

New synonymy in ground-beetles of Southeast Asian region (Coleoptera, Carabidae)

Alexander Anichtchenko

Anichtchenko A. 2025. New synonymy in ground-beetles of Southeast Asian region (Coleoptera, Carabidae). *Baltic J. Coleopterol*, 25(2): 325 – 329.

Two new synonyms are proposed, *Callistomimus suturalis* Fleutiaux, 1887 syn. n. = *Callistomimus dicksoni* C.O. Waterhouse, 1884, and *Trichis ceylonica* (Ball & Hilchie, 1983) syn. n. = *Trichis maculata* Klug, 1832. *Callistomimus dicksoni* C.O. Waterhouse, 1884 is for the first time recorded from Laos and Vietnam. Photographs of the habitus of the type and additional material are provided.

Keywords: ground beetles, synonymy, country records.

Alexander Anichtchenko. Institute of Life Sciences and Technologies, Daugavpils University, Vienibas 13, Daugavpils, LV-5401, Latvia; e-mail: alexander.anishchenko@du.lv;
ORCID: <https://orcid.org/0000-0001-8512-830X>

INTRODUCTION

While processing recently collected material in Laos, an interesting species was discovered, allowing for an unexpected synonymy to be established. In addition, I'm including data on another new synonym, which became possible thanks to the digitalization of the collections by Smithsonian National Museum of Natural History.

The illustrations were made using either a Canon EOS 6D digital camera with a Canon MP-E 65mm macro lens using a StackShot macro rail system, and Helicon Focus software. Obtained images were subsequently edited in Photoshop CC 2019. High-resolution images of holotype and additional material are available at the “Carabidae of the World” web project (<https://carabidae.org>).

MATERIAL AND METHODS

Abbreviations used in article:

BMNH -The Natural History Museum, London, United Kingdom.

MNHUB - Museum für Naturkunde, Berlin, Germany.

cTM - collection of Tobias Mainda, Germany.

cAA - collection of Alexander Anichtchenko, Daugavpils, Latvia.

RESULTS

***Callistomimus dicksoni* C.O. Waterhouse, 1884**

Callistus (*Callistomimus*) *suturalis* Fleutiaux, 1887: 61. **Syn. n.** Type Locality: Annam: Hué.

Material: 1 female, holotype: “Type / H.T [round label] // Formosa. / 78.24 // *Callistomimus* / *Dicksoni*, / (Type) Waterh. // NHMUK016481329” (BMNH); 1 female:

Annam, Phuc-Son, Nov. Dez., H. Fruhstorfer (MNHUB); 16 ex: Laos central, Ban Gngang, Nam Nimboun riv., 17.958915, 104.746499, 20-24.XI.2025, Anichtchenko A. & Mainda T. leg. (cAA, cTM).

Diagnosis. Size 5.0-5.6 mm. Head blue, pronotum orange, with a slight lilac sheen at the base. Elytra dark blue, with a faint greenish sheen, along the suture with an orange stripe on the first and second intervals, widening towards the base and apex to the third interval. Margins of elytra narrowly yellow in apical third. Elytral disc a nearly black, velvety spot. The pubescence is white on the head, pronotum, along the elytral margins, and on the lighter areas of the elytral pattern (Figs 1-3). Legs yellow, with black apices of meso and meta femora and tibiae. Mesotibia of males with wide, black spur.

This species was presumably described on single specimen from Formosa (Taiwan).

Holotype, female (Fig. 1) deposited in BMNH. The study of the type specimen revealed its identity with *Callistus (Callistomimus) suturalis* Fleutiaux, 1887, the species previously known only from Vietnam from a few specimens. The new synonymy is proposed here.

Distribution. Vietnam, Taiwan and for the first time cited for Laos (Andrewes, 1921).

***Trichis maculata* Klug, 1832**

Trichis obscuricollis Pic, 1905: 274. Type Locality: Algier.

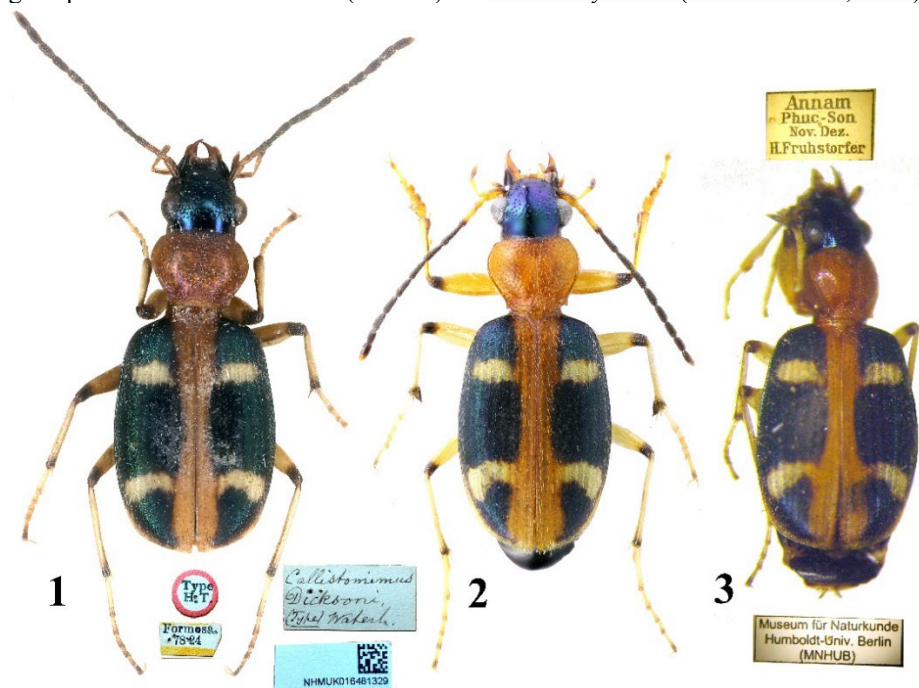
Trichis subsignata Pic, 1905: 274. Type Locality: Algier.

Trichis petrovitzi Mandl, 1973: 94-96. Type Locality: Süd-Iran, Bandar Abass.

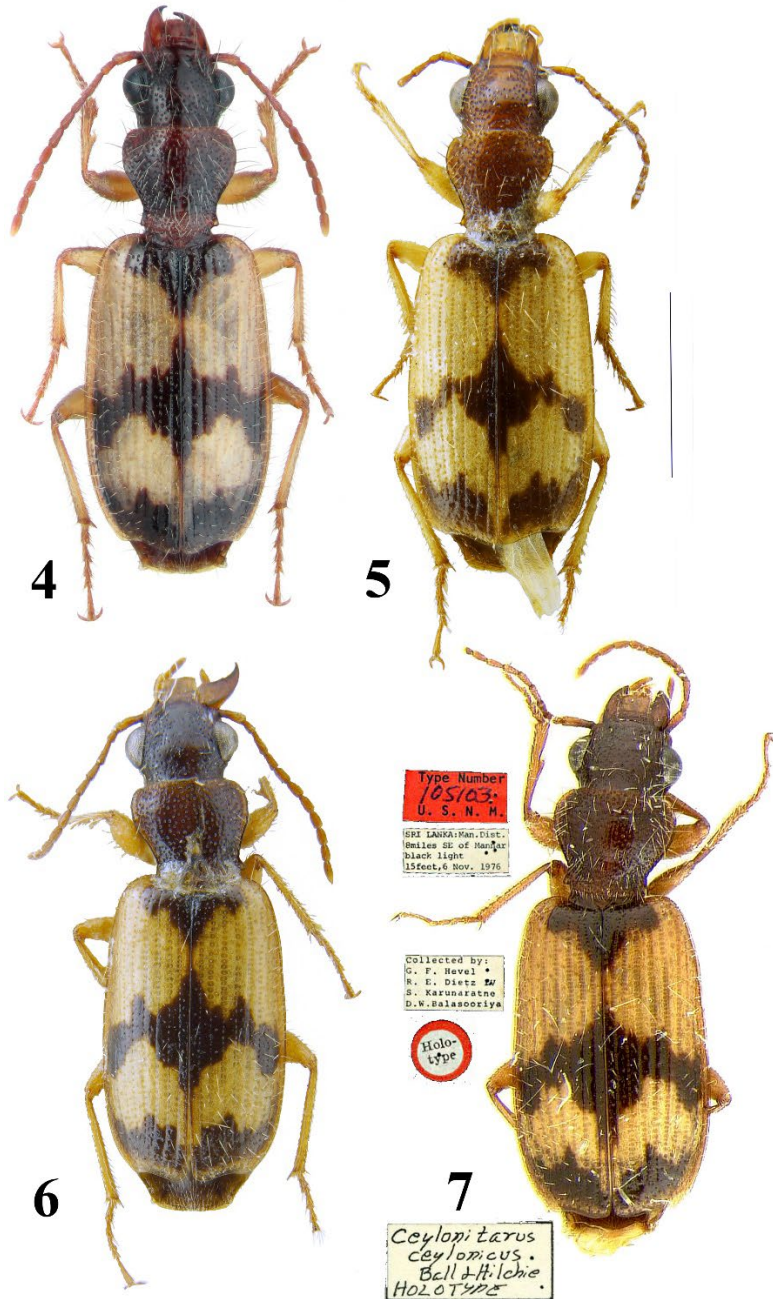
Trichis iranica Mandl, 1973: 96. Type Locality: Iran. Ahwaz, Kuzestan.

Ceylonitarsus ceylonicus Ball & Hilchie, 1983: 139. **syn. n.** Type Locality: Sri Lanka.

Trichis ceylonica (Ball & Hilchie, 1983)



Figures 1-3. Habitus of *Callistomimus dicksoni* C.O. Waterhouse, 1884. 1, holotype, female; 2, Laos, male; 3, *Callistomimus suturalis* Fleutiaux, 1887 **syn. n.**, Vietnam. Scale bar 1 mm. (Image 1 courtesy Dmitri Telnov, image 3 courtesy Erich Kirschenhofer).



Figures 4-7. Habitus of *Trichis maculata* Klug, 1832. 4, specimen from Uzbekistan; 5, Holotype of *Trichis petrovitzi* Mandl, 1973, female; 6, Holotype of *Trichis iranica* Mandl, 1973, female; 7, Holotype of *Ceylonitarsus ceylonicus* Ball & Hilchie, 1983 **syn. n.** Scale bar 2 mm. (Image 4 courtesy Kirill Makarov, images 5 and 6 courtesy Jan Muilwijk; image 7 courtesy Smithsonian National Museum of Natural History).

Comments. This species (Figs 4-7) is widely distributed from central Africa across Mediterranean, Near East and Central Asian regions (Anichtchenko, 2025; Bedel, 1907; Mandl, 1973; Mateu, 1990; Aistleitner & Baehr, 2016; Azadbakhsh & Nozari, 2015; Löbl & Löbl, 2017). A recent study of Muilwijk & Seiedy (2017) discussed the variability of the species and established a new synonymy of *T. petrovitzi* Mandl, 1973 and *T. iranica* Mandl, 1973 with *T. Maculata*. However, unfortunately, in his paper the type localities for these taxa were mixed up. This fact was noted by Dominique Roguet in our web-project Carabidae of the World.

A study of the holotype photograph (Fig. 7) of *Trichis ceylonica* (Ball & Hilchie, 1983), available on the site of Smithsonian National Museum of Natural History (<http://n2t.net/ark:/65665/3a663c7cb-ee2a-4f3f-90a4-15068ad7f408>) revealed that it is undoubtedly a synonym of *T. maculata*. The new synonymy is proposed here.

Distribution. Arab Emirates, Afghanistan, Algeria, Cape Verde, Cyprus, Egypt, Greece, Iran, India, Iraq, Israel, Kazakhstan, Libya, Morocco, Pakistan, Russia, Saudi Arabia, Senegal, Spain, Sri Lanka (country record), Syria, Tadjikistan, Turkmenistan, Turkey, Tunisia, Uzbekistan.

ACKNOWLEDGMENTS

I'm very grateful to Erich Kirschenhofer (Austria), Dmitry Telnov (the British Natural History Museum), Jan Muilwijk (Leiden, Netherlands) and Kirill Makarov (Moscow, Russia) for the kindly provided photographs of the holotypes and of additional material. Special thanks to Dominique Roguet (France) for the valuable bibliographic information on the website carabidae.org. Additionally, I would like to thank Sir Tobias Mainda (Greifswald,

Germany) for his tireless enthusiasm and friendly support during our trip to Laos. I am also very grateful to Riccardo Sciak (Milan, Italy) for his review of the manuscript.

REFERENCES

- Aistleitner E. & Baehr M. 2016. Sandlaufkäfer und Laufkäfer der Kapverden (Cabo Verde) (Coleoptera: Caraboidea, Cicindelidae, Carabidae). *Nachrichtenblatt der Bayerischen Entomologen* 65 (3-4): 50–55.
- Anichtchenko A. et al. (Eds.) (2025) Carabidae of the World. Available from: <http://www.carabidae.org> (accessed 6.11.2025).
- Azadbakhsh S. & Nozari J. 2015. Checklist of the Iranian Ground Beetles (Coleoptera; Carabidae). *Zootaxa* 4024 (1), 1–108.
- Fleutiaux E.J.B. 1887. Descriptions de coléoptères nouveaux de l'Annam rapportés par M. le capitaine Delauney. *Annales de la Société Entomologique de France* (6), 7: 59–68.
- Waterhouse C.O. 1884. Description of a new species of the Carabideous Genus *Callistomimus*. *Annals and Magazine of Natural History* 14: 429.
- Ball G.E. & Hilchie G.J. 1983. Cymindine Lebiini of authors: redefinition and reclassification of genera (Coleoptera: Carabidae). *Quaestiones Entomologicae* 19: 93–216.
- Bedel L. 1907. *Catalogue raisonné des Coléoptères du nord de l'Afrique*. Paris: Société Entomologique de France. 402 pp.
- Löbl I. & Löbl D. (eds) 2017. Catalogue of Palearctic Coleoptera. Archostemata-

- Myxophaga-Adephaga. Vol. 1. Revised and updated edition. *Brill, Leiden, Boston*, xxxiv + 1443 pp.
- Klug J. C. F. 1832. Decas tertia; Sheets a-f, pl. xxi xxx In: *Symbolae Physicae, seu icônes et descriptiones insectorum, quae ex itinere per Africam borealem et Asiam occidentalem Friderici Guilelmi Hemprich et Christiani Godofredi Ehrenberg studio novae aut illustratae redierunt. Berlin: Mittler, 42 unn. Sheets + 50 pl.*
- Mandl K. 1973. Bausteine zur Kenntnis der Familie Carabidae (Col.). *Entomologische Arbeiten aus dem Museum G. Frey* (24), 88–100.
- Mateu J. 1990. Contribution à la connaissance des Coléoptères carabiques de l'archipel du Cap Vert. *Spixiana* 13(2): 187–193.
- Muilwijk J. & Seiedy M. 2017. Genus *Trichis* (Coleoptera: Carabidae) and its newsynonymies in Iran. *Journal of Entomological Society of Iran*, 37(2): 273–276.
- Mandl K. 1973. Bausteine zur Kenntnis der Familie Carabidae (Col.). *Entomologische Arbeiten aus dem Museum G. Frey* (24), 88–100.

Received: 08.12.2025.

Accepted: 18.12.2025.