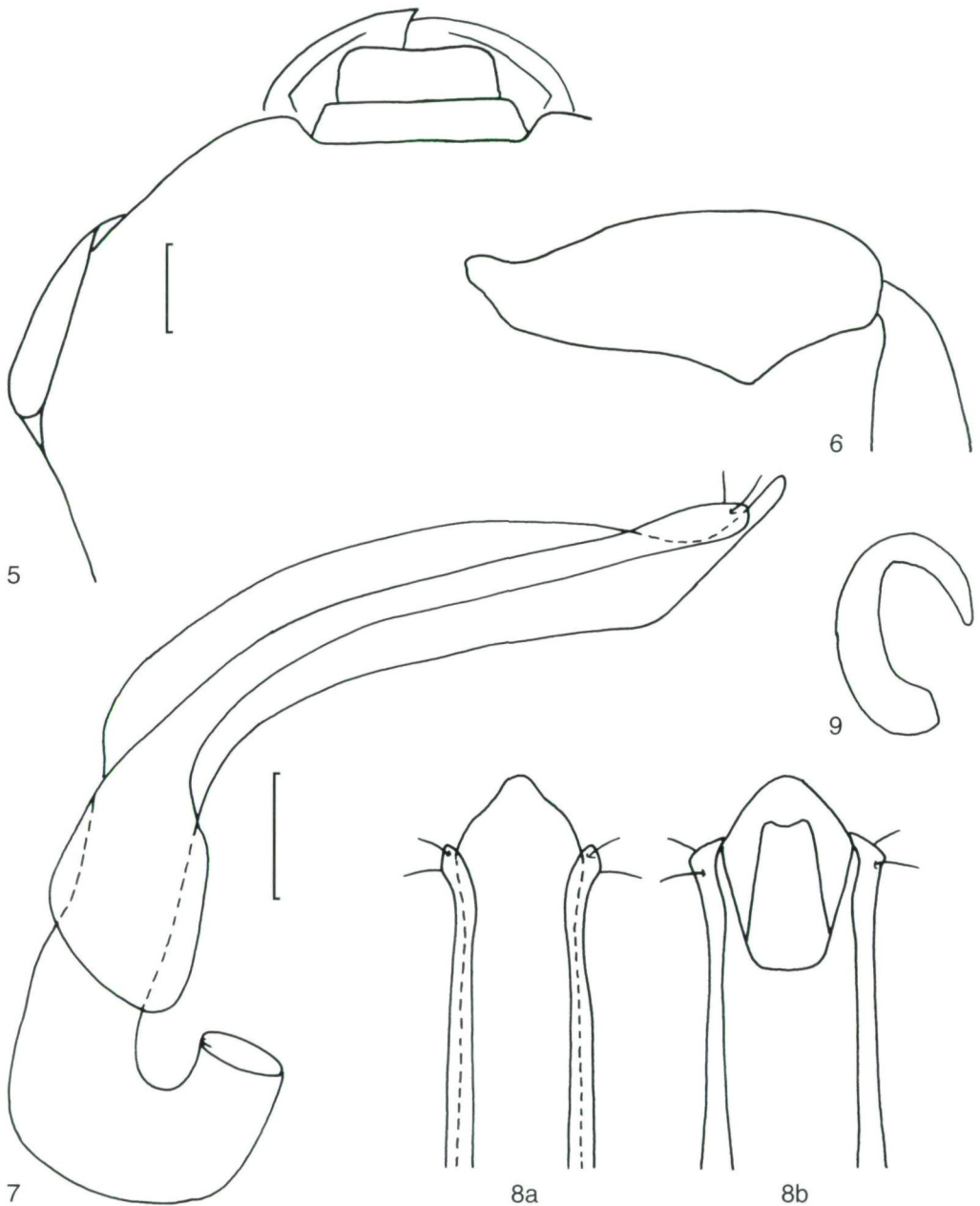
Pronotum: Microreticulation clear and uniform as on head; puncturation as on head but more sparse, punctures separated from each other by 2 - 10 times their own diameter; 1.26 times as broad as head, moderately broader than long ( $W/L = 1.41$ ) and moderately convex ( $W/H = 1.51$ ); anterior margin sharply curved; lateral outline broadly curved; measurements of pronotum (holotype): length 0.96 mm, width 1.36 mm, height 0.90 mm.Elytra: Microreticulation clear and uniform as on head; punctures smaller and more superficial than those of head, hardly visible, separated from each other by 2 - 10 times their own diameter; slightly narrower than pronotum, moderately longer than broad ( $W/L = 0.95$ ), and moderately convex ( $W/H = 1.58$ ); lateral outline with weak humeral angle; measurements of elytra (holotype): length 1.40 mm, width 1.33 mm, height 0.84 mm.

Metathoracic wings absent. Meso- and metasternum: Median carina clear, lateral lines absent, femoral lines incomplete, rounded at middle.

Legs: Male hind femora with weak tooth at posterior margin (Fig. 6). Tarsal formula: ♂ 5-5-4, ♀ 5-4-4.

Aedeagus: Figs. 7, 8.

Spermatheca: Fig. 9.



Figs. 5-9: *Agathidium* (s.str.) *namrunense* sp.n.: (5) head, (6) male hind femora, (7) aedeagus, lateral view, (8) apex of aedeagus in ventral (8a) and dorsal (8b) view, (9) spermatheca; scale bar represents 0.1 mm.

**Discussion:** *Agathidium namrunense* sp.n. closely resembles *A. lederi* REITTER, 1888, *A. tibiellum* HLISNIKOVSKY, 1972 and *A. denticulatum* HLISNIKOVSKY, 1972. From *A.*

*tibiellum* and *A. denticulatum* it differs by the more clearly impressed microreticulation on the whole dorsum, from *A. lederi* by the ratio of 3rd/2nd antennal segments, by the shape of the ♂ hind femora and the aedeagus.

**Distribution:** Turkey.

**Subg. *Euryceble* HLISNIKOVSKY, 1964**

***Agathidium (Euryceble) illustre* ANGELINI & DE MARZO, 1993**

ANGELINI & DE MARZO 1993: 440.

**Material:** Malaysia, Sarawak, ca. 40 km SE Kapit, III.1994, leg. Kodada, 1 ♂ (NMW).

**Discussion:** The species was described from one ♂ specimen from Indonesia (Sumatra).

**Distribution:** Malaysia (Sarawak), Indonesia (Sumatra). New to Sarawak.

**Subg. *Microceble* ANGELINI & DE MARZO, 1986**

***Agathidium (Microceble) maculatum* group**

***Agathidium (Microceble) cf. aequalis* ANGELINI & DE MARZO, 1993**

ANGELINI & DE MARZO 1993: 454.

**Material:** Malaysia, Sarawak, ca. 25 km E Kapit, III.1994, leg. Kodada, 1 ♀ (NMW).

**Discussion:** The species was described from two ♂♂ from Sabah; the female of this species was previously unknown. The specimen studied here differs only very slightly from those of the type series and is assigned only with reservation to this species.

**Distribution:** Malaysia (Sabah and Sarawak). New to Sarawak.

***Agathidium (Microceble) nebulosum* ANGELINI & DE MARZO, 1993**

ANGELINI & DE MARZO 1993: 462.

**Material:** Malaysia, Sarawak, ca. 40 km SE Kapit, III.1994, leg. Kodada, 2 ♂♂ (NMW and AC).

**Discussion:** The species was described from numerous specimens from Malaysia (Sabah). The new specimens do not significantly differ from the type specimens.

**Distribution:** Malaysia (Sabah and Sarawak). New to Sarawak.

***Agathidium (Microceble) grouvellei* group**

***Agathidium (Microceble) godawaricum* ANGELINI & DE MARZO, 1986**

ANGELINI & DE MARZO 1986: 869.

**Material:** Nepal, Godawari, 16. - 17.V.1992, leg. Jenis, 1 ♂, 1 ♀ (NMW and AC).

**Distribution:** Nepal.

*Agathidium (Microceble) andrewesi* group

*Agathidium (Microceble) nitidum* ANGELINI & DE MARZO, 1993

ANGELINI & DE MARZO 1993: 489.

**Material:** Indonesia, W Java, Gede-Pangrango National Park, way to Cibereum waterfall, 1500 - 1620 m, 2. - 3.VIII.1994, leg. Schuh, 1 ♂ (NMW).

**Distribution:** Indonesia (Java).

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