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The crustacean types in the Zoological Museum of the Moscow State University. I. Amphipoda 1 (Crustacea)

Типы ракообразных в Зоологическом музее МГУ. I. Amphipoda 1 (Crustacea)

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КЛЮЧЕВЫЕ СЛОВА: бокоплавы, музейные коллекции, типы, голотипы, паратипы, неотипы.

ABSTRACT: A type catalogue of 69 amphipod species in nine families (Crangonyctidae, Eriopisidae, Eulimnogammaridae, Gammaridae, Liljeborgiidae, Niphargidae, Pleustidae, Stenothoidae, Talitridae) from the collection of the Zoological Museum of Moscow State University comprising 62 holotypes, 420 paratypes and seven neotypes is presented. In addition, three species for which the neotypes were incorrectly designated are also included. Other depositories housing remaining types of the species catalogued are provided as well.

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РЕЗЮМЕ: Представлен каталог 62 голотипов, 420 паратипов и семь неотипов, относящихся к 69 видам бокоплавов (Amphipoda). Они принадлежат к 9 семействам (Crangonyctidae, Eriopisidae, Eulimnogammaridae, Gammaridae, Liljeborgiidae, Niphargidae, Pleustidae, Stenothoidae, Talitridae) и хранятся в Зоологическом музее МГУ. Приведено еще три вида с некорректно выделенными неотипами. Также перечислены другие хранилища, в которых размещены другие типы указанных видов.

Introduction

This paper is the first in a series of publications devoted to cataloguing the types of crustaceans stored in the Zoological Museum of the Moscow State University (hereafter ZMMU), and the seventh standardised paper on non-insect arthropods. This series started in 2016. As mentioned earlier [Mikhailov, Ivanov, 2018], the collection of invertebrate types at the ZMMU includes holo-, para-, neo-, and syntypes of more than 3,000 species, of which about 700 species belong to Crustacea. The ZMMU crustacean collection was founded in the 1860s and currently contains more than 100,000 specimens of Decapoda, Amphipoda, Isopoda, Copepoda, Cladocera, Tanaidacea, Thecostraca and other groups (K.G. Mikhailov, unpubl. data).

Traditionally, at least since the 1930s, the following handwritten documentation has been accepted in the ZMMU: (1) departmental register, (2) numerous inventory books on diverse invertebrate groups (see Fig. 1 for Amphipoda), and (3) type card index. Unfortunately, only a small portion of this documentation has been digitised to date.

The collection of crustaceans in Moscow is the second largest among all Russian and former Soviet natural history museums, second only to the collection of the Zoological Institute of the Russian Academy of Sciences in St. Petersburg. At the ZMMU, the collection of crustacean types is kept separately from the main collection of this group.

The following indices are used for crustaceans in the ZMMU registers: Ma — Decapoda, Mb — Amphipoda, Mc — Isopoda, Md — Phyllopoda, Me — Copepoda, Mf — Ostracoda (no types), Mg — Thecostraca incl. Cirripedia, Mh — Tanaidacea, Mj — Tantulocarida, Mk — Stomatopoda (no types), Ml — Cladocera, Mm — Cumaceae (no types).

Earlier, another list of the types of 62 amphipod species described by Ya.A. Birshtein (Birštein) and M.E. Vinogradov was presented, based on a different standard [Vinogradov, Vinogradov, 2006].

Methods

The following sequence of data is accepted in the present type catalogue: species name in the original description; a reference to the first description; transcription of data labels; list of other collections where the remaining types of the corresponsding species are kept; remarks; current taxonomic status of the species.

When necessary, label abbreviations from and additions to original descriptions are put in angled brackets, <>. Authors' comments to the labels are given in square brackets, []. An

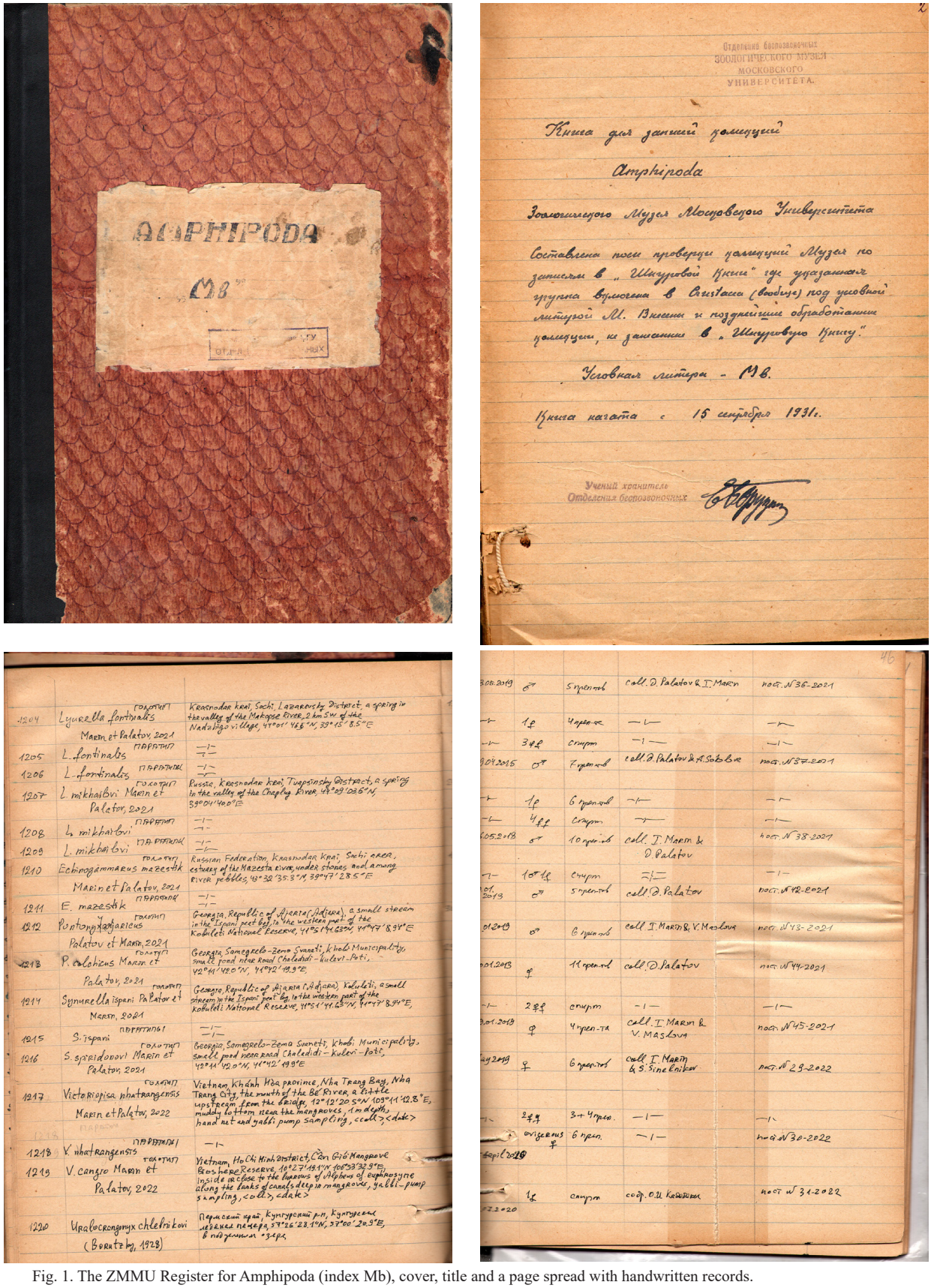

Fig. 1. The ZMMU Register for Amphipoda (index Mb), cover, title and a page spread with handwritten records.

Рис. 1. Инвентарная книга амфипод (Amphipoda, индекс Mb) Зоологического музея МГУ, обложка, титульная страница и разворот с записями.

English translation of the original Russian labels is given in figure brackets, {}.

The amphipod material is preserved in alcohol and on microscope slides, and the number of slides is also indicated.

Museums or personal collections are abbreviated as follows: BM — Baikalian Museum, Siberian Branch, Russian Academy of Sciences (Listvyanka, Irkutsk Area, Russia); ETMNH — East Tennessee State University Museum of Natural History (Gray, Tennessee, USA); IT — the personal collection of I.S. Turbanov (Borok, Yaroslavl Area, Russia); IZISU — Institute of Zoology, Ilia State University (Tbilisi, Georgia); LEMMI — the personal collection of I.N. Marin & D.M. Palatov, kept in the A.N. Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences (earlier in the Laboratory of Ecology and Evolution of Marine Invertebrates of this Institute) (Moscow, Russia); ZMFU — Zoological Museum, Far East Federal University (Vladivostok, Russia); ZMMU — Zoological Museum, Moscow State University (Moscow, Russia, curator K.G. Mikhailov). The whereabouts of other types, apart from those held at the ZMMU, are given based on the original descriptions. In the ZMMU, museum accession numbers for Amphipoda are indexed with 'Mb' which is put at the beginning of museum labels. Labels are transcribed literally, with mistakes being indicated in comments.

The following translations of the administrative units are used in the following text: Area for "область, oblast", District for "район, rayon", Province for "край, kray". The nomenclature mostly follows World Amphipoda Database [Horton *et al*., 2025].

Type catalogue

abchasicus Marin et Palatov, 2023, ***Pontonyx***

Marin, Palatov, 2023b: 185–193, figs 8–14.

Mb-1257. Holotype ♂ (9 slides), Abchazia, Ochamchira District, about 20 km east of Tqwarchal town, area of former Akarmara Railway Station, 42°51′04.1″ N 41°48′48.14″ E, 760 m asl, 18 June 2022, coll. D. Palatov et I. Marin.

Mb-1258. Paratype ♀ (8 slides), Abchazia, Ochamchira District, about 20 km east of Tqwarchal town, area of former Akarmara Railway Station, 42°51'04.1" N 41°48'48.14" E, 760 m asl, 18 June 2022, coll. D. Palatov et I. Marin.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (1 ♂, 8 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Pontonyx abchasicus* Marin et Palatov, 2023 (Crangonyctidae).

actiniae Marin, Sinelnikov et Antokhina, 2022, ***Pleusymtes***

Marin *et al*., 2022a: 168–177, figs 1–5.

Mb-1222. Holotype ♀, Северо-Восточная Атлантика, Баренцево море, побережье России (Мурман), бухта Долгая (губа Долгая) {North East Atlantic, Barents Sea, coast of Russia (Murman), Dolgaya Bay (Dolgaya Gulf)}, 69°11′07.5″N, 34°58′02.8″E, на морских анемонах {on marine anemones} *Urticina eques*, растущих на скальной стене {growing on a rock wall}, глубина 16–18 м {depth 16–18 m}, SCUBA, 21.08.2019, собр. Т. Антохина {coll. T. Antokhina}.

Mb-1223. Paratype ♂, Северо-Восточная Атлантика, Баренцево море, побережье России (Мурман), бухта Долгая (губа Долгая {North East Atlantic, Barents Sea, coast of Russia (Murman), Dolgaya Bay (Dolgaya Gulf)}, 69°11′07.5″N, 34°58′02.8″E, на морских анемонах {on marine anemones} *Urticina eques*, растущих на скальной стене {growing on a rock wall}, глубина 16–18 м {depth 16–18 m}, SCUBA, 21.08.2019, собр. Т. Антохина {coll. T. Antokhina}.

Mb-1224. Paratype ♀, Северо-Восточная Атлантика, Баренцево море, побережье России (Мурман), бухта Долгая (губа Долгая) {North East Atlantic, Barents Sea, coast of Russia (Murman), Dolgaya Bay (Dolgaya Gulf)}, 69°11′07.5″N, 34°58′02.8″E, на морских анемонах {on marine anemones} *Urticina eques*, растущих на скальной стене {growing on a rock wall}, глубина 16–18 м {depth 16–18 m}, SCUBA, 21.08.2019, собр. Т. Антохина {coll. T. Antokhina}.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (1 ♂, 2 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Pleusymtes actiniae* Marin, Sinelnikov et Antokhina, 2022 (Pleustidae).

adegoyi Marin et Palatov, 2022, ***Synurella***

Marin, Palatov, 2022b: 432–439, figs 4h–n, 28–32.

Mb-1236. Holotype ♀ (9 slides), Russia, Krasnodar Krai, Gelendzhyk area, the upper stream of the Adegoy River, in the river hyporhea, 44°44′27.39″ N 37°54′03.71″ E, 8.11.2021. coll. I. Marin & S. Sinelnikov.

Mb-1237. Paratype ♂ (7 slides), Russia, Krasnodar Krai, Gelendzhyk area, the upper stream of the Adegoy River, in the river hyporhea, 44°44′27.39″ N 37°54′03.71″ E, 8.11.2021. coll. I. Marin & S. Sinelnikov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (12 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Synurella adegoyi* Marin et Palatov, 2022 (Crangonyctidae).

adjaricus Palatov et Marin, 2021, ***Pontonyx***

Palatov, Marin, 2021d: 447–454, figs 2–6.

Mb-1212. Holotype ♂ (5 slides), Georgia, Republic of Ajaria (Adjara), a small stream in the Ispani peat bog, in the western part of the Kobuleti National Reserve, 41°51′41.63″N 41°47′8.94″E, 30.01.2013, coll. D. Palatov.

REMARKS. The species was described only from the holotype. Additional non-type specimens (8 ♂♂) used in the original description are in LEMMI.

CURRENT STATUS. *Pontonyx adjaricus* Palatov et Marin, 2021 (Crangonyctidae).

alanicus Marin et Palatov, 2021, ***Niphargus***

Marin, Palatov, 2021: 166–178, figs 2–7, 12a, b, h.

Mb-1163. Holotype ♀ (7 slides), Republic of North Ossetia – Alania, Irafsky District, Fansal village, 42°56.098′ N, 43°49.034′ E, puddles at bottom of abandoned mine near the village, coll. D. Palatov, 31.12.2017.

Mb-1164. Paratypes 16 ♀♀, Russia, Caucasus, North Ossetia – Alania, Irafsky District, Fansal village, 42°56.098′ N, 43°49.034′ E, puddles at bottom of abandoned mine near the village, 31.12.2017, coll. D. Palatov.

REMARKS. Although the whereabouts of other types (38 female paratypes) were not used in the original description, they are in fact LEMMI (I.N. Marin, pers. comm.).

CURRENT STATUS. *Niphargus alanicus* Marin et Palatov, 2021 (Niphargidae).

alisai Marin, Krylenko et Palatov, 2021, ***Niphargus***

Marin *et al*., 2021a: 282–290, figs 17–20, 33E.

Mb-1192. Holotype ♂ (7 slides), Russia, Krasnodar Krai, Gelendzhik Urban area, S slope of the Tuapkhat Ridge, <small spring,> 44°34.902′N, 37°57.971′E, 20.04.2018, coll. I. Marin & D. Palatov.

Mb-1193. Paratypes 2 ♂♂, 8 ♀♀, Russia, Krasnodar Krai, Gelendzhik Urban area, S slope of the Tuapkhat Ridge, <small spring,> 44°34.902′N, 37°57.971′E, 20.04.2018, coll. I. Marin & D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (numerous ♂♂ and ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus alisae* Marin, Krylenko et Palatov, 2021 (Niphargidae).

amirani Marin, 2020, ***Niphargus***

Marin, 2020b: 422–430, figs 2–7, 8a.

Mb-1167. Holotype ♂, Кавказ, Зап. Грузия, Имеретинский р-н, Цхалтубо-Кумистави, пещ. Кумистави (Прометея) {Caucasus, West Georgia, Imereti Distr., Tskhaltubo-Kumistavi, Kumistavi (Prometheus) Cave}, 42°22′35.8″ N 42°36′03.2″ E, в подземном ручье {in subterranean stream}, ок. 100 м н.у.м. {ca. 100 m a.s.l.}, 15.IX.2016, собр. И. Марин {leg. I. Marin}.

Mb-1168. Paratype ♀, Кавказ, Зап. Грузия, Имеретинский р-н, Цхалтубо-Кумистави, пещ. Кумистави (Прометея) {Caucasus, West Georgia, Imereti Distr., Tskhaltubo-Kumistavi, Kumistavi (Prometheus) Cave}, 42°22′35.8″ N 42°36′03.2″ E, в подземном ручье {in subterranean stream}, ок. 100 м н.у.м. {ca. 100 m a.s.l.}, 15.IX.2016, собр. И. Марин {leg. I. Marin}.

REMARKS. Other paratypes (2 ♂♂, 4 ♀♀) are in LEMMI.

CURRENT STATUS. *Niphargus amirani* Marin, 2020 (Niphargidae).

ardonicus Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025a: 252.

Marin, Palatov, 2024c [n.nud.]: 9, figs S1–S4, S11a, b.

Mb-1282. Holotype ♀ (9 slides), Russian Federation, Republic of North Ossetia–Alania, Alagirsky District, a spring in valley of Ardon River, about 8 km S of Alagir, 42°55′31.79″N, 44°11′26.14″E, 823 m a.s.l., 3.10.2020, coll. D. Palatov.

Mb-1283. Paratypes 2 ♀♀, Russian Federation, Republic of North Ossetia–Alania, Alagirsky District, a spring in valley of Ardon River, about 8 km S of Alagir, 42°55′31.79″N, 44°11′26.14″E, 823 m a.s.l., 3.10.2020, coll. D. Palatov.

REMARKS. Types are kept only in ZMMU. In the original description [Marin, Palatov, 2024c], the accession numbers of the holotype and paratype were erroneously given as Mb-1269 and Mb-1270, respectively. These numbers were corrected by Marin & Palatov [2025a].

CURRENT STATUS. *Niphargus ardonicus* Marin et Palatov, 2025 (Niphargidae).

ashamba Marin, Krylenko et Palatov, 2021, ***Niphargus***

Marin *et al*., 2021a: 290–298, figs 21–24, 33D.

Mb-1190. Holotype ♂ (8 slides), Russia, Krasnodar Krai, Gelendzhik area, NW slope of Tuapkhat Ridge, stream in the valley of the Ashamba River, 44°36.435′N, 38°0.073′E, 7.01.2018, coll. S. Krylenko.

Mb-1191. Paratypes 2 ♂♂, 3 ♀♀, Russia, Krasnodar Krai, Gelendzhik area, NW slope of Tuapkhat Ridge, stream in the valley of the Ashamba River, 44°36.435′N, 38°0.073′E, 7.01.2018, coll. S. Krylenko.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (numerous ♂♂ and ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus ashamba* Marin, Krylenko et Palatov, 2021 (Niphargidae).

asheensis Palatov et Marin in Marin et Palatov, 2021, ***Lyurella***

Marin, Palatov, 2021c: 157–165, figs 19–23.

Mb-1198. Holotype ♂ (6 slides), Russia, Krasnodar krai, Sochi, Lazarevsky District, a spring near the Kalezh village and Krasnoaleksandrovskaya Cave, 44°0′55.87″N 39°21′54.09″E, 30.04.2015, coll. D. Palatov & A. Sokolova.

Mb-1199. Paratype ♀ (4 slides), Russia, Krasnodar krai, Sochi, Lazarevsky District, a spring near the Kalezh village and Krasnoaleksandrovskaya Cave, 44°0′55.87″N 39°21′54.09″E, 30.04.2015, coll. D. Palatov & A. Sokolova.

Mb-1200. Paratypes 3 ♀♀, Russia, Krasnodar krai, Sochi, Lazarevsky District, a spring near the Kalezh village and Krasnoaleksandrovskaya Cave, 44°0′55.87″N 39°21′54.09″E, 30.04.2015, coll. D. Palatov & A. Sokolova.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (25 ♂♂, 44 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Lyurella asheensis* Palatov et Marin in Marin et Palatov, 2021 (Crangonyctidae).

associata Marin, 2020, ***Liljeborgia***

Marin, 2020a: 4–13, figs 1–5.

Mb-1153. Holotype ♀, Японское море {Sea of Japan}, зал. Восток {Vostok Bay}, 42°54′35.8″ N, 132°44′08.7″ E, глуб. 1–1,5 м {depth 1–1.5 m}, норы {burrows of} Urechis unicinctus, 30–31.VII.2017, leg. И.Н. Марин {I.N. Marin}.

Mb-1154. Paratype ♂, Японское море {Sea of Japan}, зал. Восток {Vostok Bay}, 42°54′35.8″ N, 132°44′08.7″ E, глуб. 1–1,5 м {depth 1–1.5 m}, норы {burrows of} Urechis unicinctus, 30–31.VII.2017, leg. И.Н. Марин {I.N. Marin}.

Mb-1155. Paratype ♀, Японское море {Sea of Japan}, зал. Восток {Vostok Bay}, 42°54′35.8″ N, 132°44′08.7″ E, глуб. 1–1,5 м {depth 1–1.5 m}, норы {burrows of} Urechis unicinctus, 30–31.VII.2017, leg. И.Н. Марин {I.N. Marin}.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (1 ♂, 14 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Liljeborgia associata* Marin, 2020 (Liljeborgiidae).

behningi Birştein, 1948, ***Synurella***

Synurella (*Boruta*) *behningi* Birştein, 1948: 702–703, fig. 1.

Marin, Palatov, 2022b: 413–419, figs 14–17; designated the neotype ♂.

Mb-1231. Neotype ♂ (9 slides), Abkhazia, Gudauta region, Bacha Cave, inside a small subterranean spring, 43°13′50″ N, 40°30′57.5″ E, 6.02.2020. coll. D. Palatov.

REMARKS. The neotype was designated because the original type material by Birştein [1948] had been lost. Additional specimens (4 ♀♀) used in the redescription of the species [Marin, Palatov, 2022b] are in LEMMI.

CURRENT STATUS. *Synurella behningi* Birştein, 1948 (Crangonyctidae).

behningi Marin et Palatov, 2024, ***Volgonyx***

Marin, Palatov, 2024b: 345–351, figs 2–5.

Mb-1280. Holotype ♂ (10 slides), Russian Federation, Samara Region, Zhiguli Mountains, Zhigulevsk, inside a small spring-well (Morkshavinskiy Well), 53°24′55.8″N 49°32′15.5″E, 14.08.2023, coll. I. Marin & D. Palatov.

Mb-1281. Paratype ♀, Russian Federation, Samara Region, Zhiguli Mountains, Zhigulevsk, inside a small spring-well (Morkshavinskiy Well), 53°24′55.8″N 49°32′15.5″E, 14.08.2023, coll. I. Marin & D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (1 ♂, 1 ♀) used in the original description are in LEMMI.

CURRENT STATUS. *Volgonyx behningi* Marin et Palatov, 2024 (Crangonyctidae).

bzhidik Marin, Krylenko et Palatov, 2021, ***Niphargus***

Marin *et al*., 2021b: 486–496, figs 1–9.

Mb-1160. Holotype ♂, Krasnodar Region, Gelendzhik area, a small spring in a tributary of Pshada River, 44°28′08.71″ N, 38°25′54.64″ E, 6.01.2019, leg. S. Krylenko.

Mb-1161. Paratype ♀, Krasnodar Region, Gelendzhik area, a small spring in a tributary of Pshada River, 44°28′08.71″ N, 38°25′54.64″ E, 6.01.2019, leg. S. Krylenko.

Mb-1162. Paratype ♀, Krasnodar Region, Gelendzhik area, a small spring in a tributary of Pshada River, 44°28′08.71″ N, 38°25′54.64″ E, 6.01.2019, leg. S. Krylenko.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (3 ♂♂, 24 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus bzhidik* Marin, Krylenko et Palatov, 2021 (Niphargidae).

cangio Marin et Palatov, 2022, ***Victoriopisa***

Marin, Palatov, 2022c: 142–149, figs 2c, 8–11, 12b.

Mb-1219. Holotype ovigerous ♀ (6 slides), Vietnam, Ho Chi Minh District, Cần Giớ Mangrove Biosphere Reserve, 10°27′19.1″N 106°53′32.9″E, inside or close to the burrows of *Alpheus* cf. *euphrosyne* along the banks of canals deep in mangroves, yabby-pump sampling, coll. I. Marin & S. Sinelnikov, 25 April 2020

REMARK. The species was described only from the holotype.

CURRENT STATUS. *Victoriopisa cangio* Marin et Palatov, 2022 (Eriopisidae).

cavatica Palatov et Marin, 2023, ***Diasynurella***

Palatov, Marin, 2023: 40–45, figs 12–15, 20a, b.

Mb-1252. Holotype ♀ (8 slides), Georgia, Samegrelo-Zemosvaneti, Garakha cave, 42°31′47.5″ N, 42°10′39.2″ E, about 200 m asl, hand net sampling, 3 February 2017, coll. D. Palatov.

REMARKS. The species was described only from the holotype.

CURRENT STATUS. *Diasynurella cavatica* Palatov et Marin, 2023 (Crangonyctidae).

circassianus Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025a: 244–251, figs 2–6.

Mb-1297. Holotype ♂ (9 slides), Russian Federation, Republic of Adygea, Maykop District, in a small spring (helokrene) located in the Belaya River valley, 4 km upstream from Dakhovskaya village, 44°11′13.06″N 40°09′50.51″E, about 505 m asl., 10.07.2023, coll. I. Marin, D. Palatov.

Mb-1298. Paratypes 1 ♂, 3 ♀♀, Russian Federation, Republic of Adygea, Maykop District, in a small spring (helokrene) located in the Belaya River valley, 4 km upstream from Dakhovskaya village, 44°11′13.06″N 40°09’50.51″E, about 505 m asl., 10.07.2023, coll. I. Marin, D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (3 ♂♂, 11 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus circassianus* Marin et Palatov, 2025 (Niphargidae).

ciscaucasica Marin et Palatov, 2023, ***Cryptochestia***

Marin, Palatov, 2023a: 282–289, figs 1–6.

Mb-1261. Holotype ♂ (8 slides), Russian Federation, Rostov Oblast’, Rostov-on-Don, Proletarskiy district, 47°13′59.9″ N 39°47′00.1″ E, about 40 m asl, a small spring on a shore of Kiziterinka river, 18 May 2022, coll. D. Palatov et I. Marin.

Mb-1262. Paratype ♀ (8 slides), Russian Federation, Rostov Oblast’, Rostov-on-Don, Proletarskiy district, 47°13′59.9″ N 39°47′00.1″ E, about 40 m asl, a small spring on a shore of Kiziterinka river, 18 May 2022, coll. D. Palatov et I. Marin.

Mb-1263. Paratypes 1 ♂, 1 ♀, Russian Federation, Rostov Oblast’, Rostov-on-Don, Proletarskiy district, 47°13′59.9″ N 39°47′00.1″ E, about 40 m asl, a small spring on a shore of Kiziterinka river, 18 May 2022, coll. D. Palatov et I. Marin.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (14 ♂♂, 29 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Cryptochestia ciscaucasica* Marin et Palatov, 2023 (Talitridae).

ciscaucasicus Marin et Palatov, 2019, ***Niphargus***

Marin, Palatov, 2019: 337–345, figs 1–4.

Mb-1148. Holotype ♂, Western Ciscaucasus, Russian Federation, Krasnodar region, Apsheronsky District, 44°27′54.9″ N, 39°45′20.6″ E, a small well on outskirts of the Apsheronsk town, leg. D. Palatov, 10.01.2019.

Mb-1149. Paratypes 1 ♂, 2 ♀♀, Western Ciscaucasus, Russian Federation, Krasnodar region, Apsheronsky District, 44°27′54.9″ N, 39°45′20.6″ E, a small well on outskirts of the Apsheronsk town, leg. D. Palatov, 10.01.2019.

REMARKS. Types are kept only in ZMMU. The whereabouts of additional non-type specimens (4 ♂♂, 14 ♀♀) used in the original description remain unlnown, likely to be in LEMMI. In the original description, the collectors were given as ‘D. Palatov & E. Chertoprud’

CURRENT STATUS. *Niphargus ciscaucasicus* Marin et Palatov, 2019 (Niphargidae).

colchicus Marin et Palatov, 2021, ***Pontonyx***

Palatov, Marin, 2021d: 454–459, figs 7–10.

Mb-1213. Holotype male (6 slides), Georgia, Samegrelo-Zemo Svaneti, Khobi Municipality, small pond near road Chaladidi–Kulevi–Poti, 42°11′42.0″N 41°42′19.9″E, 29.01.2019, coll. I. Marin & V. Maslova.

REMARKS. The species was described only from the holotype. Additional non-type specimens (3 ♂♂) used in the original description are in LEMMI.

CURRENT STATUS. *Pontonyx colchicus* Marin et Palatov, 2021 (Crangonyctidae).

dederkoy Marin et Palatov in Marin, Krylenko et Palatov, 2021, ***Niphargus***

Marin *et al*, 2021a: 305–313, figs 29–32, 33F.

Mb-1196. Holotype ♀ (9 slides), Russia, Krasnodar Krai, SE slope of the Great Caucasian Ridge, Tuapse district, small spring in the riverbed of the Dederkoy River, 44°04.007′N, 39°08.380′E, 13.05.2019, coll. I. Marin & D. Palatov.

Mb-1197. Paratypes 7 ♀♀, Russia, Krasnodar Krai, SE slope of the Great Caucasian Ridge, Tuapse district, small spring in the riverbed of the Dederkoy River, 44°04.007′N, 39°08.380′E, 13.05.2019, coll. I. Marin & D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (6 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus dederkoy* Marin et Palatov in Marin, Krylenko et Palatov, 2021 (Niphargidae).

dershavini Behning, 1928, ***Synurella***

Behning, 1928: 40–47, text-fig. 2, plate 1.

Marin, Palatov, 2021d: 49–58, figs 1–5; designated the neotype ♂.

Mb-1170. Neotype ♂ (11 slides), Rheokren on the southern slope of the Lysaya Mount in the city of Saratov, 51°31.409′ N, 45°56.083′ E, coll. D. Palatov, I. Marin & V. Maryinsky, 06.09.[20]20.

REMARK. The neotype was designated because the original type material by Behning [1928] had been lost. Additional specimens used in the species redescription [Marin, Palatov, 2021d] are in ZMMU (Mb-1171, ♀, 8 slides, Mb-1172, 2 ♂♂, Mb-1173, 3 ♀♀, all label data are as in Mb-1170).

CURRENT STATUS. *Volgonyx dershavini* (Behning, 1928) (Crangonyctidae).

donensis Martynov, 1919, ***Synurella***

Synurella ambulans donensis Martynov, 1919: 50–51 (=reprint: 12–13).

Marin, Palatov, 2023b: 176–185, figs 1–7; designated the neotype ♂.

Mb-1255. Neotype ♂ (9 slides), Russian Federation, Rostov oblast’, Rostov-on-Don, Proletarskiy district, 47°13′59.9″ N 39°47′00.1″ E, about 40 m asl, a small spring on a shore of Kiziterinka river, 18 May 2022, coll. D. Palatov et I. Marin.

REMARK. The neotype was designated because the original type material by Martynov [1919] had been lost. Additional specimens mentioned in the species redescription [Marin, Palatov, 2023b] are in ZMMU (Mb-1256, 1 ♂, 1 ♀) and LEMMI (3 ♂♂, 2 ♀♀).

CURRENT STATUS. *Pontonyx donensis* (Martynov, 1919) [Marin, Palatov, 2023b] (Crangonyctidae).

dromaderus Marin et Palatov, 2022, ***Dursogammarus***

Marin, Palatov, 2022a: 239–245, figs 1–7.

Mb-1225. Holotype ♂ (8 slides), Russia, Krasnodar Krai, Novorossiysk Area, mouth of Dursu river, in the stream under a thick layer of coastal pebbles. 44°40′42.1″ N, 37°33′41.9″ E. 20.07.2021. coll. D.M. Palatov & I.N. Marin.

Mb-1226. Paratype ♀, Russia, Krasnodar Krai, Novorossiysk Area, mouth of Dursu river, in the stream under a thick layer of coastal pebbles. 44°40′42.1″ N, 37°33′41.9″ E. 20.07.2021. coll. D.M. Palatov & I.N. Marin.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (6 ♂♂, 1 ♀) used in the original description are in LEMMI.

CURRENT STATUS. *Dursogammarus dromaderus* Marin et Palatov, 2022 (Gammaridae).

dursi Marin, Palatov et Copilaş-Ciocianu, 2023, ***Litorogammarus***

Marin *et al*., 2023: 491–498, figs 4–8.

Mb-1243. Holotype ♂ (9 slides), Russia, Krasnodar Krai, Novorossiysk area, lower part of Durso river, about 30–40 meters from its mouth, 44°40′44.0″ N 37°33′41.6″ E, 20.07.2021, coll. D.M. Palatov & I.N. Marin.

Mb-1244. Paratypes 2 ♂♂, 3 ♀♀, Russia, Krasnodar Krai, Novorossiysk area, lower part of Durso river, about 30–40 meters from its mouth, 44°40′44.0″ N 37°33′41.6″ E, 20.07.2021, coll. D.M. Palatov & I.N. Marin.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (3 ♂♂, 3 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Litorogammarus dursi* Marin, Palatov et Copilaş-Ciocianu, 2023 (Gammaridae).

dzhamirzoevi Palatov et Marin, 2023, ***Diasynurella***

Palatov, Marin, 2023: 32–40, figs 6–11.

Mb-1250. Holotype ♀ (9 slides), Russian Federation, Dagestan, Magaramkent district, Samur forest, about –1 m asl, 41°50′35.5″ N, 48°33′31.2″ E, in small forest spring, hand net sampling, 31 December 2021, coll. D. Palatov.

Mb-1251. Paratypes 2 ♀♀, Russian Federation, Dagestan, Magaramkent district, Samur forest, about –1 m asl, 41°50′35.5″ N, 48°33′31.2″ E, in small forest spring, hand net sampling, 31 December 2021, coll. D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (2 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Diasynurella dzhamirzoevi* Palatov et Marin, 2023 (Crangonyctidae).

etingovae Moskalenko, Neretina et Yampolsky, 2020, ***Eulimnogammarus***

Moskalenko *et al*., 2020: 462–465, figs 1A, 2.

Mb-1180. Holotype ♀, South Baikal, near Kultuk, 51.696<°> N, 103.874<°> E, depth 10–20 m, dredge on sandy substrate, August 2013. Coll.: L. Yampolsky, A. Etingova.

REMARK. Numerous paratypes of both sexes, which were not counted by Moskalenko *et al*. [2020] are in ETMNH and BM.

CURRENT STATUS. *Eulimnogammarus etingovae* Moskalenko, Neretina et Yampolsky, 2020 (Eulimnogammaridae).

fanagorica Palatov et Marin in Marin et Palatov, 2021, ***Lyurella***

Marin, Palatov, 2021c: 142–149, figs 9–13.

Mb-1201. Holotype ♂ (4 slides), Russia, Krasnodar krai, Goryachy Klyuch Urban Okrug, a small stream in the valley of the Chepsi River, 3.8 km SW of the Fanagoriyskaya village, 44°29′44.04″N, 39°3′18.48″E, 22.04.2018, coll. D. Palatov & I. Marin.

Mb-1202. Paratype ♀ (6 slides), Russia, Krasnodar krai, Goryachy Klyuch Urban Okrug, a small stream in the valley of the Chepsi River, 3.8 km SW of the Fanagoriyskaya village, 44°29′44.04″N, 39°3’18.48”E, 22.04.2018, coll. D. Palatov & I. Marin.

Mb-1203. Paratypes 2 ♀♀, Russia, Krasnodar krai, Goryachy Klyuch Urban Okrug, a small stream in the valley of the Chepsi River, 3.8 km SW of the Fanagoriyskaya village, 44°29′44.04″N, 39°3′18.48″E, 22.04.2018, coll. D. Palatov & I. Marin.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (9 ♂♂, 20 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Lyurella fanagorica* Palatov et Marin in Marin et Palatov, 2021 (Crangonyctidae).

fiagdonicus Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025a: 253.

Marin, Palatov, 2024c [n.nud.]: 10, figs S5, S6, S11c, d.

Mb-1284. Holotype ♀ (8 slides), Russian Federation, Republic of North Ossetia–Alania, Alagirsky District, a spring in valley of Fiagdon River, near Alan Holy Dormition male monastery in Hidikus vill., 42°49′18.5″N, 44°16′17.8″E, 1295 m a.s.l., 16.05.2023, coll. D. Palatov.

REMARKS. The species was described only from the holotype. In the original description [Marin, Palatov, 2024c], the accession number of the holotype was erroneously given as Mb-1271. This number was corrected by Marin & Palatov [2025a]

CURRENT STATUS. *Niphargus fiagdonicus* Marin et Palatov, 2025 (Niphargidae).

fontinalis Marin et Palatov, 2021, ***Lyurella***

Marin, Palatov, 2021c: 149–157, figs 14–18.

Mb-1204. Holotype ♂ (5 slides), Krasnodar krai, Sochi, Lazarevsky District, a spring in the valley of the Makopse River, 2 km SW of the Nadzhigo village, 44°01′46.5″N 39°15′8.5″E, 13.05.2019, coll. D. Palatov & I. Marin.

Mb-1205. Paratype ♀ (4 slides), Krasnodar krai, Sochi, Lazarevsky District, a spring in the valley of the Makopse River, 2 km SW of the Nadzhigo village, 44°01′46.5″N 39°15′8.5″E, 13.05.2019, coll. D. Palatov & I. Marin.

Mb-1206. Paratypes 3 ♀♀, Krasnodar krai, Sochi, Lazarevsky District, a spring in the valley of the Makopse River, 2 km SW of the Nadzhigo village, 44°01′46.5″N 39°15′8.5″E, 13.05.2019, coll. D. Palatov & I. Marin.

REMARK. Types are kept only in ZMMU.

CURRENT STATUS. *Lyurella fontinalis* Marin et Palatov, 2021 (Crangonyctidae).

gegi Marin, 2019, ***Niphargus***

Marin, 2019: 234–240, figs 2a, b, 3–7.

Mb-1147. Holotype ♂, Abkhazia, Gagry region, Bzyb River Canyon, Gegskaya Cave (43°23′43.7″ N, 40°27′28.4″ E), ca. 273 m a.s.l., in subterranean lake, 17.IX.2017, coll. I. Marin.

REMARKS. Although the species was described from both sexes, only the male was included in the type series as the holotype. Additional non-type specimens (5 ♂♂, 6 ♀♀, 1 damaged specimen) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus gegi* Marin, 2019 (Niphargidae).

girzmavi Palatov et Marin in Marin et Palatov, 2022, ***Synurella***

Marin, Palatov, 2022b: 419–425, figs 18–22.

Mb-1232. Holotype ♀ (10 slides), Abkhazia, Gudauta region, Girzmava Cave, inside a small subterranean spring, 43°11′16.1″ N, 40°38′35.9″ E, 5.02.2020. coll. D. Palatov.

REMARKS. The species was described only from the holotype. Additional non-type specimens (2 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Synurella girzmavi* Palatov et Marin in Marin et Palatov, 2022 (Crangonyctidae).

glareophilus Marin, Palatov et Copilaş-Ciocianu in Copilaş-Ciocianu, Marin et Palatov, 2025, ***Litorogammarus***

Copilaş-Ciocianu *et al*., 2025: 5–13, figs 2–6, 7(a–f).

Mb-1293. Holotype ♂ (9 slides), Caspian Sea, Kazakhstan, Mangystau Region, Tupkaragan District, 'Blue Bay', about 43 km N of Aktau, 44°02′58.91″N, 50°52′11.29″E, under shoreline stones and among pebbles, hand net sampling, 20.08.2023. coll. D. Palatov, I. Marin, D. Copilaş-Ciocianu.

Mb-1294. Paratypes 1 ♂, 1 ♀, Caspian Sea, Kazakhstan, Mangystau Region, Tupkaragan District, 'Blue Bay', about 43 km N of Aktau, 44°02′58.91″N, 50°52′11.29″E, under shoreline stones and among pebbles, hand net sampling, 20.08.2023. coll. D. Palatov, I. Marin, D. Copilaş-Ciocianu.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (dozens of adult specimens) used in the original description are in LEMMI.

CURRENT STATUS. *Litorogammarus glareophilus* Marin, Palatov et Copilaş-Ciocianu in Copilaş-Ciocianu, Marin et Palatov, 2025 (Gammaridae).

inkiti Palatov et Marin in Marin et Palatov, 2022, ***Synurella***

Marin, Palatov, 2022b: 401, 406–413, figs 8–13.

Mb-1229. Holotype ♀ (10 slides), Abkhazia, Gagra District, drainage canals around the Inkit Lake, 43°10′24.4″ N, 40°19′04.5″ E, 11.02.2018. coll. D. Palatov.

Mb-1237. Paratype ♀ (8 slides), Abkhazia, Gagra District, drainage canals around the Inkit Lake, 43°10′24.4″ N, 40°19′04.5″ E, 11.02.2018. coll. D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (5 ♂♂, 2 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Synurella inkiti* Palatov et Marin in Marin et Palatov, 2022 (Crangonyctidae).

ispani Palatov et Marin, 2021, ***Synurella***

Palatov, Marin, 2021b: 460–466, figs 11–15.

Mb-1214. Holotype ♀ (11 slides), Georgia, Republic of Ajaria (Adjara), a small stream in the Ispani peat bog, in the western part of the Kobuleti National Reserve, 41°51′41.63″N 41°47′8.94″E, 30.01.2013, coll. D. Palatov.

Mb-1215. Paratype 2 ♀♀, Georgia, Republic of Ajaria (Adjara), a small stream in the Ispani peat bog, in the western part of the Kobuleti National Reserve, 41°51′41.63″N 41°47′8.94″E, 30.01.2013, coll. D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (19 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Synurella ispani* Palatov et Marin, 2021 (Crangonyctidae).

khalabensis Palatov et Marin, 2023, ***Diasynurella***

Palatov, Marin, 2023: 45–52, figs 16–19, 20c–h.

Mb-1253. Holotype ♀ (11 slides), Armenia, Lori region, Khalab Ridge, 40°48′4.11″ N, 44°43′35.74″ E, about 2400 m asl, hand net sampling, 29 August 2011, coll. D. Palatov.

Mb-1254. Paratype 2 ♀♀, Armenia, Lori region, Khalab Ridge, 40°48′4.11″ N, 44°43′35.74″ E, about 2400 m asl, hand net sampling, 29 August 2011, coll. D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (3 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Diasynurella khalabensis* Palatov et Marin, 2023 (Crangonyctidae).

kiwi Marin et Palatov in Palatov et Marin, 2023, ***Diasynurella***

Palatov, Marin, 2023: 25–32, figs 1–5.

Mb-1248. Holotype ♀ (8 slides), Russian Federation, Rostov Oblast', Rostov-on-Don, Proletarskiy district, 47°13′59.9″ N 39°47′00.1″ E, about 40 m asl, small spring on shore of Kiziterinka river, 18 May 2022, coll. D. Palatov et I. Marin.

Mb-1249. Paratypes 1 ♂, 1 ♀ (1 slide), Russian Federation, Rostov Oblast', Rostov-on-Don, Proletarskiy district, 47°13′59.9″ N 39° 47′00.1″ E, about 40 m asl, small spring on shore of Kiziterinka river, 18 May 2022, coll. D. Palatov et I. Marin.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (4 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Diasynurella kiwi* Marin et Palatov in Palatov et Marin, 2023 (Crangonyctidae).

longimana Labay, 2024, ***Vonimetopa***

Labay, 2024: 529–535, figs 1–7.

Mb-1273. Holotype ♂, Японское море, Татарский прол. {Sea of Japan, Strait of Tartary}, 46°43.029′ N 141°52.780′ E, глуб. 0,2 м {depth 0.2 m}, 20.05.2023, собр. E.C. Корнеев {coll. E.S. Korneev}.

Mb-1274. Paratype ♂, Японское море, Татарский прол. {Sea of Japan, Strait of Tartary,} 46°43.029′ N 141°52.780′ E, глуб. 0,2 м {depth 0.2 m}, 20.05.2023, собр. E.C. Корнеев {coll. E.S. Korneev}.

Mb-1275. Paratypes 7 ♂♂, Японское море, Татарский прол. {Sea of Japan, Strait of Tartary}, 46°43.029′ N 141°52.780′ E, глуб. 0,2 м {depth 0.2 m}, 20.05.2023, собр. E.C. Корнеев {coll. E.S. Korneev}.

Mb-1276. Paratypes 6 ♂♂, Японское море, Татарский прол. {Sea of Japan, Strait of Tartary}, 46°14.873′ N 141°53.693′ E, глуб. 0,2 м {depth 0.2 m}, 20.05.2023, собр. E.C. Корнеев {coll. E.S. Korneev}.

Mb-1277. Paratype ♂, Японское море, Татарский прол. {Sea of Japan, Strait of Tartary}, 46°14.873′ N 141°53.693′ E, глуб. 0,2 м {depth 0.2 m}, 16.05.2023, собр. E.C. Корнеев {coll. E.S. Korneev}.

Mb-1278. Paratypes 4 ♂♂, Японское море, Татарский прол. {Sea of Japan, Strait of Tartary}, 46°14.873′ N 141°53.693′ E, глуб. 0,2 м {depth 0.2 m}, 16.05.2023, собр. E.C. Корнеев {coll. E.S. Korneev}.

Mb-1279. Paratypes 240 ♂♂, Японское море, Татарский прол. {Sea of Japan, Strait of Tartary}, 46°13.268′ – 46°14.909′ N 141°53.576′ – 141°54.047′ E, глуб. 0,2–10 м {depth 0.2–10 m}, 16.05. 2023, собр. E.C. Корнеев {coll. E.S. Korneev}.

REMARKS. The species was described only from males. Types are kept only in ZMMU.

CURRENT STATUS. *Vonimetopa longimana* Labay, 2024 (Stenothoidae).

magnus Birštein, 1940, ***Niphargus***

Niphargus longicaudatus magnus Birštein, 1940: 47–48, fig. 1.

Palatov, Marin, 2021a: 136–147, figs 18–22; designated the neotype ♂.

Mb-1174. Neotype ♂ (9 slides), Abkhazia, Ochamchira District, a spring near entrance to the Golova Otapa cave, 42°55.321′N, 41°32.327′E, coll. D. Palatov, 04.02.2018.

REMARKS. The neotype was designated because the original type material by Birštein [1940] had been lost. The neotype was designated from the additional material used in the species redescription [Palatov, Marin, 2021a]: Mb-1175, 1 ♀ (6 slides), same data as in Mb-1174, as well as 6 ♂♂ and 15 ♀♀ with the same label that are likely to be kept in LEMMI.

CURRENT STATUS. *Niphargus magnus* Birštein, 1940 (Niphargidae).

malakhovi Marin, Krylenko et Palatov, 2021, ***Niphargus***

Marin *et al*., 2021a: 298–305, figs 25–28, 33G.

Mb-1194. Holotype ♀ (10 slides), Russia, Krasnodar Krai, Gelendzhik Urban area, Doguab River basin, Mikhailovskiy Pass, the Natashka spring near the Mikhailovsky Pereval village, 44°31.449′N, 38°17.650′E, 20.04.2018, coll. I. Marin & D. Palatov.

Mb-1195. Paratypes 4 ♀♀, Russia, Krasnodar Krai, Gelendzhik Urban area, Doguab River basin, Mikhailovskiy Pass, the Natashka spring near the Mikhailovsky Pereval village, 44°31.449′N, 38°17.650′E, 20.04.2018, coll. I. Marin & D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (numerous ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus malakhovi* Marin, Krylenko et Palatov, 2021 (Niphargidae).

martynovi Marin et Palatov, 2020, ***Gammarus***

Marin, Palatov, 2020: 200–208, figs 1–5.

Mb-1150. Holotype ♂, Tajikistan, Gorno-Badakhshan A.R., Roshtqal'a distr., Rheocrenes near ruin<e>s of the fortress of Deryuzh, Shakhdara River valley, 37°21′59.83″ N, 72°21′55.31″ E, 21.06.2012, coll. D. Palatov.

Mb-1151. Paratype ♂, Tajikistan, Gorno-Badakhshan A.R., Roshtqal'a distr., Rheocrenes near ruin<e>s of the fortress of Deryuzh, Shakhdara River valley, 37°21′59.83″ N, 72°21′55.31″ E, 21.06.2012, coll. D. Palatov.

Mb-1152. Paratype ♀, Tajikistan, Gorno-Badakhshan A.R., Roshtqal'a distr., Rheocrenes near ruin<e>s of the fortress of Deryuzh, Shakhdara River valley, 37°21′59.83″ N, 72°21′55.31″ E, 21.06.2012, coll. D. Palatov.

REMARKS. Types are kept only in ZMMU.

CURRENT STATUS. *Gammarus martynovi* Marin et Palatov, 2020 (Gammaridae).

mazestik Marin et Palatov, 2021, ***Echinogammarus***

Marin, Palatov, 2021b: 311–318, figs 1a, 2, 3f–j.

Mb-1210. Holotype ♂ (10 slides), Russian Federation, Krasnodar Krai, Sochi area, estuary of the Mazesta river, under stones and among river pebbles, 43°32′35.3″N, 39°47′28.5″E, 16.05.2018, coll. I. Marin & D. Palatov.

Mb-1211. Paratypes 1 ♂, 1 ♀, Russian Federation, Krasnodar Krai, Sochi area, estuary of the Mazesta river, under stones and among river pebbles, 43°32′35.3″N, 39°47′28.5″E, 16.05.2018, coll. I. Marin & D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (36 ♂♂, 61 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Echinogammarus mazestik* Marin et Palatov, 2021 (Gammaridae).

mikhailovi Marin et Palatov, 2021, ***Lyurella***

Marin, Palatov, 2021c: 132–141, figs 2–7.

Mb-1207. Holotype ♂ (7 slides), Russia, Krasnodar krai, Tuapsinsky District, a spring in the valley of the Chaplug River, 44°09′03.6″N, 39°04′40.0″E, 29.04.2015, coll. D. Palatov & A. Sokolova.

Mb-1208. Paratype ♀ (6 slides), Russia, Krasnodar krai, Tuapsinsky District, a spring in the valley of the Chaplug River, 44°09′03.6″N, 39°04′40.0″E, 29.04.2015, coll. D. Palatov & A. Sokolova.

Mb-1209. Paratypes 4 ♀♀, Russia, Krasnodar krai, Tuapsinsky District, a spring in the valley of the Chaplug River, 444°09′03.6″N, 39°04′40.0″E, 29.04.2015, coll. D. Palatov & A. Sokolova.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (12 ♂♂, 26 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Lyurella mikhailovi* Marin et Palatov, 2021 (Crangonyctidae).

montemflumina Palatov et Marin in Marin et Palatov, 2022, ***Synurella***

Marin, Palatov, 2022b: 439–445, figs 33–36.

Mb-1238. Holotype ♀ (9 slides), Russia, Krasnodar Krai, Gelendzhyk area, the middle reaches of the Olkhovla River, in the coastal well, 44°32′4.4″ N, 38°20′11.7″ E, 6.06.2021. coll. D. Palatov & I. Marin.

REMARKS. The species was described only from the holotype. Additional non-type specimens (3 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Synurella montemflumina* Palatov et Marin in Marin et Palatov, 2022 (Crangonyctidae).

natukhai Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025b: 332–337, figs 8, 9.

Mb-1304. Holotype ♂ (8 slides), Russian Federation, Krasnodar Kray, Krymsky District, a captured spring by road near the village of Sadovyi Hutor, 45°00′54.95″N 37°45′46.98″E, about 155 m asl, 10.05.2018. coll. I. Marin, D. Palatov.

Mb-1305. Paratype ♀ (4 slides), Russian Federation, Krasnodar Kray, Krymsky District, a captured spring by road near the village of Sadovyi Hutor, 45°00′54.95″N 37°45′46.98″E, about 155 m asl, 10.05.2018. coll. I. Marin, D. Palatov.

Mb-1306. Paratypes 1 ♂, 3 ♀♀, Russian Federation, Krasnodar Kray, Krymsky District, a captured spring by road near the village of Sadovyi Hutor, 45°00′54.95″N 37°45′46.98″E, about 155 m asl, 10.05.2018. coll. I. Marin, D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (2 ♂♂, 28 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus natukhai* Marin et Palatov, 2025 (Niphargidae).

nhatrangensis Marin et Palatov, 2022, ***Victoriopisa***

Marin, Palatov, 2022c: 132–142, figs 2a, b, 3–7, 12a.

Mb-1217. Holotype ♀ (6 slides), Vietnam, Khánh Hòa province, Nha Trang Bay, Nha Trang City, the mouth of the Bé River, a little upstream from the bridge, 12°12′20.5″N 109°11′12.8″E, muddy bottom near the mangroves, 1 m depth, hand net and yabbi pump sampling, coll. I. Marin & S. Sinelnikov, May 2019.

Mb-1218. Paratypes 2 ♀♀ (3+4 slides), Vietnam, Khánh Hòa province, Nha Trang Bay, Nha Trang City, the mouth of the Bé River, a little upstream from the bridge, 12°12′20.5"N 109°11′12.8″E, muddy bottom near the mangroves, 1 m depth, hand net and yabbi pump sampling, coll. I. Marin & S. Sinelnikov, May 2019.

REMARKS. Types are kept only in ZMMU. Additional non-type female specimen (2 ♂♂, 4 ♀♀) used in the original description is kept in LEMMI. In the original description, coordinates were given as follows: 12°12′19.4″N 109°11′13.8″E.

CURRENT STATUS. *Victoriopisa nhatrangensis* Marin et Palatov, 2022 (Eriopisidae).

novorossicus Marin et Palatov in Marin, Krylenko et Palatov, 2021, ***Niphargus***

Marin *et al*., 2021a: 275–282, figs 13–16, 33C.

Mb-1187. Holotype ♂ (13 slides), Russia, Krasnodar Krai, Novorossiysk Urban area, the city of Novorossiysk, Koldun Mount., NW of Myskhako, 44°40.062′N, 37°44.492′E, 6.05.2021, coll. I. Marin & D. Palatov.

Mb-1188. Paratype ♀ (9 slides), Russia, Krasnodar Krai, Novorossiysk Urban area, the city of Novorossiysk, Koldun Mount., NW of Myskhako, 44°40.062′N, 37°44.492′E, 6.05.2021, coll. I. Marin & D. Palatov.

Mb-1189. Paratypes 2 ♂♂, 1 ♀, Russia, Krasnodar Krai, Novorossiysk Urban area, the city of Novorossiysk, Koldun Mount., NW of Myskhako, 44°40.062′N, 37°44.492′E, 6.05.2021, coll. I. Marin & D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (numerous ♂♂ and ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus novorossicus* Marin et Palatov in Marin, Krylenko et Palatov, 2021 (Niphargidae).

olkhovik Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025b: 244–251, figs 2–6.

Mb-1301. Holotype ♂ (8 slides), Russian Federation, Krasnodar Kray, Gelendzhik Urban Okrug, a small spring (helocrene) in the valley of Olkhovka (Olkhovaya Schel) River, 44°31′14.6"N 38°19′26.2″E, about 103 m asl, 6.06.2021. coll. I. Marin, D. Palatov.

Mb-1301. Paratype ♀ (7 slides), Russian Federation, Krasnodar Kray, Gelendzhik Urban Okrug, a small spring (helocrene) in the valley of Olkhovka (Olkhovaya Schel) River, 44°31′14.6"N 38°19′26.2″E, about 103 m asl, 6.06.2021. coll. I. Marin, D. Palatov.

Mb-1303. Paratypes 4 ♀♀, Russian Federation, Krasnodar Kray, Gelendzhik Urban Okrug, a small spring (helocrene) in the valley of Olkhovka (Olkhovaya Schel) River, 44°31′14.6"N 38°19′26.2″E, about 103 m asl, 6.06.2021. coll. I. Marin, D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (26 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus olkhovik* Marin et Palatov, 2025 (Niphargidae).

onenusica Labay, 2025, ***Gurjanovometopa***

Labay, 2025: 413–417, figs 1–6.

Mb-1269. Holotype ♀ (4 slides), 14/10/2023 Татарский пр. {Strait of Tartary}, о. Сахалин {Sakhalin Is.}, 46°13′208<″> N 41°53′353<″> E, 15 м {m}, <В.С. Лабай {V.S. Labay}>.

Mb-1270. Paratype ♂ (2 slides), 14/10/2023 {Strait of Tartary}, о. Сахалин {Sakhalin Is.}, 46°13′208<″> N 41°53′353<″> E, 15 м {m}, <В.С. Лабай {V.S. Labay}>.

REMARKS. Other paratypes (9 ♂♂) are in ZMFU.

CURRENT STATUS. *Gurjanovometopa onenusica* Labay, 2025 (Stenothoidae).

osseticus Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025a: 253.

Marin, Palatov, 2024c [n.nud.]: 11, figs S7–S10, S11e, f.

Mb-1285. Holotype ♂ [by the original description] (9 slides), Russian Federation, Republic of North Ossetia–Alania, Alagirsky District, a spring inside Agomskaya cave, Ardon River basin in right bank of Akhshkadon gorge, 2.9 km NW from Oldukhankhokh mt., 1209 m a.s.l., 17.09.2020, coll. S. Kapralov.

Ta-1286. Paratypes 4 ♀♀, Russian Federation, Republic of North Ossetia–Alania, Prigorodny District, spring on right bank of Fiagdon River, opposite "Cascading waterfall", 42°55′3.7″N, 44°22′10.1″E, 1000 m a.s.l., 18.06.2021, coll. D. Palatov.

REMARKS. In the original description [Marin, Palatov, 2024c], the accession numbers of the holotype and paratype were erroneously given as Mb-1272 and Mb-1273, respectively. These numbers were corrected by Marin & Palatov [2025a]. Only one female is indicated on the holotype label, and two female paratypes (instead of four) are used in the original description. Types are kept only in ZMMU.

CURRENT STATUS. *Niphargus osseticus* Marin et Palatov, 2025 (Niphargidae).

potamophilus Birštein, 1954, ***Niphargus***

Niphargus (*Phaenogammarus*) *potamophilus* Birštein, 1954: 1025–1028, fig. 1.

Palatov, Marin, 2021a: 119–129, figs 2C, 8–12, 13E–G; designated the neotype ♂.

Mb-1176. Neotype ♂ (10 slides), Russia, Rostov Region, Aksaysky District, a canal in the floodplain of the Don River, near the Olginskaya village, 47°14.034′N, 39°52.894′E, coll. I. Marin & D. Palatov, 18.05.2019.

REMARKS. The neotype was designated because the original type material by Birštein [1954] had been lost. Additional material mentioned in the species redescription [Palatov, Marin, 2021a] is kept in ZMMU (Mb-1177, 1 ♀, 5 slides, label as in Mb-1176) and most probably in LEMMI (numerous ♂♂ and ♀♀ from various localities in Rostov Area and Krasnodar Province).

CURRENT STATUS. *Niphargus potamophilus* Birštein, 1954 (Niphargidae).

praemontana Marin et Palatov, 2022, ***Synurella***

Marin, Palatov, 2022b: 425–432, figs 4o–q, 23–27.

Mb-1233. Holotype ♀ (7 slides), Russia, Krasnodar Krai, Krymsky district, the upper stream of the Shids River, 44°48′09.03″ N, 37°59′26.54″ E, 24.07.2021. coll. I. Marin & S. Marina.

Mb-1234. Paratype ♀ (6 slides), Russia, Krasnodar Krai, Krymsky district, the upper stream of the Shids River, 44°48′09.03″ N, 37°59′26.54″ E, 24.07.2021. coll. I. Marin & S. Marina.

Mb-1235. Paratypes 2 ♀♀, Russia, Krasnodar Krai, Krymsky district, the upper stream of the Shids River, 44°48′09.03″ N, 37°59′26.54″ E, 24.07.2021. coll. I. Marin & S. Marina.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (7 ♂♂, 5 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Synurella praemontana* Marin et Palatov, 2022 (Crangonyctidae).

rachalechkhumensis Marin, Barjadze, Maghradze et Palatov, 2023, ***Niphargus***

Marin *et al*., 2023: 481–487, figs 2–5, 11a, b, 11e.

Mb-1245. Holotype ♂ (10 slides), Georgia, Racha-Lechkhumi and Lower Svaneti region, Sakishore Cave, 42°26′31.8″N, 43°09′34.4″E, 1189 m a.s.l., 12 Nov. 2020, coll. E. Maghradze, Sh. Barjadze.

Mb-1246. Paratypes 1 ♂, 1 ♀, Georgia, Racha-Lechkhumi and Lower Svaneti region, Sakishore Cave, 42°26′31.8″N, 43°09′34.4″E, 1189 m a.s.l., 12 Nov. 2020, coll. E. Maghradze, Sh. Barjadze.

REMARKS. More paratypes (1 ♂, 1 ♀) are in IZISU. Additional non-type specimens (2 ♂♂, 4 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus rachalechkhumensis* Marin, Barjadze, Maghradze et Palatov, 2023 (Niphargidae).

rostovi Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025a: 252.

Marin, Palatov, 2023c [n.nud.]: 6–16, figs 2–7.

Mb-1259. Holotype ♂ (10 slides), Russian Federation, Rostov Oblast', Rostov-on-Don, Proletarskiy district, 47°13′59.9″ N 39°47′00.1″ E, about 40 m asl, a small spring on a shore of Kiziterinka river, coll. D. Palatov et I. Marin, 18 May 2022.

Mb-1260. Paratypes 1 ♂, 1 ♀ (1 slide), Russian Federation, Rostov Oblast', Rostov-on-Don, Proletarskiy district, 47°13′59.9″ N 39°47′00.1″ E, about 40 m asl, a small spring on a shore of Kiziterinka river, coll. D. Palatov et I. Marin, 18 May 2022.

REMARKS. Types are kept only in ZMMU. The additional non-type specimens (4 ♀♀) first mentioned by Marin & Palatov [2023c] are in LEMMI.

CURRENT STATUS. *Niphargus rostovi* Marin et Palatov, 2025 (Niphargidae).

sadonicus Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025a: 253–254.

Marin, Palatov, 2024c [n.nud.]: 12, figs S12–S15, S22a, b.

Mb-1287. Holotype ♀ (8 slides), Russian Federation, Republic of North Ossetia–Alania, Alagirsky District, a stream in an abandoned mine near Sadon village, 42°50′40.28″N, 44°01′16.77″E, 1155 m.a.s.l., 8.10.2020, coll. D. Palatov.

Mb-1288. Paratypes 5 ♀♀, Russian Federation, Republic of North Ossetia–Alania, Alagirsky District, a stream in an abandoned mine near Sadon village, 42°50′40.28″N, 44°01′16.77″E, 1155 m.a.s.l., 8.10.2020, coll. D. Palatov.

REMARKS. In the original description [Marin, Palatov, 2024c], the accession numbers of the holotype and paratype were erroneously given as Mb-1274 and Mb-1275, respectively. These numbers were corrected by Marin & Palatov [2025a]. Two female paratypes (instead of five) are used in the original description. Types are kept only in ZMMU.

CURRENT STATUS. *Niphargus sadonicus* Marin et Palatov, 2025 (Niphargidae).

samuricus Palatov, Copilaş-Ciocianu et Marin in Copilaş-Ciocianu, Marin et Palatov, 2025, ***Litorogammarus***

Copilaş-Ciocianu *et al*., 2025: 13–21, figs 7(g, i), 8–12.

Mb-1295. Holotype ♂ (10 slides), Russian Federation, Dagestan, Magaramkent district, near trout farm of Primorsky village, 41°51′25.85″N, 48°34′3.03″E, inside a completely freshwater spring located on the shoreline of the Caspian Sea, 06.04.2021. coll. D. Palatov.

Mb-1296. Paratypes 1 ♂, 1 ♀, Russian Federation, Dagestan, Magaramkent district, near trout farm of Primorsky village, 41°51′25.85″N, 48°34′3.03″E, inside a completely freshwater spring located on the shoreline of the Caspian Sea, 06.04.2021. coll. D. Palatov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimen (1 ♂) used in the original description are in LEMMI.

CURRENT STATUS. *Litorogammarus samuricus* Palatov, Copilaş-Ciocianu et Marin in Copilaş-Ciocianu, Marin et Palatov, 2025 (Gammaridae).

sapozhnikovi Palatov et Marin, 2020, ***Palearcticarellus***

Palatov, Marin, 2020: 1170–1179, figs 6–9, 10b, d, f, h, 11c, d, 12c, d, 16.

Mb-1159. Holotype ♀ (12 slides), Russia, Altai Republic, Turochaksky District, valley of Biya River, 52˚28.150′ N, 86˚45.139′ E, springs (rheokrens) on shore of Kureevo Lake, 6.09.2019, coll. D. Palatov & I. Marin.

REMARKS. The female paratype is in LEMMI.

CURRENT STATUS. *Palearcticarellus sapozhnikovi* Palatov et Marin, 2020 (Crangonyctidae).

smirnovi Palatov et Marin, 2020, ***Palearcticarellus***

Palatov, Marin, 2020: 1164–1170, figs 2–5, 10a, c, e, g, 11a, b, 12a, b, 13a, b, 14a, b, 16a, c.

Mb-1156. Holotype ♀ (11 slides), Russia, Altai Republic, Turochaksky District, valley of Biya River, 52°28.150′ N, 86°45.139′ E, springs (rheokrens) on shore of Kureevo Lake, 6.09.2019, coll. D. Palatov & I. Marin.

Mb-1157. Paratype ♀, Russia, Altai Republic, Turochaksky District, valley of Biya River, 52°28.150′ N, 86°45.139′ E, springs (rheokrens) on shore of Kureevo Lake, 6.09.2019, coll. D. Palatov & I. Marin.

Mb-1158. Paratype ♀, Russia, Altai Republic, Turochaksky District, valley of Biya River, 52°28.150′ N, 86°45.139′ E, springs (rheokrens) on shore of Kureevo Lake, 6.09.2019, coll. D. Palatov & I. Marin.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (191 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Palearcticarellus smirnovi* Palatov et Marin, 2020 (Crangonyctidae).

spiridonovi Marin et Palatov, 2021, ***Synurella***

Palatov, Marin, 2021b: 466–471, figs 16–18.

Mb-1216. Holotype ♀ (4 slides), Georgia, Samegrelo-Zemo Svaneti, Khobi Municipality, small pond near road Chaladidi–Kulevi–Poti, 42°11′42.0″N 41°42′19.9″E, 29.01.2019, coll. I. Marin & V. Maslova.

Mb-1217. Paratype ♀, Georgia, Samegrelo-Zemo Svaneti, Khobi Municipality, small pond near road Chaladidi–Kulevi–Poti, 42°11′42.0″N 41°42′19.9″E, 29.01.2019, coll. I. Marin & V. Maslova.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (2 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Synurella spiridonovi* Marin et Palatov, 2021 (Crangonyctidae).

tarkhankuticus Marin, Turbanov, Prokopov et Palatov, 2022, ***Niphargus***

Marin *et al*., 2022b: 7–18, figs 2A, 3–7.

Mb-1241. Holotype ♂ (7 slides), Russia, Crimean Peninsula, Chornomorskiy Region, Tarkhankut Upland, well in the of Bolshoy Kastel Bay, 45°27′22.3″ N 32°32′53.0″ E, 24.04.2015, coll. G.A. Prokopov.

Mb-1242. Paratypes 2 ♂♂, 2 ♀♀, Russia, Crimean Peninsula, Chornomorskiy Region, Tarkhankut Upland, well in the of Bolshoy Kastel Bay, 45°27′22.3″ N 32°32′53.0″ E, 24.04.2015, coll. G.A. Prokopov.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (74 ♂♂, 123 ♀♀) used in the original description are in IT.

CURRENT STATUS. *Niphargus tarkhankuticus* Marin, Turbanov, Prokopov et Palatov, 2022 (Niphargidae).

taurica Martynov, 1931, ***Synurella***

Synurella ambulans f. *taurica* Martynov, 1931: 602–603, figs 40–41.

Marin, Palatov, 2022b: 401, figs 4d–g, 5–7; designated the neotype ♂.

Mb-1228. Neotype ♂ (6 slides), Russia, Crimean Peninsula, Yalta area, Ai-Petri massif, eastern slope of the Mogabi Mountain, Turtle Lake, 44°28′30.5″ N, 34°05′06.8″ E, 5.04.2022. coll. I. Marin, D. Palatov.

REMARKS. The neotype was designated because the original type material by Martynov [1931] had been lost. Additional specimens used in the species redescription [Marin, Palatov, 2022b] are in ZMMU (Mb-1239–1240, 1 ♂, 3 ♀♀) and LEMMI (10 ♂ ♂, 24 ♀♀).

CURRENT STATUS. *Synurella taurica* Martynov, 1931 (Crangonyctidae).

tauricus Birštein, 1964, ***Niphargus***

Niphargus tatrensis tauricus Birštein, 1964: 120–121, unnumbered fig.

Marin *et al*., 2021a: 258–266, figs 4A, 5–8, 33A; designated the neotype ♂.

Mb-1182. Neotype ♂ (7 slides), Russia, Crimean Peninsula, Yalta Urban area, small spring near the old Yalta–Sevastopol road close to the Shaitan-Merdven Pass, 44°25′0.21″N, 33°51′7.47″E, 12.10.2018, coll. I. Marin & V. Maslova.

REMARKS.The neotype was designated because the original type material by Birštein [1964] had been lost. Additional specimens used in the species redescription are in ZMMU (Mb-1183, 1 ♂, 1 ♀) and LEMMI (3 ♂♂, 7 ♀♀).

CURRENT STATUS. *Niphargus tauricus* Birštein, 1964 (Niphargidae).

tchernykhi Moskalenko, Neretina et Yampolsky, 2020, ***Eulimnogammarus***

Moskalenko *et al*., 2020: 465–467, figs 1D, 3.

Mb-1180. Holotype ♀, Baikal, Bolshoy Ushkanii Island, Pescherka bay, 53.852<°> N, 108.660<°> E, depth 15–20 m, dredge on sandy substrate with pebbles, August 2013. Coll.: L. Yampolsky, A. Etingova.

REMARKS. Paratypes (1 ♂, 1 ♀) are in ETMNH and BM.

CURRENT STATUS. *Eulimnogammarus tchernykhi* Moskalenko, Neretina et Yampolsky, 2020 (Eulimnogammaridae).

tschertschesovae Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025a: 254.

Marin, Palatov, 2024c [n.nud.]: 12, figs S16, S17, S22c, d.

Mb-1289. Holotype ♀ (8 slides), Russian Federation, Republic of North Ossetia–Alania, Prigorodny District, groundwater of Gizeldon River near Dargavz village, 42°51′08.76″N, 44°26′55.55″E, 1395 m a.s.l., 22.05.2023, coll. D. Palatov, M. Antipova.

Mb-1990. Paratypes 5 ♀♀, Russian Federation, Republic of North Ossetia–Alania, Prigorodny District, groundwater of Gizeldon River near Dargavz village, 42°51′08.76″N, 44°26′55.55″E, 1395 m a.s.l., 22.05.2023, coll. D. Palatov, M. Antipova.

REMARKS. In the original description [Marin, Palatov, 2024c], the accession numbers of the holotype and paratypes were erroneously given as Mb-1276 and Mb-1277, respectively. These numbers were corrected by Marin & Palatov [2025a]. Two female paratypes (instead of five) were used in the original description. Types are kept only in ZMMU.

CURRENT STATUS. *Niphargus tschertschesovae* Marin et Palatov, 2025 (Niphargidae).

tvishiensis Marin, Barjadze, Maghradze et Palatov, 2023, ***Niphargus***

Marin *et al*., 2023: 488–497, figs 6–9, 10c–f, 11f.

Mb-1247. Holotype ♂ (9 slides), Georgia, Racha-Lechkhumi and Lower Svaneti region, Tsageri Municipality, Verdzistava I Cave, 42°31′34.6″ N, 42°47′34.0″ E, 437 m a.s.l., 10 May 2020, coll. E. Maghradze, Sh. Barjadze.

REMARKS. The female paratype is kept in IZISU. Additional non-type specimens (2 ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus tvishiensis* Marin, Barjadze, Maghradze et Palatov, 2023 (Niphargidae).

ulagani Marin, Yanygina, Ostroukhova et Palatov, 2023, ***Palearcticarellus***

Marin *et al*., 2023: 392–397, figs 2–5.

Mb-1264. Holotype ♀ (6 slides), Russian Federation, Altai Republic, Ulagansky District, in a small spring in a drainage basin of a small mountainous river, a tributary of Bashkaus River flowing into Lake Teletskoe, about 1278 meters above the sea level, 50°36′2.57″ N 87°52′34.49″ E, 24 June 2022. coll. S. Ostroukhova.

REMARKS. The species was described only from the holotype. Additional female specimen used for a moleculer study was used in the original description.

CURRENT STATUS. *Palearcticarellus ulagani* Marin, Yanygina, Ostroukhova et Palatov, 2023 (Crangonyctidae).

utrishensis Marin et Palatov in Marin, Krylenko et Palatov, 2021, ***Niphargus***

Marin *et al*., 2021a: 266–275, figs 9–12, 33B.

Mb-1184. Holotype ♂ (15 slides), Russia, Krasnodar Krai, Anapa Urban area, SE part of Navagirsky Ridge, Utrish State Nature Reserve, Mokraya Schel, 44°41′39.19″N, 37°30′55.17″E, 2.05.2019, coll. I. Marin, D. Palatov & V. Maslova.

Mb-1185. Paratype ♀ (4 slides), Russia, Krasnodar Krai, Anapa Urban area, SE part of Navagirsky Ridge, Utrish State Nature Reserve, Mokraya Schel, 44°41′39.19″N, 37°30′55.17″E, 2.05.2019, coll. I. Marin, D. Palatov & V. Maslova.

Mb-1186. Paratypes 3 ♂♂, 4 ♀♀, Russia, Krasnodar Krai, Anapa Urban area, SE part of Navagirsky Ridge, Utrish State Nature Reserve, Mokraya Schel, 44°41′39.19″N, 37°30′55.17″E, 2.05.2019, coll. I. Marin, D. Palatov & V. Maslova.

REMARKS. Types are kept only in ZMMU. Additional non-type specimens (numerous ♂♂and ♀♀) used in the original description are in LEMMI.

CURRENT STATUS. *Niphargus utrishensis* Marin et Palatov in Marin, Krylenko et Palatov, 2021 (Niphargidae).

zeyensis Marin et Palatov, 2025, ***Niphargus***

Marin, Palatov, 2025a: 254.

Marin, Palatov, 2024c [n.nud.]: 13, figs S18–S21, S22e, f.

Mb-1291. Holotype ♂ (8 slides), Russian Federation, Republic of North Ossetia–Alania, Alagirsky District, a stream on western outskirts of Abaytikau village (Tsey Gorge), 42º48.31.7′ N, 43º57.18.2′ E, 1985 m a.s.l., 28.07.2021, coll. D. Palatov.

Mb-1292. Paratypes 4 ♀♀, Russian Federation, Republic of North Ossetia–Alania, Alagirsky District, a stream on western outskirts of Abaytikau village (Tsey Gorge), 42º48.31.7′ N, 43º57.18.2′ E, 1985 m a.s.l., 28.07.2021, coll. D. Palatov.

REMARKS. Types are kept only in ZMMU. In the original description [Marin, Palatov, 2024c], the accession numbers of the holotype and paratypes were erroneously given as Mb-1278 and Mb-1279, respectively. These numbers were corrected by Marin & Palatov [2025a]. Two female paratypes (instead of four) were mentioned by Marin & Palatov [2025a]. In the original description, correct coordinates were given as follows: 42º48′31.7″ N 43º57′18.2″ E.

CURRENT STATUS. *Niphargus zeyensis* Marin et Palatov, 2025 (Niphargidae).

zhiguliensis Marin et Palatov, 2024, ***Uralocrangonyx***

Marin, Palatov, 2024a: 78–84, figs 2–6.

Mb-1265. Holotype ♀ (9 slides), Russian Federation, Samara region, Zhiguli Mountains, Shiryaevo, 53°24′33.5″ N 50°00′47.4″ E, in small mountainous spring (Vinniy Spring), hand net sampling, 15.08.2023, coll. I. Marin & D. Palatov.

Mb-1266. Paratype ♀, Russian Federation, Samara region, Zhiguli Mountains, Shiryaevo, 53°24′33.5″ N 50°00′47.4″ E, in small mountainous spring (Vinniy Spring), hand net sampling, 15.08.2023, coll. I. Marin & D. Palatov.

REMARKS. Types are kept only in ZMMU.

CURRENT STATUS. *Uralocrangonyx zhiguliensis* Marin et Palatov, 2024 (Crangonyctidae).

Non-type material

ablaskiri Birštein, 1940, ***Niphargus***

Birštein, 1940: 49–50, fig. 2.

Marin, Palatov, 2021: 178–179, figs 9, 12f.

Mb-1165. “Neotype” ♀ (6 slides), Abkhazia, Abrskil Cave, 42°55′14.0″ N, 41°33′17.0″ E, in subterranean stream, about 250 m a.s.l., coll. D. Palatov, 3.02.2018.

REMARKS. An attempt to designate the neotype was made because the original type material by Birštein [1940] had been lost. However, according to ICZN Article 75.3, since the neotype was not formally designated in the species redescription [Marin, Palatov, 2021], this specimen cannot be considered as such.

CURRENT STATUS. *Niphargus ablaskiri* Birštein, 1940 (Niphargidae).

inermis Birštein, 1940, ***Niphargus***

Niphargus ablaskiri inermis Birštein, 1940: 50–51, fig. 3.

Marin, Palatov, 2021: 179, figs 10–11, 12c–e, g.

Mb-1166. “Neotype” ♀ (7 slides), Abkhazia, Lower Shakuran (=Nizhne-Shakuranskaya) Cave, 43°01′47.8″ N, 41°20′02.0″ E, in subterranean stream, about 230 m a.s.l., coll. D. Palatov, 2.02.2018.

REMARKS. An attempt to designate the neotype was made because the original type material by Birštein [1940] had been lost. However, according to ICZN Article 75.3, since the neotype was not formally designated in the species redescription [Marin, Palatov, 2021], this specimen cannot be considered as such.

CURRENT STATUS. *Niphargus inermis* Birštein, 1940 (Niphargidae).

trichiatus Martynov, 1932, ***Chaetogammarus***

Martynov, 1932: 85–88, text-fig. 4, pl. IV, figs 6, 7, pl. V, figs 1–5.

Echinogammarus trichiatus Copilaş-Ciocianu *et al*., 2023: 834, figs 8–11.

Mb-1227. “Neotype” ♂ (10 slides), Russia, Krasnodar Krai, Sochi Urabn Okrug, Lazarevsky District, mouth of Ashe river, in the stream under stones. 43°57.376′ N 39°15.954′ E, 13.05.2019. coll. D. Palatov & I. Marin.

REMARKS. An attempt to designate the neotype was made because the original type material by Martynov [1932] had been lost. However, according to ICZN Article 75.3, since the neotype was not formally designated in the species redescription Copilaş-Ciocianu *et al*., 2023], this specimen cannot be considered as such.

CURRENT STATUS. *Echinogammarus trichiatus* (Martynov, 1932) (Gammaridae).

In total, the types of 69 amphipod species in nine families (Crangonyctidae, Eriopisidae, Eulimnogammaridae, Gammaridae, Liljeborgiidae, Niphargidae, Pleustidae, Stenothoidae, Talitridae) have been provided, including 62 holotypes, 420 paratypes, and 7 neotypes; 138 accession numbers have been allocated (Table 1). The ZMMU card index of crustacean type collection is sorted alphabetically by genus name, as originally described. Three more specimens, mistakenly considered to be neotypes, have also been added.

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Table 1. Number of amphipod species and specimens represented by types in the Zoological Museum of Moscow State University included in the list presented in this paper, by family.
Таблица 1. Распределение типовых образцов амфипод из коллекции Зоологического музея МГУ, приведенных в данной работе, по семействам.

Family	Number of species				No. of specimens
	Holotypes only	Holotype + paratype(s)	Neotypes	Total	
Crangonyctidae	6	17	4	27	62
Eriopisidae	1	1	0	2	4
Eulimnogammaridae	2	0	0	2	2
Gammaridae	0	6	0	6	20
Liljeborgiidae	0	1	0	1	3
Niphargidae	2	22	3	27	129
Pleustidae	0	1	0	1	3
Stenothoidae	0	2	0	2	262
Talitridae	0	1	0	1	4
Total	**11**	**51**	**7**	**69**	**489**

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