



Zootaxa 4089 (1): 001–081
<http://www.mapress.com/j/zt/>

Copyright © 2016 Magnolia Press

Monograph

ISSN 1175-5326 (print edition)

ZOOTAXA

ISSN 1175-5334 (online edition)

<http://doi.org/10.11646/zootaxa.4089.1.1>

<http://zoobank.org/urn:lsid:zoobank.org:pub:5478C7E2-8776-4747-9C0F-2B382DD19AD9>

ZOOTAXA

4089

Annotated checklist of Georgian oribatid mites

MAKA MURVANIDZE¹ & LEVAN MUMLADZE²

¹*Institute of Entomology, Agricultural University of Georgia, 240, D. Aghmashenebely Alley 0131, Tbilisi, Georgia.*

E-mail: m.murvanidze@agruni.edu.ge

²*Institute of Ecology of Ilia State University, Cholokashvili ave 3/5, 0165, Tbilisi, Georgia. E-mail: lmumladze@gmail.com*
Invertebrate Research Centre (IRC), Agladze Str. 26, 0119 Tbilisi, Georgia



Magnolia Press
Auckland, New Zealand

Accepted by E. Sidorchuk: 13 Jan. 2016; published: 14 Mar. 2016

MAKA MURVANIDZE & LEVAN MUMLADZE
Annotated checklist of Georgian oribatid mites
(*Zootaxa* 4089)

81 pp.; 30 cm.

14 Mar. 2016

ISBN 978-1-77557-911-3 (paperback)

ISBN 978-1-77557-912-0 (Online edition)

FIRST PUBLISHED IN 2016 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: zootaxa@mapress.com

<http://www.mapress.com/zootaxa/>

© 2016 Magnolia Press

All rights reserved.

No part of this publication may be reproduced, stored, transmitted or disseminated, in any form, or by any means, without prior written permission from the publisher, to whom all requests to reproduce copyright material should be directed in writing.

This authorization does not extend to any other kind of copying, by any means, in any form, and for any purpose other than private research use.

ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)

Table of contents

Abstract	5
Introduction	5
Material and methods	6
General results and discussion	6
Checklist	8
Superfamily: Acaronychoidea Grandjean, 1932	8
Family: Acaronychidae Grandjean, 1932	8
Superfamily: Palaeacaroidea Grandjean, 1932	8
Family: Palaeacaridae Grandjean, 1932	8
Superfamily: Brachychthonioidea Thor, 1934	8
Family: Brachychthoniidae Thor, 1934	8
Superfamily: Atopochthonioidea Grandjean, 1949	10
Family: Atopochthoniidae Grandjean, 1949	10
Superfamily: Hypochthonioidea Berlese, 1910	10
Family: Eniochthoniidae Grandjean, 1947	10
Family: Hypochthoniidae Berlese, 1910	10
Family: Lohmanniidae Berlese, 1916	10
Family: Mesoplophoridae Ewing, 1917	11
Superfamily: Protoplophoroidea Ewing, 1917	11
Family: Cosmochthoniidae Grandjean, 1947	11
Family: Sphaerochthoniidae Grandjean, 1947	11
Superfamily: Heterochthonioidea Grandjean, 1954	12
Family: Heterochthoniidae Grandjean, 1954	12
Superfamily: Eulohmannioidea Grandjean, 1931	12
Family: Eulohmanniidae Grandjean, 1931	12
Superfamily: Perlohmannioidea Grandjean, 1954	12
Family: Perlohmanniidae Grandjean, 1954	12
Superfamily: Epilohmannioidea Eudemans, 1923	13
Family: Epilohmanniidae Oudemans, 1923	13
Superfamily: Euphthiracaroidae Jacot, 1930	13
Family: Euphthiracaridae Jacot, 1930	13
Superfamily: Phthiracaroidae Perty, 1841	14
Family: Phthiracaridae Perty, 1841	14
Superfamily: Crotonioidea Thorell, 1876	19
Family: Crotoniidae Thorell, 1876	19
Family: Hermannidae Sellnick, 1928	21
Family: Malaconothridae Berlese, 1916	21
Family: Nanhermanniidae Sellnick, 1928	21
Family: Nothridae Berlese, 1896	22
Family: Trhypochthoniidae Willmann, 1931	23
Superfamily: Hermannielloidea Grandjean, 1934	23
Family: Hermanniellidae Grandjean, 1934	23
Family: Plasmobatidae Grandjean, 1961	24
Superfamily: Neoliodoidea Sellnick, 1928	24
Family: Neoliodidae Sellnick, 1928	24
Superfamily: Plateremaeoidea Trägårdh, 1928	25
Family: Aleurodamaeidae Paschoal & Johnston, 1984	25
Family: Gymnodamaeidae Grandjean, 1954	25
Family: Licnobelbidae Grandjean, 1965	26
Family: Licnodamaeidae Grandjean, 1954	26
Family: Plateremaeidae Trägårdh, 1926	26
Superfamily: Damaeidea Berlese, 1896	27
Family: Damaeidae Berlese, 1896	27
Superfamily: Eutegaeoidea Woolley, 1965	30
Family: Compactozetidae Luxton, 1988	30
Superfamily: Microzetoidea Grandjean, 1936	31
Family: Microzetidae Grandjean, 1936	31
Superfamily: Ameroidea Bulanova-Zachvatkina, 1957	32
Family: Ameridae Bulanova-Zachvatkina, 1957	32
Family: Amerobelbidae Grandjean, 1961	32
Family: Caleremaeidae Grandjean, 1965	32
Family: Ctenobelbidae Grandjean, 1965	32

Family: Damaeolidae Grandjean, 1965	33
Family: Eremobelbidae Balogh, 1961	33
Family: Eremulidae Grandjean, 1965	34
Family: Hungarobelbidae Miko & Trave, 1996	34
Family: Spinozetidae Balogh, 1972	34
Superfamily: Zetorchestoidea Michael, 1898	34
Family: Eremaeidae Oudemans, 1900	34
Family: Zetorchestidae Michael, 1898	35
Superfamily: Gustavioidea Oudemans, 1900	35
Family: Astegistidae Balogh, 1961	35
Family: Gustaviidae Oudemans, 1900	36
Family: Liacaridae Sellnick, 1928	36
Family: Peloppiidae Balogh, 1943	39
Superfamily: Carabodoidea C.L. Koch, 1837	39
Family: Carabodidae C.L. Koch, 1837	39
Family: Otocephidae Balogh, 1961	42
Superfamily: Oppioidea Grandjean, 1951	42
Family: Autognetidae Grandjean, 1960	42
Family: Epimerellidae Ayyildiz & Luxton, 1989	43
Family: Machuellidae Balogh, 1983	43
Family: Oppiidae Grandjean, 1954	44
Family: Quadropiidae Balogh, 1983	50
Family: Thyrisomidae Grandjean, 1953	51
Superfamily: Trizetoidea Ewing, 1917	51
Family: Suctobelbidae Jacot, 1938	51
Superfamily: Tectocephoidea Grandjean, 1954	55
Family: Tectocephidae Grandjean, 1954	55
Superfamily: Limnozetoidea Thor, 1937	55
Family: Hydrozetidae Grandjean, 1954	55
Superfamily: Cymbaeremaeoidea Sellnick, 1928	55
Family: Cymbaeremaeidae Sellnick, 1928	55
Superfamily: Licneremaeoidea Grandjean, 1931	56
Family: Charassobatidae Grandjean, 1958	56
Family: Micreremaeidae Grandjean, 1954	56
Family: Passalozetidae Grandjean, 1954	56
Family: Scutoverticidae Grandjean, 1954	57
Superfamily: Phenopeloidea Petrunkevich, 1955	57
Family: Phenopelopidae Petrunkevich, 1955	57
Superfamily: Achipterioidea Thor, 1929	58
Family: Achipteriidae Thor, 1929	58
Family: Tegoribatidae Grandjean, 1954	60
Superfamily: Oribatelloidea Jacot, 1925	61
Superfamily: Oripodoidea Jacot, 1925	62
Family: Haplozetidae Grandjean, 1936	62
Family: Oribatulidae Thor, 1929	63
Family: Parakalummidae Grandjean, 1936	66
Family: Scheloribatidae Grandjean, 1933	67
Family: Chamobatidae Grandjean, 1954	71
Family: Euzetidae Grandjean, 1954	73
Family: Punctoribatidae Thor, 1937	73
Family: Zetomimidae Shaldybina, 1966	74
Superfamily: Galumnoidea Jacot, 1925	75
Family: Galumnidae Jacot, 1925	75
Conclusions on oribatid species diversity in Georgia	77
References	77

Abstract

A new updated checklist of Georgian oribatid mites is based on the critical review of existing literature data and new findings. The list includes 534 oribatid species of which 21 species are new for the country recorded from more than 390 locations. For each species information of the global and regional distribution is presented with notes on ecological characteristics. As far as necessary we provide remarks on taxonomic issues to overcome the ambiguities and inconsistencies existing in literature.

Key words. Oribatid mites, catalogue, Caucasus biodiversity

Introduction

Oribatid mites represent one of the dominant arthropod groups in the soil environment, with more than 10000 species described (Norton & Behan-Pelletier 2009; Subías 2004, updated in 2015). They can be found through the soil profile, and inhabit aquatic and arboreal habitats as well (Norton & Behan-Pelletier 2009). Oribatid mites are trophically heterogeneous, with species feeding on various types of fungi, detritus, bacteria, algae and small invertebrate animals. They are characterized by k-style life history traits, such as slow development, poor dispersal ability and strong defensive mechanisms (Norton 1994; Norton & Behan-Pelletier 2009).

The Republic of Georgia is located in Caucasus, a biodiversity hot-spot which shelters the most diverse flora and fauna of the temperate region (Zazanashvili *et al.* 2004). Unlike most other groups of invertebrate animals in Georgia, the oribatid mite fauna is rather well explored. Investigations began with the works of Nadezhda Djaparidze (working period 1963–1990). The first list of Georgian oribatids was published in 1963 (Djaparidze 1963). In this checklist 80 species were recognized, and for each species sampling place and known habitats were ascribed. After this work, several updated checklists appeared dealing with oribatid mites of particular regions of Georgia or the whole country. Darejanashvili (1964) reported 71 morphospecies for Tbilisi and its surroundings, 43 species were registered on Trialeti Range (Djaparidze 1966) and 68 morphospecies were found in Borjom-Bakuriani gorge (Darejanashvili 1967). Reck (1976) provided another complete checklist for whole country with 283 species and Karppinen *et al.* (1987) indicated the presence of 299 oribatid species in Georgia. The most recent checklist of Georgian oribatid mites listed 340 species (Murvanidze & Darejanashvili 2000), and the catalogue of Stanchaeva & Subías (2010) summarized information for Caucasian oribatid mite fauna in total, reporting 553 morphospecies for Georgia.

Unfortunately, in many cases in early literature detailed information on the geographic position of sampling locations was not provided, which resulted in uncertain distribution knowledge of some species. For example, “Georgia”, “Eastern Georgia”, “Upper Kartli” *etc.* are used as only location data, but these broad geographical units are not sufficient for regional biogeographic and ecological assessment of species. All the more recent checklists repeat many vague indications which make these references less useful.

After the publication of the catalogue of Shtanchaeva & Subías (2010), new species were described for Georgia (Murvanidze & Behan-Pelletier 2011; Murvanidze & Weigmann 2012; Murvanidze 2014; Shtanchaeva *et al.* 2010; Shtanchaeva & Subías 2012, 2012a) and new records for Georgian and Caucasian fauna were added (Mumladze *et al.* 2015; Murvanidze *et al.* 2011, 2015; Murvanidze & Mumladze 2014; Murvanidze & Todria 2015). Niedbała (2015) expressed doubts concerning the taxonomic status of several species described by Shtanchaeva & Subías (2012). Subsequent unpublished work by the authors during 2010–2014 years added many new data on the distribution of certain species in the Georgian territories. These data enrich our knowledge of local and regional oribatid biodiversity including some new and rare oribatid species and their specific habitat preferences (like dead wood, canopy, caves, *etc.*).

The discovery of mistakes concerning species distributions and several disagreements with the systematic placement of certain species provided by Shtanchaeva and Subías (2010), along with the new published and unpublished data on the oribatid diversity in Georgia, led us to prepare this upgraded checklist of Georgian oribatid mites. During preparation of checklist, we encountered problems regarding old type material of Djaparidze and Darejanashvili. Most of original material is lost or badly damaged and we could not check the specimens. (*Lucoppia nicora* Djaparidze, 1986, *Flexa bidens* Djaparidze, 1990, *F. horreo* Djaparidze, 1990, *Oribatula beccus* Djaparidze, 1990, *Eremaeus longiseta* Djaparidze, 1990, *Liacarus curtus* Djaparidze, 1985, *Carabodes egregius*

Djaparidze, 1990)); some species are deposited in the collections of the Zoological Institute of St. Petersburg and no paratypes are left in Georgia (*Liacarus matshabeli* Djaparidze, 1980, *L. sphaericus* Djaparidze, 1980, *L. tubifer* Djaparidze & Melamud, 1990, *Phauloppia longiporosa* Djaparidze, 1985, *Zygoribatula longisensilla* Djaparidze, 1985, *Z. sphaerisensilla* Djaparidze, 1985, *Tectocephus punctulatus* Djaparidze, 1985, *Amazoppia caucasica* Djaparidze, 1986, *Oribatella sitnikova* Djaparidze, 1989). So, we did not investigate morphology of these species.

Additionally, the quality of several descriptions is mostly far off modern standard, which makes it difficult to assess these problematic species. Nevertheless, several species described by Djaparidze are recently indicated as junior synonyms of other species (*Dorycranosus ovatus*, *D. ibericus*, *Liacarus curtus*, *L. sphaericus*, *Lucoppia orientalis*, *Phauloppia saakadzei*, *P. longiporosa*, *Amazoppia caucasica*, *Oribatella sitnikova*) (Subías 2004, electronically updated in 2015).

Herein, we report 534 species for Georgia, of which 21 species are new records for the country.

Material and methods

The presented checklist is an extraction of the catalogue of Shtanchaeva & Subías (2010) (hereafter Catalogue), enriched by subsequently published data (Mumladze *et al.* 2015; Murvanidze & Behan-Pelletier 2011; Murvanidze & Weigmann 2012; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze *et al.* 2011, 2015; Murvanidze & Todria 2015; Shtanchaeva *et al.* 2010; Shtanchaeva & Subías 2012, 2012a), along with our recent unpublished data. We made reference to older sources only if the data provided by Shtanchaeva & Subías (2010) was unclear or questionable. In this checklist we indicate only those oribatids which are identified to species level, and no morphospecies and subspecies are considered. We include all species with at least one certain locality indication and omit species with uncertain or questionable occurrence in Georgia; however these latter species are discussed in the results section. We follow generally the family classification and nomenclature of Schatz *et al.* (2011). The superfamily and family names also follow the nomenclature of Schatz *et al.* (2011). In a “remark” section at species with conflicting classification or nomenclature compared with the data provided by Shtanchaeva & Subías (2010), we explain our understanding of taxonomic issues. Information on species’ ecology (if available) is provided in an “ecology” section, following Behan-Pelletier & Eamer (2007), Schatz (2004), Weigmann (2006), Weigmann *et al.* (2015), original descriptions, other special papers and our own experience.

Specific synonyms of the species are listed only as far as regarding cited Caucasus literature.

Global distribution data are based on Subías (2004, updated in 2015), while local (Georgian) distribution is based mostly on our own exact geo-referenced data. Bibliographic data on distribution are frequently too inaccurate to map, however we geo-referenced such records when possible and provide the locality coordinates with accuracy information (see supplement) to make the data accessible for further research. New records for Georgia are marked with single asterisk (*) in the checklist.

The species occurrence in Georgia is subjectively separated into two major categories—Western (W) and Eastern (E) parts of Georgia. This is due to the fact that Georgia is geographically divided by the Surami (Likhi) Range, and climatic conditions of these parts differ significantly (humid and mild in Western and dry continental in the Eastern part of the country), which influences species distribution (Maruashvili 1964).

General results and discussion

The data collected from all available sources indicate that 534 species of oribatid mites are present in Georgia. Among them, 21 species are new records for the country. The distribution data presented here are based on more than 500 sampling locations within the country; however in the electronic supplement we provide 390 localities for which accurate geographic data were available (Fig 1). Among them 166 data points were geo-referenced using literature sources (i.e. spatial bias is less than 2 km) and 224 locations have exact geographic coordinates. Most of the data points (92%) represented in the map and supplement are our own data (already published elsewhere or unpublished), and only 33 sampling locations from the literature published by other authors were sufficient for mapping. We provide only few location points from Abkhazia (north-western Georgia) nevertheless there are many more sampling localities (e.g. Tarba 1974, 1978, 1988, 1993) being not appropriate for mapping.

After examination of all available manuscripts dealing with Georgian oribatids, presence of several species in Georgia was not assured and they were not included in the list: (1) as the location points for *Belba daghestanica* “Upper Kartli” and “Delisi” are indicated based on the checklists of Djaparidze (1974) and Murvanidze & Darejanashvili (2000). This unclear information is firstly provided in the list of Djaparidze (1974), where only habitat and sampling months are indicated and citations in the later lists (Murvanidze & Darejanashvili 2000; Karppinen *et al.* 1987, Shtanchaeva 2001; Shtanchaeva & Subías 2010) copied these information; (2) the presence of *Triteremella kaszabi* Csiszar, 1962 is indicated for “Eastern Georgia” based on the summary of the PhD thesis of Darejanashvili (1976) where only forest types and no geographical locations are indicated. Because there are no voucher specimens preserved in the collections of Djaparidze and Darejanashvili, we cannot proof the presence of these species in the country and did not include them in the list; (3) we did not include in the list *Furcoribula pacifica* Krivolutsky, 1975 for which Borjomi and Trialeti range are indicated as occurrence points based on the publications of Darejanashvili (2000) and Darejanashvili & Gurgenidze (2004). None of these works provide exact location data and there are no voucher specimens available; (4) *Papillacarus pavlovski* Bulanova-Zachvatkina 1960, *Plasmobates pagoda* Grandjean, 1929, *Anomaloppia chitinofineta* (Kulijev 1962), *Ramusella debililamellata* (Kulijev 1962), *Ramuloppia ramiseta* (Balogh, 1959), *Metabelba limasetosa* Bulanova-Zachvatkina, 1962, *Suctobelbella palustris* (Forsslund, 1953) and *Suctobelbella dargoltsiana* (Krivolutsky, 1966) are indicated in several locations of Georgia (Batumi and Ochamchire) based on the publication of Bulanova-Zachvatkina (1970). We examined this publication and found that these species are indicated for whole Mediterranean region without mentioning on exact location data; (5) *Ceretozetella bregetovae* Shaldybina, 1970 is indicated for Stepantsminda (former Kazbegi) after original description. However, Shaldybina mentions “military Ossetian highway” without proper indication of sampling location; (6) *Eupelops latipilosus* (Ewing, 1909) is indicated for Ritsa and Martkopi after Djaparidze (1974, 1979), however, none of these publications record this species; (7) *Gymnodamaeus glabra* (Mihelčič 1957) and *Lohmannia turcmenica* Bulanova-Zachvatkina, 1960 are wrongly indicated for Tbilisi, “Upper Kartli” and “Eastern Georgia” after Djaparidze (1974); (8) old checklists (Karppinen *et al.* 1987; Murvanidze and Darejanashvili 2000) and the Catalogue report presence of *Collohmanna gigantea* Sellnick, 1922 in Musera; however, Norton and Sidorchuk (2014) state that this record should be discarded, because it is based on the undescribed *Collohmanna* species; (9) *Joelia spina* Kulijev, 1979, *Oppiella (Perspicuoppia) minidentata* Subías, 1976, *Punctoribates hexagonus* (Berlese, 1908) and *Oromurcia bicuspidata* Thor, 1930 are incorrectly indicated for Ritsa after Tarba (1976); (10) *Lepidozetes latipilosus* Hammer, 1952 is incorrectly indicated for Dmanisi after Murvanidze & Darejanashvili (2000); (11) *Spinozetes pectinatus* (Kulijev, 1967) is also wrongly indicated for Borjomi and Bakuriani after Darejanashvili (1967); (12) For several locations in Georgia presence of *Berniniella inornata* (Mihelčič, 1957) is indicated, based on the manuscripts of Murvanidze *et al.* (2004) and Murvanidze & Kvavadze (2007), however, this species is not indicated in these manuscripts and provided data are incorrect; (13) Presence of *Pergalumna curva* (Ewing, 1907) in Poti is indicated in the Catalogue after Djaparidze (1974), however, this publication does not cite this species for Georgia and we discarded presence of this species in Georgia. Several other species reported by the Catalogue for Georgia also need further confirmation or systematic review. In particular, the Catalogue indicates the presence of *Sphaerochthonius ovatus* Sergienko, 1991, *Nothophthiracarus (Caliptophthiracarus) candidulus* (Niedbala, 1983), *Phthiracarus (P.) compressus* Jacot, 1930, *Mucronothrus nasalis* (Willmann, 1929), and *Trhypochthonius setantis* Golosova, 1983 in Georgia, but with no indication of specific location. This information was based on the electronic database of the collection in the Siberian Zoological Museum (<http://szmn.sbras.ru/Inverteb/Oribatida.htm>), where for each species only the country of finding is indicated, without any further explanation or literature evidence. Hence no specific information is available, and we regard these species as having uncertain occurrence in Georgia.

In spite of the well-covered sampling scheme, many species are reported only from a single location (112 species) or from several locations with mutual distance of more than 100 km (more than 50 species). We suppose that the oribatid fauna of Georgia still needs further extensive investigation to provide complete picture of species diversity and distribution. This is also evident from the pace of new discoveries. In particular, the cumulative curves for the new species descriptions as well as for new records in Georgia are not flattened over time (Fig. 2), indicating that further research will definitely and significantly enrich oribatid mite diversity of Georgia and the Caucasus.

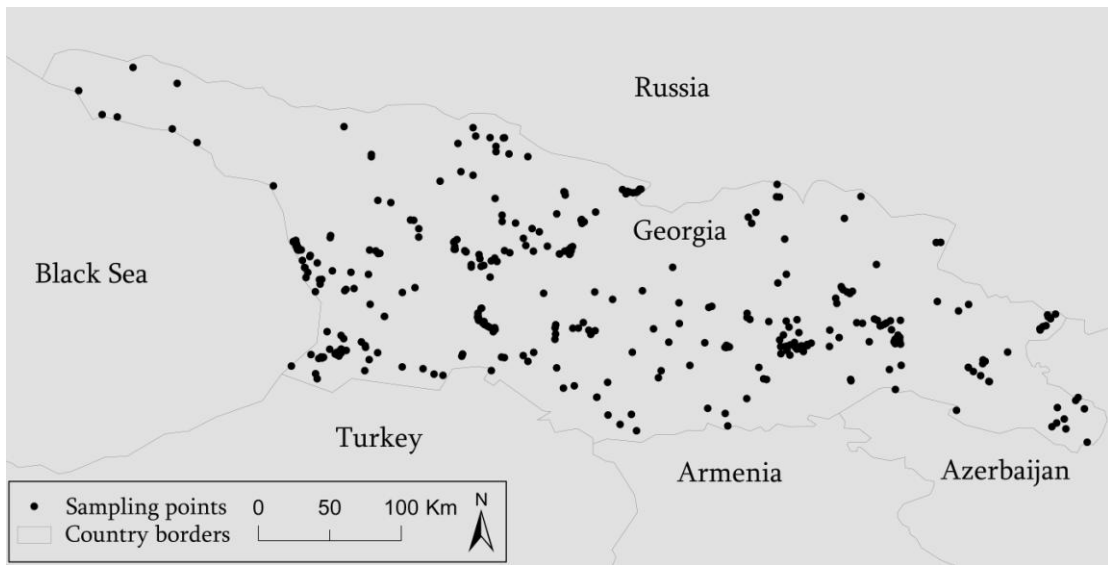


Figure 1. Map of study area with the points of data collection. Note that the sampling locations (in total 390) are the same as provided in the supplementary material

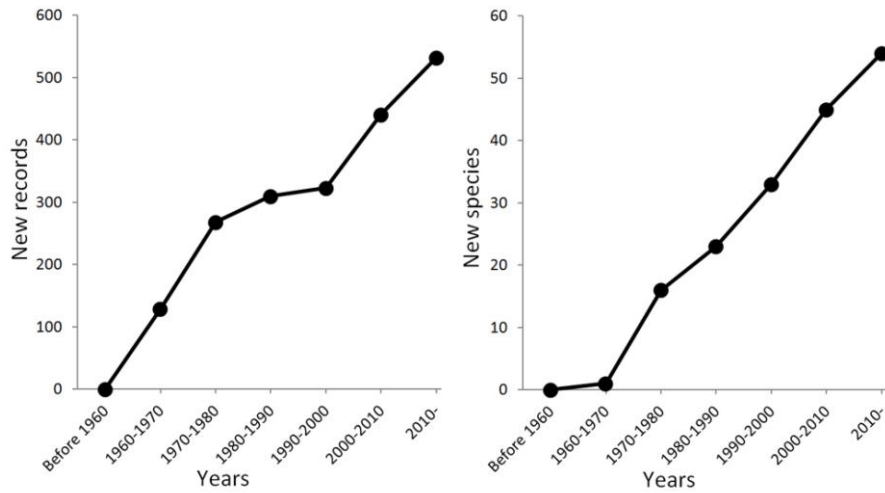


Figure 2. The cumulative pattern of finding new oribatid mite species for Georgia (left panel) and new species for the science (right panel) for 50 years started from the time of first acarological publications on Georgian oribatid mites

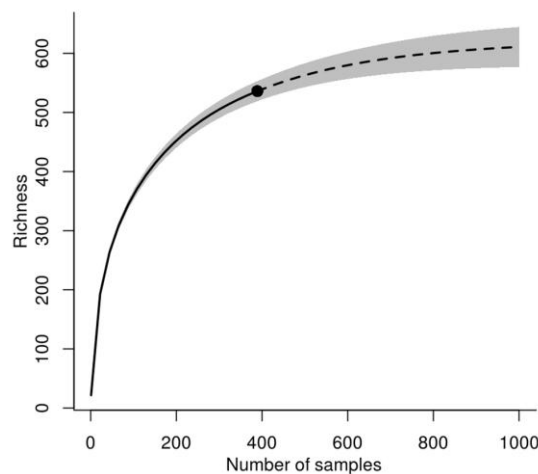


Figure 6. Sample based rarefaction curve of oribatid mites of Georgia. The dashed line indicates extrapolated expected species richness (vertical line) with increasing the sampling intensity (horizontal axis). The shaded area along the curve indicates the confidence intervals after 100 bootstrap replicate.

Checklist

Superfamily: Acaronychoidea Grandjean, 1932

Family: Acaronychidae Grandjean, 1932

Zachvatkinella caucasica Lange, 1972

Distribution in Georgia. W: Gagra, Pitsunda, New Aphon (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Litter of the coastal mixed forests (Lange 1972)

Superfamily: Palaeacaroidea Grandjean, 1932

Family: Palaeacaridae Grandjean, 1932

Palaeacarus causicus Lange, 1972

Distribution in Georgia. W: Pitsunda (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest litter (Lange 1972a)

Superfamily: Brachychthonioidea Thor, 1934

Family: Brachychthoniidae Thor, 1934

Brachychthonius berlesei Willmann, 1928

Distribution in Georgia. W: Ritsa Reserve, Musera, New Aphon, Likani*; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Humid meadows, broadleaved and coniferous forest soils

Brachychthonius pseudoimmaculatus Subías & Gil-Martin, 1991

Distribution in Georgia. W: Bzyb, E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

Liochthonius alpestris (Forsslund, 1958)

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Liochthonius asper Chinone, 1978

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Liochthonius brevis (Michael, 1888)

Distribution in Georgia. W: Ritsa Reserve, Musera (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats, with the preference of forest soils

***Liochthonius horridus* (Sellnick, 1928)**

Distribution in Georgia. W: Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Liochthonius hystericinus* (Forsslund, 1942)**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Liochthonius lapponicus* (Trägårdh, 1910)**

Distribution in Georgia. E: Tbilisi, David Gareji (Murvanidze & Kvavadze 2006)

Global distribution. Holarctic

Ecology. Soils in arid woodlands, semideserts

***Liochthonius leptaleus* Moritz, 1976**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Liochthonius sellnicki* (Thor, 1930)**

Syn.: *Liochthonius scalaris* (Forsslund, 1942) *sensu* Djaparidze 1974

Distribution in Georgia. W: Ritsa Reserve, Musera (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Humid meadows and forest soils

***Liochthonius strenzkei* Forsslund, 1963**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Open habitats and forest soils

***Poecilochthonius italicus* (Berlese, 1910)**

Distribution in Georgia. W: Itkhvisi E: Martkopi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Xerophilic, dry meadows

***Sellnickochthonius rostratus* (Jacot, 1936)**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest and meadow soils

***Sellnickochthonius suecicus* (Forsslund, 1942)**

Distribution in Georgia. W: Ritsa Reserve, Bzyb, Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Forest soils

***Synchthonius elegans* Forsslund, 1956**

Distribution in Georgia. W: Musera (Shtanchaeva & Subías 2010), Itkhvisi*, Likhi range*.

Global distribution. Holarctic

Ecology. Dry meadows according to Weigmann *et al.* (2015). In Georgia is found in forest soils

Superfamily: Atopochthonioidea Grandjean, 1949

Family: Atopochthoniidae Grandjean, 1949

***Atopochthonius artiodactylus* Grandjean, 1948**

Distribution in Georgia. W: Sokhumi, Ochamchire (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Atopochthonius maimaensis* Grishina, 1971**

Distribution in Georgia. W: Bzyb, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Superfamily: Hypochthonioidea Berlese, 1910

Family: Eniochthoniidae Grandjean, 1947

***Eniochthonius minutissimus* (Berlese, 1904)**

Syn.: *Hypochthoniella minutissima* (Berlese, 1904) *sensu* Darejanashvili & Gurgenidze 2004, Murvanidze *et al.* 2013, Murvanidze & Arabuli, 2015

Distribution in Georgia. W: Sokhumi, Ochamchire, Chanchakhi glacier, Poti, Kintrishi Reserve, Mtirala National Park, Rgani, Darkveti, Itkhvisi, Akhalkalaki; E: Tbilisi, Didgori, Mariamjvari Reserve, Gombori range (Murvanidze *et al.* 2013; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Acidic forest and bog soils

Family: Hypochthoniidae Berlese, 1910

***Eohypochthonius crassisetiger* Aoki, 1959**

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Hypochthonius luteus* Oudemans, 1917**

Distribution in Georgia. Whole country, but rare (Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. All types of habitats

***Hypochthonius rufulus rufulus* C.L. Koch, 1834**

Distribution in Georgia. whole country (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Various types of habitats with preference for swamp and forest soils

Family: Lohmanniidae Berlese, 1916

***Papillacarus abchasicus* Tarba, 1989**

Distribution in Georgia. W: Ritsa Reserve, Musera (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Papillacarus aciculatus* (Berlese, 1905)**

Distribution in Georgia. E: Tbilisi (Murvanidze *et al.* 2008), Algety National Park, Gardabani (Murvanidze & Todria 2015)

Global distribution. Palaearctic

Ecology. Urban and forest soils

Family: Mesoplophoridae Ewing, 1917

***Archoplophora rostralis* (Willmann, 1930)**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Mesoplophora michaeliana* Berlese, 1904**

Syn.: *Mesoplophora caucasica* Krivolutsky, 1975 *sensu* Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000, *Mesoplophora pectinata* Mahunka, 1979 *sensu* Murvanidze *et al.* 2008a, Murvanidze & Kvavadze 2009 *Phthiracarus (Phthiracarulus) perexiguus* Berlese, 1920 *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. Whole Western part of the country except high altitudes (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Wet and humid forest soils

***Mesoplophora pulchra* Sellnick, 1928**

Distribution in Georgia. W: Kolkheti National Park, whole Ajara region (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010); E: Ujarma*, Kazreti*

Global distribution. Palaearctic

Ecology. Wet and humid forest soils

Superfamily: Protoplophoroidea Ewing, 1917

Family: Cosmochthoniidae Grandjean, 1947

***Cosmochthonius lanatus* (Michael, 1885)**

Distribution in Georgia. W: Ritsa Reserve, Musera; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. In Georgia is found in forest soils of different humidity

***Phyllozetes tauricus* Gordeeva, 1978**

Distribution in Georgia. E: Gardabani (Murvanidze & Todria 2015)

Global distribution. Palaearctic

Ecology. Arid soils

Family: Sphaerochthoniidae Grandjean, 1947

***Sphaerochthonius splendidus* (Berlese, 1904)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Sokhumi (Shtanchaeva & Subías 2010); E: Tbilisi

(Murvanidze *et al.* 2008), Gardabani, Kavtiskhevi (Murvanidze & Todria 2015), Kazreti

Global distribution. Pantropical and subtropical (Southern Holarctic)

Ecology. Dry urban and forest soils. We have encountered this species only in spring and fall.

***Sphaerochthonius suzukii* Aoki, 1977**

Distribution in Georgia. E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Caucasus and Japan

Ecology. In Georgia the species is found in mixed forest litter (Shtanchaeva & Subías 2010)

***Sphaerochthonius transversus* Wallwork, 1960**

Distribution in Georgia. E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Tropical and Southern Palaeartic

Ecology. Dry forest soils

Superfamily: Heterochthonioidea Grandjean, 1954

Family: Heterochthoniidae Grandjean, 1954

***Heterochthonius caucasicus* Krivolutsky, 1977**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Heterochthonius gibbus* (Berlese, 1910)**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palaeartic

Ecology. Shows preference for moss

Superfamily: Eulohmannioidea Grandjean, 1931

Family: Eulohmanniidae Grandjean, 1931

***Eulohmannia ribagai* (Berlese, 1910)**

Distribution in Georgia. W: Musera, Sakeni (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Mesohygrophilic, forest soils

Superfamily: Perlohmannioidea Grandjean, 1954

Family: Perlohmanniidae Grandjean, 1954

***Perlohmannia coiffaiti* Grandjean, 1961**

Distribution in Georgia. W: Ritsa Reserve, Sakeni, Ochamchire (Shtanchaeva & Subías 2010)

Global distribution. Palaeartic

Ecology. Forest soils

***Perlohmannia dissimilis* (Hewitt, 1908)**

Distribution in Georgia. W: Ochamchire (Shtanchaeva & Subías 2010)

Global distribution. Palaeartic

Ecology. Forest soils

***Perlohmannia zachvatkini* (Bulanova-Zachvatkina, 1960)**

Syn.: *Neolohmannia zachvatkini* Bulanova-Zachvatkina, 1960 *sensu* Djaparidze 1963, 1974

Distribution in Georgia. E: Lagodekhi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Superfamily: Epilohmannioidea Eudemans, 1923

Family: Epilohmanniidae Oudemans, 1923

***Epilohmannia cylindrica* (Berlese, 1904)**

Distribution in Georgia. Whole country (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Dry soils

***Epilohmannia gigantea* Berlese, 1917**

Distribution in Georgia. Whole country, rare (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Epilohmannia ovata* Aoki, 1961**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Epilohmannia styriaca* Schuster, 1960**

Distribution in Georgia. W: Musera, Ochamchire (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Humid forest soils

Remark. In Weigmann (2006) the species is reported as xerothermophil for Germany, but in Georgia it was found in humid subtropical forest soils in the Abkhazia region (Krivolutsky & Tarba 1972). This is the only record of this species in Georgia. In other parts of Caucasus it is found in Lenkoran Region (Azerbaijan) (Kulijev 1961), which shelters humid subtropical and humid temperate forests as well.

Superfamily: Euphthiracaroidae Jacot, 1930

Family: Euphthiracaridae Jacot, 1930

***Acrotritia ardua* (C.L. Koch, 1841)**

Distribution in Georgia. whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. All types of habitats

Remark. Most records in Caucasian literature are under synonym *Rhysotritia ardua*. As finding locations for *A. ardua*, Musera is indicated in the checklist of Karppinen *et al.* (1987) with reference to Krivolutsky & Tarba (1971) and Niedbała (1983a), however, neither of these publications contains records on *A. ardua*.

For Ritsa Reserve, Shtanchaeva & Subías (2010) report the presence of *Acrotritia hyeroglyphica* (Berlese, 1916). Subías and Arillo (2000) and Mahunka (1991) accept it as a valid species; however, it is regarded as a junior synonym of *A. ardua* by Bernini *et al.* (1995) and Niedbała (1993, 2002, 2004). Based on the revision of oribatid mites from Berlese's collection presented by Niedbała (1993), we accept *A. hyeroglyphica* as a junior synonym of *A. ardua*.

***Euphthiracarus cribrarius* (Berlese, 1904)**

Distribution in Georgia. W: Musera, New Aphon (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Broadleaved and coniferous forest soils

***Euphthiracarus monodactylus* (Willmann, 1919)**

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010), Kintrishi Reserve (Murvanidze *et al.* 2008a), Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Humid forest soils

***Euphthiracarus reticulatus* (Berlese, 1913)**

Distribution in Georgia. W: Ochamchire; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Alder forest soils in western Georgia and city park in Tbilisi

***Microtritia minima* (Berlese, 1904)**

Distribution in Georgia. W: Ritsa Reserve, Ispani Reserve; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Humid forest soils

***Mesotritia grandjeani* (Feider & Suciú, 1957)**

Distribution in Georgia. W: Kintrishi Reserve, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Humid forest soils

***Mesotritia nuda* (Berlese, 1887)**

Distribution in Georgia. W: Ritsa Reserve, Sakeni (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils and tree bark

***Oribotritia berlesei* (Michael, 1898)**

Distribution in Georgia. Whole country, but rare (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Does not show habitat specificity

***Oribotritia serrata* Feider & Suciú, 1958**

Distribution in Georgia. W: Anaklia, Borjom-Kharagauli National Park (Murvanidze & Mumladze, 2014), Sataplia Reserve (Shtanchaeva & Subías 2010).

Global distribution. Mediterranean

Ecology. Forest soils

***Paratritia baloghi* Moritz, 1966**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010), Kolkheti National Park; E: Algethi Reserve

Global distribution. Palaearctic

Ecology. Forest soils

Superfamily: Phthiracaroidea Perty, 1841

Family: Phthiracaridae Perty, 1841

***Austrophthiracarus candidulus* (Niedbala, 1983)**

Syn.: *Notophthiracarus* (*Calyptophthiracarus*) *candidulus* (Niedbala, 1983) *sensu* Shtanchaeva & Subías, 2010

Distribution in Georgia. Ritsa Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Austrophthiracarus vicinus* (Niedbala, 1984)**

Syn.: *Notophthiracarus* (*Calyptophthiracarus*) *pavidus vicinus* (Niedbala, 1984) *sensu* Shtanchaeva & Subías 2010 and Murvanidze *et al.* 2013; *Hoplophthiracarus vicinus* Niedbala, 1984 *sensu* Murvanidze *et al.* 2008, Murvanidze & Mumladze 2014

Distribution in Georgia. Whole country (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. All types of habitats

***Hoplophthiracarus illinoisensis* (Ewing, 1909)**

Syn.: *Phthiracarus pavidus* van der Hammen, 1963 *sensu* Djaparidze, 1966, 1974; *Nothophthiracarus* (*Calyptophthiracarus*) *pavidus* (Berlese, 1913) *sensu* Shtanchaeva & Subías, 2010

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. All types of habitats

Remark. Weigmann (2006) indicated *Hoplophthiracarus pavidus* van der Hammen, 1963 as a junior synonym of *H. illinoisensis* and added that this species is frequently confused with *Hoploderma pavidum* Berlese, 1913 (cf. Niedbala 2011). In previous publications (Djaparidze 1966, 1974; Darejanashvili & Gurgenidze 2004, Murvanidze & Darejanashvili 2000) the presence of *H. pavidus* (Berlese, 1913) was reported for several locations in Georgia. After examination of material from different locations of Georgia together with Prof. Weigmann (2001-2002), we identified the individuals of “*H. pavidus*” from Georgia as *H. illinoisensis*. In the Catalogue, both *H. illinoisensis* and *Nothophthiracarus* (*Calyptophthiracarus*) *pavidus* are indicated for Georgia. We have strong concerns that all these records relate to *H. illinoisensis*.

***Phthiracarus* (*Phthiracarus*) *assimilis* Niedbala, 1983**

Distribution in Georgia. W: Kala*

Global distribution. Caucasus

Ecology. Alpine meadow

Remark. This species was described by Niedbala (1983a) from samples provided by N. Djaparidze in 1974. In the description the proper locations of the holotype and paratypes are not indicated. It is said that “the sampling was provided in Kartli region, 20 km northern from Tbilisi”. Because of unclear information, we did not include this location in the checklist.

***Phthiracarus* (*P.*) *boresetosus* Jacot, 1930**

Distribution in Georgia. W: Mtirala National Park (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Humid forest soils

***Phthiracarus* (*P.*) *compressus* Jacot, 1930**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Wet to humid forest soils

***Phthiracarus*. (*P.*) *ferrugineus* (C.L. Koch, 1841)**

Syn.: *Phthiracarus ligneus* Willmann, 1932 *sensu* Djaparidze, 1974, Karppinen *et al.* 2007, Krivolutsky & Tarba 1972, Murvanidze & Darejanashvili, 2000

Distribution in Georgia. whole country (Murvanidze *et al.* 2013, 2015; Murvanidze & Mumladze, 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Phthiracarus (P) italicus (Oudemans, 1900)

Distribution in Georgia. W: whole Abkhazian region (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Presumably in humid forest soils

Remark. Niedbała (2011, p. 220) indicates it as species inquirenda. Weigmann *et al.* (2015) list the species as *P. ferrugineus* ssp. *italicus*.

Phthiracarus (P) laevigatus (C.L. Koch, 1841)

Syn.: *Phthiracarus piger* (Scopoli, 1763) *sensu* Darejanashvili 1964, Darejanashvili & Gurgenidze 2004, Djaparidze 1963, 1966, 1974, Karppinen *et al.* 1987, Krivolutsky & Tarba 1972, Murvanidze & Darejanashvili 2000, Shtanchaeva & Subías 2010

Distribution in Georgia. whole country (Murvanidze *et al.* 2013; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

Remark. In older literature (see synonyms) presence of *Phthiracarus piger* (Scopoli, 1763) is indicated for several locations of Georgia. After Niedbała (1992) and Weigmann (2006) it is *species inquirenda* which is impossible to identify as any modern described species. It is regarded as synonym to *P. laevigatus* by Willmann (1931).

Phthiracarus (P) lentulus (C.L. Koch, 1841)

Distribution in Georgia. W: whole Abkhazian region, Kolkheti National Park, Goderdzy pass, Bako Mountain Kvabiskhevi Reserve; E: Dmanisi (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

Phthiracarus (P) nitens (Nicolet, 1855)

Distribution in Georgia. W: Kolkheti National Park*

Global distribution. Palaearctic

Ecology. Wet and humid bog and forest soils

Phthiracarus (P) opacus Niedbała, 1986

Distribution in Georgia. W: Kolkheti National Park*, Racha*; E: Likani*, Tserovani*

Global distribution. Caucasus

Ecology. All types of habitats

Phthiracarus (P) propinquus Niedbała, 1983

Distribution in Georgia. W: Pitsunda, Sakeni, Idliani, Batumi Botanical Garden, Mtirala National Park (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

Phthiracarus (P) subdolos Niedbała, 1983

Distribution in Georgia. W: Ritsa Reserve, Bzyb, New Aphon (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

Phthiracarus (Archiphthiracarus) anonymus Grandjean, 1933

Distribution in Georgia. Whole country (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Pantropical and subtropical

Ecology. All types of habitats

***Phthiracarus (A.) baloghi* Feider & Suciú, 1957**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Southern Europe

Ecology. Humid forest soils

***Phthiracarus (A.) bryobius* Jacot, 1930**

Distribution in Georgia. W: Ritsa Reserve, Ochamchire, Anaklia, Kintrishi Reserve, Mtirala National Park, Sataplia (Shtanchaeva & Subías, 2010)

Global distribution. Holarctic

Ecology. Humid forest soils

***Phthiracarus (A.) crassus* Niedbala, 1983**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid forest soils

***Phthiracarus (A.) furvus* Niedbala, 1983**

Distribution in Georgia. W: Ochamchire, Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Phthiracarus (A.) globosus* (C.L. Koch, 1841)**

Distribution in Georgia. W: Musera, Batumi Botanical Garden, Kolkheti National Park, Mtirala National Park, Kutaisi, Tskaltubo, Nagarevi grotto; E: Gombori range (Murvanidze 2014, Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

Remark. For Batumi Botanical Garden Shtanchaeva and Subías (2010) report presence of *Phthiracarus (P.) sphaerulus* Banks (1895); however, this species is regarded as a junior synonym of *P. globosus* (Niedbala 1986, 2002; Mahunka & Mahunka-Papp 2004)

***Phthiracarus (A.) montanus* Perez-Iñigo, 1969**

Syn.: *Phthiracarus murphy* Harding, 1976 *sensu* Murvanidze & Kvavadze 2009

Distribution in Georgia. W: Ritsa Reserve, Musera, Banguriani, Kolkheti National Park, Urta Mountain*, Tsaghveri; E: Tbilisi (Shtanchaeva & Subías 2010), Kobi*, Lagodekhi Reserve (Murvanidze & Kvavadze 2007)

Global distribution. Holarctic

Ecology. Forest soils

***Steganacarus (Steganacarus) flagellatissimus* Mahunka, 1979**

Distribution in Georgia. W: Korolistavi (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Humid forest soils

***Steganacarus (S.) magnus* (Nicolet, 1855)**

Distribution in Georgia. W: Bzyb, Musera, Batumi Botanical Garden, Bakuriani (Shtanchaeva & Subías 2010), Mtirala National Park (Murvanidze *et al.* 2015), Racha, Sairme, Onchevi; E: Batsara-Babaneuri Reserve (Shtanchaeva & Subías 2010), Kavtiskhevi (Murvanidze & Todria 2015), Uplistsikhe*, Tbilisi*, Tsodoreti*.

Global distribution. Palaearctic

Ecology. Forest soils of different humidity; however, was also found in dry ruderal site on the abandoned quarry (Murvanidze & Todria 2015)

***Steganacarus (S.) spinosus* (Sellnick, 1920)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Swamps and forest soils

***Steganacarus (Atropacarus) csizariae* (Balogh & Mahunka, 1979)**

Syn.: *Atropacarus csizariae* (Balogh & Mahunka, 1979) *sensu* Shtanchaeva & Subías, 2010

Distribution in Georgia. E: Gombori range (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Forest soils

***Steganacarus (A.) immundus* Niedbala, 1983**

Syn.: *Atropacarus immundus* Niedbala, 1983 *sensu* Shtanchaeva & Subías, 2010

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Litter

***Steganacarus (A.) maculosus* Niedbala, 1983**

Syn.: *Atropacarus maculosus* Niedbala, 1983 *sensu* Shtanchaeva & Subías, 2010

Distribution in Georgia. E: Martkopi (Shtanchaeva & Subías 2010), Algety Reserve*

Global distribution. Caucasus

Ecology. Forest litter and soil

***Steganacarus (A.) obesus* Niedbala, 1983**

Syn.: *Atropacarus obesus* Niedbala, 1983 *sensu* Shtanchaeva & Subías, 2010

Distribution in Georgia. W: Ritsa Reserve, Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest litter

Remark. Shtanchaeva & Subías (2012a) described *A. obesus minimus*. In the revision of Caucasian ptyctimous mites Niedbala (2015) compares this description with own description of *Atropacarus (A.) obesus* and states that both descriptions are identical. The finding of Shtanchaeva and Subías is regarded as a new location for *S. (A.) obesus* in Caucasus.

***Steganacarus (A.) ochraceus* Niedbala, 1983**

Distribution in Georgia. E: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Eastern Mediterranean

Ecology. Forest soils

***Steganacarus (A.) parvulus* (Niedbala, 1983)**

Distribution in Georgia. W: Kala*, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Alpine meadow

***Steganacarus (A.) phyllophorus* (Berlese, 1904)**

Distribution in Georgia. W: Batumi Botanical Garden, Sairme, Kvabiskhevi Reserve; E: Khashuri, Tsodreti, Tbilisi, Algety Reserve, Mariamjvari Reserve (Shtanchaeva & Subías 2010), Kazreti*

Global distribution. European

Ecology. Humid forest soil

***Steganacarus (A.) plakatisi* (Mahunka, 1979)**

Distribution in Georgia. E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

Remark. Shtanchaeva & Subías (2012) described *S. (T.) achmedovi* from various locations in Caucasus including Georgia. Niedbala (2015) compared this description with description of *S. (A.) plakatsi* from Greece by Mahunka (1979). He indicated the similarities in body size, sculpture, length and shape of prodorsal and notogastral setae and sensilli; as the only difference the number of *ng* setae (17–18 pairs in *A. achmedovae* and 16 – in *A. plakatsi*) is regarded, but Niedbala regarded this character as variable. Hence, the Caucasian findings are considered as new locations of *S. (A.) plakatsi*.

***Steganacarus (A.) serratus* Feider & Suciú, 1957**

Distribution in Georgia. W: Anaklia, Kintrishi Reserve; E: Tusheti, Gombori range (Shtanchaeva & Subías 2010), Mariamjvari Reserve, Kazreti

Global distribution. Mediterranean

Ecology. Forest soils

***Steganacarus (A) striculus* (C.L. Koch, 1835)**

Distribution in Georgia. W: Banguriani, Idliani, Kolkheti National Park, Kintrishi Reserve, Goderdzi Pass, Motsameta; Kidobana cave; E: Algethy Reserve (Murvanidze 2014; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Forest soils

***Steganacarus (Tropacarus) carinatus carinatus* (C.L. Koch, 1841)**

Syn.: *Steganacarus pulcherrimus* (Berlese, 1887) *sensu* Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000; *Tropacarus carinatus* (C.L. Koch, 1841) *sensu* Djaparidze 1974, Krivolutsky & Tarba 1972; *Tropacarus pulcherrimus* (Berlese, 1887) *sensu* Djaparidze 1974, Krivolutsky & Tarba 1972

Distribution in Georgia. Whole country (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

Remark. Shtanchaeva & Subías (2012a) described *S. (T.) adelaidae* from several locations of Caucasus including Georgia. In the revision of Caucasian ptyctimous mites Niedbala (2015) compares this description with description of *S. (T.) carinatus* and ascertains that *S. (T.) adelaidae* is conspecific with *S. (T.) carinatus*.

***Steganacarus (T.) callinii* Bernini, S., Bernini & Avanzati, 1989**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Steganacarus. (T) patruelis* Niedbala, 1983**

Distribution in Georgia. W: Ritsa Reserve, Musera, Ochamchire, Banguraini, Kala*, Sairme, Kolkheti National Park, Mtirala National Park, Batumi Botanical Garden, Sataplia Reserve, Itkhvisi, Kvabiskhevi Reserve; E: Khashuri, Algethy Reserve (Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Wet and humid soils

Superfamily: Crotonioidea Thorell, 1876

Family: Crotoniidae Thorell, 1876

***Camisia biurus* (C.L. Koch, 1839)**

Distribution in Georgia. E: Likhi Range, Tbilisi, Dmanisi, Mariamjvari Reserve (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Degraded swamps and coniferous forest soils.

***Camisia biverrucata* (C.L. Koch, 1839)**

Distribution in Georgia. W: Abkhazia, Batumi Botanical Garden; E: Dmanisi, Sioni, Tbilisi, Kojori, Tetrtskaro (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest and meadow soils

***Camisia horrida* (Hermann, 1804)**

Distribution in Georgia. W: Ritsa Reserve, Kolkheti National Park, Mtirala National Park, Sataplia Reserve, Tskaltubo, Racha, Akhaldaba, Borjomi, Tsaghveri, Kvabiskhevi Reserve; E: Khevsha, Shenako, Sioni, Batsara-Babaneuri Reserve, Gombori range, Tbilisi (Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Soil, moss, forest and street tree trunks

***Camisia lapponica* (Trägårdh, 1910)**

Distribution in Georgia. E: Algethy Reserve, Mariamjvari Reserve, Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Boreoalpine

Ecology. Coniferous and mixed forest soils

***Camisia segnis* (Hermann, 1804)**

Syn.: *Camisia bicarinata* (C.L. Koch, 1839) *sensu* Djaparidze 1974

Distribution in Georgia. W: Mtirala National Park, Aspindza, Borjomi; E: Sioni, Batsara-Babaneuri Reserve, Tbilisi, Algethy Reserve, Kldekari (Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Prefers canopy habitats, rare in soil

***Camisia spinifer* (C.L. Koch, 1835)**

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010), Oni, Kvabiskhevi Reserve (Murvanidze & Mumladze 2014); E: Sioni, Manglisi, Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Conifer forest soils and tree trunks

***Heminothrus longisetosus* Willmann, 1925**

Distribution in Georgia. W: Musera (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Heminothrus paolianus* (Berlese, 1913)**

Distribution in Georgia. W: Musera (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Heminothrus targionii* (Berlese, 1885)**

Distribution in Georgia. W: Ritsa Reserve, Bzyb, Mtirala National Park, Akhaldaba, Borjomi, Sairme, Oni; E: Khashuri, Omalo, Batsara-Babaneuri Reserve (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Mountain forest soils

***Platynothrus peltifer* (C.L. Koch, 1835)**

Syn.: *Heminothrus abchasicus* Tarba, 1990 *sensu* Shtanchaeva & Subías 2010 and Tarba 1990; *Heminothrus peltifer* (Koch, 1835) *sensu* Arabuli G. *et al.* 2007; *Platynothrus grandjeani* Sitnikova, 1975 *sensu* Arabuli *et al.* 2004, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000, Murvanidze *et al.* 2004

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. All types of habitats

Family: Hermanniidae Sellnick, 1928

***Hermannia gibba* (C.L. Koch, 1839)**

Distribution in Georgia. Whole country, but rare (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

Family: Malaconothridae Berlese, 1916

***Malaconothrus globiger* Trägårdh, 1910**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Forest soils

***Malaconothrus monodactylus* (Michael, 1888)**

Syn.: *Malaconothrus egregius* (Berlese, 1904) *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000; *Malaconothrus processus* Hammen, 1952 *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. W: Ritsa Reserve, Musera, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Wet meadows, swamps and forest soils

Remark. For Abkhazian region of Georgia, presence of *M. processus* Hammen, 1952 is reported by Shtanchaeva and Subías (2010); however, this species is known as a junior synonym of *M. monodactylus* (Weigmann 2006).

***Tyrphonothrus glaber* (Michael, 1888)**

Syn.: *Trimalaconothrus glaber* (Michael, 1888) *sensu* Colloff & Cameron 2013

Distribution in Georgia. W: Batumi Botanical Garden, Borjomi, Tsemi; E: Manglisi, Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

Family: Nanhermanniidae Sellnick, 1928

***Nanhermannia elegantula* Berlese, 1913**

Distribution in Georgia. W: Ritsa Reserve, Musera, New Aphon; Batumi Botanical Garden; E: Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Broadleaved and coniferous forest soils

***Nanhermannia komareki* Kunst, 1956**

Distribution in Georgia. E: Saguramo (Shtanchaeva & Subías 2010)

Global distribution. European
Ecology. Wet mosses and acidic forest soils

***Nanhermannia nana* (Nicolet, 1855)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011; Mumladze & Murvanidze 2013; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan
Ecology. Bogs, wetlands, wet and humid forest soils

***Nippohermannia parallela* (Aoki, 1961)**

Distribution in Georgia. W: Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic
Ecology. Forest soils

Family: Nothridae Berlese, 1896

***Nothrus anauniensis* Canestrini & Fanzago, 1876**

Distribution in Georgia. Whole country, frequent in Eastern part of the country

Global distribution. Cosmopolitan
Ecology. Forest soils

Remark. In checklists of Georgian and Caucasian oribatid mites (Djaparidze 1974, Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000; Shtanchaeva 2001), *N. anauniensis* was reported from Abkhazia and *N. biciliatus* C.L. Koch, 1841 was reported from the rest of the Georgia. In the world checklist of Subías (2004, updated in 2015), *N. biciliatus* is considered as a junior synonym of *N. anauniensis*. In the Catalogue the presence of *N. anauniensis* is reported for the same locations in Georgia, where *N. biciliatus* was previously registered.

***Nothrus borussicus* Sellnick, 1928**

Distribution in Georgia. Mountainous regions of the country (Shtanchaeva & Subías 2010)

Global distribution. Holarctic
Ecology. Alpine meadows and mountain forests

***Nothrus longipilus* (Berlese, 1910)**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. European
Ecology. Forest soils

***Nothrus macedi* Beck, 1962**

Distribution in Georgia. W: Ipari, Banguriani (Shtanchaeva & Subías 2010)

Global distribution. Neotropics and Palaearctic
Ecology. Alpine meadows

***Nothrus palustris* C.L. Koch, 1839**

Distribution in Georgia. W: Kolkheti National Park, Kvabiskhevi Reserve; E: Tavkvetila Mountain (Arabuli G. *et al.* 2008; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic
Ecology. Wet and humid forest soils

***Nothrus parvus* Sitnikova, 1975**

Distribution in Georgia. E: Batsara-Babaneuri Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic
Ecology. Forest soils

***Nothrus pratensis* Sellnick, 1928**

Distribution in Georgia. W: Kolkheti National Park, Jurukveti; E: Sioni, Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Wet and humid soils, swamps

Remark. As one of the locality records, Trialeti range is indicated in the Catalogue after publications of Darejanashvili (2000) and Darejanashvili & Gurgeniidze (2004). However, in Darejanashvili (2000) only forest type is indicated without geographical location and in Darejanashvili & Gurgeniidze (2004) this species is not listed at all. Also “Eastern Georgia” as a whole is regarded as one sampling point, which cannot be regarded as single locality. So, we excluded these locations from the list.

***Nothrus silvestris* Nicolet, 1855**

Distribution in Georgia. W: Tetnaldi Mountain,* Ritsa Reserve, Ajara region, Racha range, Itkhvisi; E: Norio, Algethy Reserve, Lagodekhi Reserve (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Alpine meadows and forest soils

Family: Trhypochthoniidae Willmann, 1931

***Trhypochthonius tectorum* (Berlese, 1896)**

Distribution in Georgia. Whole country (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Weigmann (2006) indicates this species to be rare in forest soils and frequent in dry meadow mosses, however in Georgia it is mostly found in dry to mesophil forest soils and rarely in open meadows

Superfamily: Hermannielloidea Grandjean, 1934

Family: Hermanniellidae Grandjean, 1934

***Hermanniella aliverdievae* Shtanchaeva & Subías, 2012**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Hermanniella clavigera* Berlese, 1908**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. USA, Caucasus

Ecology. Forest soils

***Hermanniella dolosa* Grandjean 1931**

Distribution in Georgia. W: Ritsa Reserve, Musera, Kolkheti National Park, Kintrishi Reserve, Batumi Botanical Garden, Sataplia Reserve; E: Sioni (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Wet and humid forest soils

***Hermanniella granulata* (Nicolet, 1855)**

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Hermanniella multipora* Sitnikova, 1973**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Hermanniella punctulata* Berlese, 1908**

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Hermanniella reticulata* Sitnikova, 1973**

Distribution in Georgia. W: Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Hermanniella serrata* Sitnikova, 1973**

Distribution in Georgia. W: Batumi Botanical Garden, Racha range, Likhi range; E: Khashuri, Batsara-Babaneuri Reserve, Gombori range, Algety Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Family Plasmobatidae Grandjean, 1961

***Plasmobates pagoda* Grandjean, 1929**

Distribution in Georgia. W: Ochamchire (Shtanchaeva & Subías 2010)

Global distribution. Tropical

Ecology. Forest soils

Superfamily Neoliodoidea Sellnick, 1928

Family Neoliodidae Sellnick, 1928

***Neoliodes theleproctus* (Hermann, 1804)**

Syn.: *Liodes theleproctus* (Hermann, 1804) *sensu* Karppinen *et al.* 1987 and Murvanidze & Darejanashvili, 2000

Distribution in Georgia. Eastern part of the country (Murvanidze & Kvavadze 2006; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Xerophilic, arboricolous, arid woodlands, dry meadows, semi-deserts

***Platyliodes scaliger* (C.L.Koch, 1839)**

Distribution in Georgia. W: Abkhazia, Borjomi gorge (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Dry meadow soils according to Weigmann *et al.* (2015), in Georgia is found in forest soils

***Poroliodes farinosus* (C.L.Koch, 1840)**

Syn.: *Liodes farinosus* (C.L.Koch, 1840) *sensu* Krivolutsky & Tarba 1972

Distribution in Georgia. W: Musera, Mtirala National Park, Borjomi gorge; E: Shatili, Algethy Reserve (Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Arboricolous, rare in forest and meadow soils

Superfamily: Plateremaeoidea Trägårdh, 1928

Family: Aleurodamaeidae Paschoal & Johnston, 1984

***Aleurodamaeus setosus* (Berlese, 1883)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Aleurodamaeus trichosus* (Kulijev, 1979)**

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

Family: Gymnodamaeidae Grandjean, 1954

***Gymnodamaeus austriacus* Willmann, 1935**

Distribution in Georgia. E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Xerothermophilic, forests, urban soils, semi-deserts

***Gymnodamaeus bicostatus* (C.L. Koch, 1836)**

Distribution in Georgia. W: Ritsa Reserve, Sokhumi, Paliastomi Lake; E: Tbilisi, Algethy Reserve (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Gymnodamaeus frondeus* (Kulijev, 1979)**

Distribution in Georgia. W: Borjomi gorge; E: Tbilisi, David Gareji, Vashlovani Reserve (Murvanidze & Kvavadze 2006; Murvanidze *et al.* 2008; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Xerothermophilic, forests, urban soils, semi-deserts

Remark. In the previous publications (Murvanidze & Kvavadze 2006; Murvanidze & Mumladze 2014, Murvanidze *et al.* 2008, 2013) the species was erroneously reported as *Jacotella ornata* (Perez-Inigo, 1972). After reexamination of the material, we identified it as *G. frondeus*.

***Arthrodamaeus femoratus* (C.L. Koch, 1840)**

Syn.: *Adrodamaeus femoratus* (C.L. Koch, 1840) *sensu* Shtanchaeva & Subías, 2010, *Allodamaeus femoratus* (C.L. Koch, 1840) *sensu* Djaparidze 1966, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000

Distribution in Georgia. Whole country (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Meadow and forest soils

***Arthrodamaeus mongolicus* Bayartogtokh & Weigmann, 2005**

Syn.: *Adrodamaeus mongolicus* (Bayartogtokh & Weigmann, 2005) *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Arthrodamaeus starki* (Bulanova-Zachvatkina, 1967)**

Syn.: *Adrodamaeus starki* (Bulanova-Zachvatkina, 1967) *sensu* Shtanchaeva & Subías 2010; *Allodamaeus starki*

Bulanova-Zachvatkina, 1967 *sensu* Darejanashvili & Gurgenidze 2004, Djaparidze 1963, 1966, 1974, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000

Distribution in Georgia. W: Sokhumi, Kintrishi Reserve, Motsameta, Tskaltubo, Borjomi gorge; E: Sioni, Tbilisi, Manglisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Family: Licnobelbidae Grandjean, 1965

Licnobelba caesarea (Berlese, 1910)

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

Licnobelba latiflabellata (Paoli, 1908)

Syn.: *Licnobelba alestentnsis* Grandjean, 1931 *sensu* Murvanidze *et al.* 2004, Murvanidze & Kvavadze 2006

Distribution in Georgia. W: Mtirala National Park, Darkveti; E: Tetritskaro (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest and meadow soils

Family: Licnodamaeidae Grandjean, 1954

Licnodamaeus costula Grandjean, 1931

Distribution in Georgia. E: Tbilisi*

Global distribution. Mediterranean

Ecology. Arid woodlands

Licnodamaeus pulcherrimus (Paoli, 1908)

Distribution in Georgia. W: Ritsa Reserve, Musera (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Remark. As one of the locations for this species, Eastern Georgia is indicated in the Catalogue based on the summary of the doctoral thesis of Sh. Darejanashvili (1976); however, in the summary only forest types are indicated without indication of any geographical location. We have not found this species in the eastern part of the country. Because of the unclear information, this distributional data is discarded.

Licnodamaeus undulatus (Paoli, 1908)

Distribution in Georgia. W: Bzyb, Ajara region, Darkveti, Borjomi gorge; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Family: Plateremaeidae Trägårdh, 1926

Lopheremaeus mirabilis (Csiszar, 1962)

Syn.: *Plateremaeus mirabilis* Csiszar, 1962 *sensu* Murvanidze 2002, Murvanidze *et al.* 2004, Murvanidze & Todria 2015

Distribution in Georgia. W: Tetnuldi Mountain*, Machakhela gorge, Pushurkauli, Bako Mountain.; E: Tbilisi, Algethy Reserve, Kavtiskhevi (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean
Ecology. Alpine meadows, forest and urban soils

Superfamily: Damaeoidea Berlese, 1896

Family: Damaeidae Berlese, 1896

***Belba bartosi* Winkler, 1955**

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Coniferous forest soils

***Belba corynopus* (Hermann, 1804)**

Distribution in Georgia. W: Musera, Batumi Botanical Garden, Kintrishi Reserve; E: Kazreti (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Humid forest soils

***Belba dubinini* Bulanova-Zachvatkina, 1962**

Distribution in Georgia. Whole country (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Belba sculpta* Mihelčič, 1957**

Distribution in Georgia. W: Anaklia, Mtirala National Park, Itkhvisi; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Damaeobelba minutissima* (Sellnick, 1929)**

Distribution in Georgia. W: Kintrishi Reserve, Mtirala National Park, Vakijvari (Murvanidze *et al.* 2015)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Damaeus alpinus* (Schweizer, 1956)**

Syn.: *Parabelbella alpina* (Schweizer, 1956) *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. W: Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Damaeus crispatus* (Kulczynski, 1902)**

Syn.: *Hypodamaeus crispatus* (Kulczynski, 1902) *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia Reserve (Shtanchaeva & Subías 2010), Tetnuldi Mountain*

Global distribution. Palaearctic

Ecology. Forest soils

***Damaeus echinopus* Bulanova-Zachvatkina, 1957**

Syn.: *Hypodamaeus echinopus* Bulanova-Zachvatkina, 1957 *sensu* Krivolutsky & Tarba 1972, Tarba 1976

Distribution in Georgia. W: Abchazian region (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Damaeus glycyphagoides* Bulanova-Zachvatkina, 1957**

Syn.: *Hypodamaeus glycyphagoides* Bulanova-Zachvatkina, 1957 *sensu* Tarba 1976

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Damaeus gracilipes* (Kulczynski, 1902)**

Distribution in Georgia. W: Chorokhi River gorge*, Chokhatauri*; E: Kvabiskhevi Reserve*

Global distribution. Holarctic

Ecology. Moss and litter

***Damaeus pseudoauritus* Bulanova-Zachvatkina, 1957**

Syn.: *Hypodamaeus pseudoauritus* Bulanova-Zachvatkina, 1957 *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Damaeus riparius* Nicolet, 1855**

Syn.: *Hypodamaeus riparius* (Nicolet, 1855) *sensu* Krivolutsky & Tarba 1972

Distribution in Georgia. W: Sokhumi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Moss and litter

***Epidamaeus aleinikovae* (Bulanova-Zachvatkina, 1964)**

Distribution in Georgia. W: Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Epidamaeus bituberculatus* (Kulczynski, 1902)**

Distribution in Georgia. W: Kvabiskhevi Reserve (Murvanidze & Mumladze 2014)

Global distribution. Palaearctic

Ecology. Forest soils

***Epidamaeus flexispinosus* (Kunst, 1961)**

Distribution in Georgia. E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Epidamaeus pinguis* (Kulijev, 1967)**

Distribution in Georgia. W: Kidobana and Shareula caves (Murvanidze 2014)

Global distribution. Caucasus

Ecology. Cave entrance

***Epidamaeus setiger* (Kulczynski, 1902)**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Moss and litter

***Metabelba filippovae* Bulanova-Zachvatkina, 1965**

Distribution in Georgia. W: Sokhumi (Shtanchaeva & Subías 2010), Kolkheti National Park

Global distribution. Caucasus

Ecology. Forest soils

***Metabelba flagelliseta* Bulanova-Zachvatkina, 1965**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Humid forest soils

***Metabelba italica* Sellnick, 1931**

Distribution in Georgia. W: Pushurkauli; E: Saguramo, Tbilisi (Shtanchaeva & Subías 2010), Saparlo*

Global distribution. European

Ecology. Forest soils

***Metabelba monilipeda* Bulanova-Zachvatkina, 1965**

Distribution in Georgia. W: Kintrishi Reserve, Batumi Botanical Garden, Mtirala National Park (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Humid forest soils

***Metabelba papillipes* (Nicolet, 1855)**

Distribution in Georgia. W: whole country (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010); E: Tbilisi

Global distribution. Holarctic

Ecology. Forest soils

***Metabelba propexa* (Kulczynski, 1902)**

Distribution in Georgia. W: Kvabiskhevi Reserve*

Global distribution. Europe

Ecology. Forest soils

***Metabelba pseudoitalica* Bulanova-Zachvatkina, 1965**

Distribution in Georgia. W: Ritsa Reserve, Musera (Shtanchaeva & Subías 2010), Parto Tskali Lake*, Borjomi gorge*, Akhalkalaki*.

Global distribution. Caucasus

Ecology. Humid forest soils

***Metabelba pulverosa* Strenzke, 1953**

Syn.: *Belba pulverulenta* (C.L. Koch, 1839) *sensu* Darejanashvili, 1966, *Metabelba pulverulenta* (C.L. Koch, 1839) *sensu* Arabuli. *et al.* 2004, Darejanashvili & Gurgenedze 2004, Djaparidze 1974, Karppinen *et al.* 1987, Mumladze *et al.* 2013, Murvanidze & Darejanashvili 2000, Murvanidze *et al.* 2004, Murvanidze & Kvavadze, 2006, Murvanidze & Mumladze 2014, Shtanchaeva & Subías 2010

Distribution in Georgia. Whole country (Murvanidze & Mumladze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Metabelba rara* Bulanova-Zachvatkina, 1965**

Distribution in Georgia. W: Tetnaldi Mountain,* Ritsa Reserve, Musera, Sokhumi, Anaklia, Kintrishi Reserve, Tsutskhvati cave, Oni, Aspindza; E: Tbilisi, Algety Reserve (Murvanidze, 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Metabelbella macerochaeta* Bulanova-Zachvatkina, 1965**

Distribution in Georgia. W: Ritsa Reserve, Pitsunda, Kolchheti National Park, vil. Pushurkauli, Sakajia cave, Tsaghveri; E: Algethy Reserve (Murvanidze 2014; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Metabelbella zachvatkini* Bulanova-Zachvatkina, 1957**

Distribution in Georgia. W: Batumi Botanical Garden; E: Saguramo, Dmanisi (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Porobelba spinosa* (Sellnick, 1920)**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden, Kintrishi Reserve, Mtirala National Park, Tskaltubo, Sairme, Sataplia Reserve, Motena cave, Onchkhevi, Tavkvetila Mountain; E: Uplistsikhe, Tbilisi, Tserovani, Tsodoreti, Kazreti*, Algethy Reserve (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Spatiodamaeus fagei* Bulanova-Zachvatkina, 1957**

Distribution in Georgia. W: Gelati*

Global distribution. Mediterranean

Ecology. Moss, litter, peat bogs

Superfamily: Eutegaeoidea Woolley, 1965

Family: Compactozetidae Luxton, 1988

***Caucaseremaeus krivolutski* Shtanchaeva & Subías, 2006**

Distribution in Georgia. W: Mtirala National Park*

Global distribution. Caucasus

Ecology. Forest soils

***Cepheus caucasicus* Sitnikova, 1975**

Distribution in Georgia. W: Ritsa Reserve, Kolkheti National Park, Mtirala National Park (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid forest soils

***Cepheus dentatus* (Michael, 1888)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Tskaltubo, Mtirala National Park; Borjomi gorge, Kvashkhieti; E: Khashuri, Batsara-Babaneuri Reserve, Algethy Reserve (Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Cepheus latus* C.L. Koch, 1835**

Distribution in Georgia. W: Ritsa Reserve, Musera (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Conoppia palmicincta* (Michael, 1884)**

Distribution in Georgia. W: Mtirala National Park, Sairme (Mumladze *et al.* 2015; Murvanidze *et al.* 2015)

Global distribution. Holarctic

Ecology. Forest soils and tree trunks

***Eupterotegaeus ornatissimus* (Berlese, 1908)**

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Hypocephus mirabilis* Krivolutsky, 1971**

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Ommatocephus ocellatus* (Michael, 1882)**

Distribution in Georgia. W: Pitsunda, Mtirala Reserve (Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Subtropical forest canopy

***Oribatodes heterosetosus* Sitnikova, 1975**

Distribution in Georgia. W: Ritsa Reserve, Sakeni, Banguriani, Mtirala National Park, Darkveti, Racha region, Borjomi gorge; E: Dedoplistskaro, Algethy Reserve (Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils, rare in steppes

Superfamily: Microzetoidea Grandjean, 1936

Family: Microzetidae Grandjean, 1936

***Berlesezetes auxiliaris* (Grandjean, 1936)**

Distribution in Georgia. W: Sokhumi (Shtanchaeva & Subías 2010); E: Tbilisi, Gardabani (Murvanidze & Todria 2015)

Global distribution. Pantropical

Ecology. Dry and humid forest soils and meadows

***Berlesezetes aff. cuspidatus* Mahunka, 1982**

Distribution in Georgia. E: Dedoplistskaro*

Global distribution. Mediterranean

Ecology. Steppe soils

Remark. Georgian finding has some differences from original species regarding lamellar length and shape of the rostrum. The first author has sent the individuals to Dr. Sergey Ermilov who compared them with type material of Mahunka. Based on morphology alone, Georgian find is not a new species, although the genetic analysis may prove the contrary.

***Microzetes caucasicus* (Krivolutsky, 1967)**

Syn.: *Nellacarus caucasicus* Krivolutsky, 1967 *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000, Murvanidze & Kvavadze 2009

Distribution in Georgia. Whole country (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid forest soils and meadows

***Miracarus hurkai* Kunst, 1959**

Distribution in Georgia. W: Tsivtskala cave (Murvanidze 2014)

Global distribution. European

Ecology. Cave entrance

Superfamily: Ameroidea Bulanova-Zachvatkina, 1957

Family: Ameridae Bulanova-Zachvatkina, 1957

***Amerus polonicus* Kulczynski, 1902**

Distribution in Georgia. W: Tsemi, Mtirala National Park; E: Khashuri (Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010), Kazreti*

Global distribution. Southern Palaearctic

Ecology. Forest soils

***Amerus troisii* (Berlese, 1883)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Sokhumi, Kintrishi Reserve, Darkveti; E: Batsara-Babaneuri Reserve, Gombori range, Mariamjvari Reserve, Algety Reserve, Vashlovani Reserve (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

Family: Amerobelbidae Grandjean, 1961

***Amerobelba decedens* Berlese, 1908**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Rastellobata rastelligera* (Berlese, 1908)**

Syn.: *Amerobelba rastelligera* (Berlese, 1908) *sensu* Djaparidze 1974; Karppinen *et al.* 1987

Distribution in Georgia. E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Dry soils

Family: Caleremaeidae Grandjean, 1965

***Caleremaeus monilipes* (Michael, 1882)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Ispani bogs, Kintrishi Reserve, Mtirala National Park, Itkhvisi; E: Batsara-Babaneuri Reserve (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Family: Ctenobelbidae Grandjean, 1965

***Ctenobelba heterosetosa* Murvanidze & Weigmann, 2007**

Distribution in Georgia. W: Mtirala National Park (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Ctenobelba pectiniger* (Berlese, 1908)**

Distribution in Georgia. W: Sokhumi (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Forest soils and dry, open biotops

***Ctenobelba pilosella* Jeleva, 1962**

Distribution in Georgia. W: Musera, Ajara region, Darkveti*; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Ctenobelba translamellata* Iordansky, 1990**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

Family: Damaeolidae Grandjean, 1965

***Damaeolus asperatus* (Berlese, 1904)**

Distribution in Georgia. W: Bzyb, Musera, Poti, Mtirala National Park, Sataplia Reserve; E: Khashuri, Kazreti* (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Damaeolus ornatissimus* Csiszar, 1962**

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010). Frequent, but low quantities

Global distribution. Palaearctic

Ecology. All types of habitats

***Fosseremus laciniatus* (Berlese, 1905)**

Distribution in Georgia. W: Ritsa Reserve, Bzyb, Sataplia Reserve; E: Tbilisi, Algety Reserve, Kazreti (Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Forest soils

Family: Eremobelbidae Balogh, 1961

***Eremobelba geographica* Berlese, 1908**

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Eremobelba gracilior* Berlese, 1908**

Distribution in Georgia. Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

Family: Eremulidae Grandjean, 1965

***Eremulus flagellifer* Berlese, 1908**

Distribution in Georgia. W: Kolkheti National Park; E: Tbilisi (Shtanchaeva & Subías 2010), Kvareli*, Gremi*

Global distribution. Cosmopolitan

Ecology. Forest soils and meadows

Family: Hungarobelbidae Miko & Trave, 1996

***Hungarobelba visnyai* (Balogh, 1943)**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010), Itkhvisi*

Global distribution. Palaearctic

Ecology. Forest soils

Family: Spinozetidae Balogh, 1972

***Spinozetes inexpectatus* Piffel, 1966**

Distribution in Georgia. E: Tbilisi*, Kazreti*

Global distribution. Europe

Ecology. Arid forest soils

Superfamily: Zetorchestoidea Michael, 1898

Family: Eremaeidae Oudemans, 1900

***Eremaeus hepaticus* C.L. Koch, 1836**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils, tree trunks and moss

***Eremaeus longiseta* Djaparidze, 1990**

Distribution in Georgia. E: Eladri steppes (Djaparidze 1990a)

Global distribution. Caucasus

Ecology. Steppe soil

***Eremaeus tuberosus* Gordeeva, 1970**

Distribution in Georgia. W: Ritsa Reserve, Musera; Tsaghveri (Shtanchaeva & Subías 2010).

Global distribution. Palaearctic

Ecology. Forest soils

***Eueremaes oblongus* (C.L. Koch, 1836)**

Syn.: *Eremaeus oblongus* (C.L. Koch, 1836) *sensu* Arabuli T. *et al.* 2004, Arabuli G. *et al.* 2008, Darejanashvili & Gurgendze 2004, Djaparidze 1963, 1974, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000, Tarba 1976

Distribution in Georgia. W: Ritsa Reserve, Musera, Batumi Botanical Garden, Mtirala National Park, Goderdzi pass, Itkhvisi, Tsemi; E: Khashuri, Batsara-Babaneuri Reserve, Tbilisi, Mtskheta, Tserovani, Algethy Reserve, Shuamta, Mere, Mariamjvari Reserve (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils and tree trunks

Family: Zetorchestidae Michael, 1898

***Microzetorchestes emeryi* (Coggi, 1898)**

Distribution in Georgia. W: Sokhumi; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Dry meadows

***Zetorchestes micronychus* (Berlese, 1883)**

Syn.: *Zetorchestes falzonii* Coggi, 1898 *sensu* Murvanidze *et al.* 2013, Murvanidze 2014

Distribution in Georgia. Whole country (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Remark. Weigmann (2006) accepts name *Z. falzonii* Coggi, 1898 after Krisper (1984). He also indicates that middle European findings of *Z. micronychus* which are regarded as *Z. falzonii* need to be proved. Subías (2004 electronic update 2015) accepted name *Z. micronychus* for Palaearctic region and placed *Z. falzonii* as a synonym. Unless the differences between these two species are identified, I prefer to use the species name, which is widely used in Caucasian literature.

***Zetorchestes flabrarius* Grandjean, 1951**

Distribution in Georgia. W: Borjomi (Darejanashvili, 2000)

Global distribution. Mediterranean

Ecology. Dry meadows

Remark. As the distribution sites of this species Eastern Georgia and Trialeti range are indicated in the Catalogue. After the examination of original source (Darejanashvili, 2000), the correct location in Borjomi was defined.

***Zetorchestes phyllosetus* Mahunka, 1977**

Distribution in Georgia. W: Bzyb; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

Superfamily: Gustavioidea Oudemans, 1900

Family: Astegistidae Balogh, 1961

***Cultroribula bicultrata* (Berlese, 1905)**

Distribution in Georgia. W: widespread (Murvanidze *et al.* 2011, 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010); E: Kazreti*

Global distribution. Holarctic

Ecology. Humid forest soils

***Cultroribula confinis* Berlese, 1908**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Furcoribula furcillata* (Nordenskiöld, 1901)**

Distribution in Georgia. E: Algethy Reserve, vil. Mere (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

Family: Gustaviidae Oudemans, 1900

***Gustavia fusifer* (C.L. Koch, 1841)**

Distribution in Georgia. W: Ochamchire, Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Gustavia longicornis* (Berlese, 1904)**

Distribution in Georgia. W: Ritsa Reserve, Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Gustavia maior* (Berlese, 1904)**

Distribution in Georgia. W: Ritsa Reserve, Bzyb (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. unclear

***Gustavia microcephala* (Nicolet, 1855)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Family: Liacaridae Sellnick, 1928

***Adoristes (Adoristes) ovatus* (C.L. Koch, 1840)**

Syn.: *Adoristes poppei* (Oudemans, 1906) *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Krivolutsky & Tarba 1972, Murvanidze & Darejanashvili 2000

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats with preference of forest soils

***Adoristes (Gordeviella) krivolutsky* Shtanchaeva, Subías & Arillo, 2010**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Dorycranosus ovatus* Djaparidze, 1973**

Distribution in Georgia. E: Tskneti (Djaparidze 1973)

Global distribution. Caucasus

Ecology. Forest soil

Remark. The species is regarded as junior synonym to *D. moraviacus* (Willmann, 1954) by Krivolutsky (1975), but in Weigmann (2006) *D. moraviacus* is listed as junior synonym of *D. acutus* (Pschorn-Walcher, 1951). After examination of holotype, Mahunka (1979) stated *D. ovatus* as a valid species. Subías (2010) created the nomen novum *Liacarus (Dorycranosus) djaparidzae* for this Caucasian species because of homonymy with *Liacarus ovatus* Mihelčič, 1954 after transposition to *Dorycranosus*. The species is mentioned under the same name in the Catalogue (Subías & Shtanchaeva 2010). Since we support the genus *Dorycranosus* Wooley, 1969, we stay with the original species name, *Dorycranosus ovatus*.

***Dorycranosus splendens* (Coggi, 1898)**

Syn.: *Dorycranosus punctulatus* (Mihelčič, 1956) *sensu* Shtanchaeva & Subías 2010; *Liacarus moraviacus*

Willmann, 1954 *sensu* Djaparidze 1974; *Liacarus punctulatus* Mihelčič, 1956 *sensu* Djaparidze 1974, Krivolutsky & Tarba 1972

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Forest soil

***Dorycranosus zachvatkini* (Kulijev, 1962)**

Distribution in Georgia. E: Skra, Martkopi (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Moss in meadow

Remark. Djaparidze (1973) described *D. ibericus*, which is now regarded as junior synonym of *D. zachvatkini* after Shtanchaeva (2008).

***Liacarus brevilamellatus* Mihelčič, 1955**

Syn.: *Liacarus major* Mihelčič, 1955 *sensu* Darejanashvili & Gurgenidze 2004, Djaparidze 1963, 1974

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Forest soils, moss, litter

***Liacarus coracinus* (C.L. Koch, 1841)**

Distribution in Georgia. Whole country (Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils, moss, litter

***Liacarus laterostris* Mihelčič, 1954**

Distribution in Georgia. W: Musera (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Forest soils

***Liacarus longipilis* Shtanchaeva, Subías & Arillo, 2010**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Liacarus nitens* (Gervais, 1844)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Mtirala National Park, Batumi Botanical Garden (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils, moss, litter

***Liacarus perezinigo* Capilla, 1972**

Distribution in Georgia. W: Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Liacarus subiasi* Shtanchaeva, 2008**

Distribution in Georgia. W: Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasian

Ecology. Forest soils

***Liacarus subterraneus* (Koch, 1844)**

Syn.: *Liacarus gracilis* Mihelčič, 1954 *sensu* Krivolutsky & Tarba 1972

Distribution in Georgia. W: Ritsa Reserve, Bzyb, Sokhumi, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Liacarus tubifer* Djaparidze & Melamud, 1990**

Distribution in Georgia. W: Kintrishi Reserve, Mtirala National Park, Itkhvisi; E: Lagodekhi Reserve, vil. Brili (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Liacarus xylariae* (Schrank, 1803)**

Distribution in Georgia. W: Ritsa Reserve, Sokhumi, Mtirala National Park, Mghvimevi; E: Tbilisi, Mtskheta, Tskneti, Kazreti (Murvanidze *et al.* 2013, 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Scarabacarus longisensillus* Shtanchaeva & Subías 2010**

Distribution in Georgia. W: Mtirala National Park, Mukhli (Murvanidze *et al.* 2015)

Global distribution. Caucasus

Ecology. Humid forest soils

***Stenoxenillus incisus* Grobler *et al.*, 2013**

Distribution in Georgia. W: Kintrishi Reserve, Kvabiskhevi Reserve, Sairme (Murvanidze & Mumladze 2014; Mumladze *et al.* 2015)

Global distribution. Turkey, Caucasus

Ecology. Forest soils

***Xenillus clypeator* Robineau-Desvoidy, 1839**

Distribution in Georgia. W: Ritsa Reserve, Musera, Sokhumi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Xenillus discrepans* Grandjean, 1936**

Distribution in Georgia. W: Ritsa Reserve, Musera, Saken; E: Saguramo, Manglisi, Tbilisi, Dmanisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Xenillus ibericus* Djaparidze, 1974**

Distribution in Georgia. W: Bzyb, Ochamchire, Sataplia Reserve, Tsemi, Akhalkalaki; E: Tbilisi, Tskneti, Martkopi, Sioni (Djaparidze 1974)

Global distribution. Caucasus

Ecology. Arid forest soils, moss, litter

***Xenillus stepensis* Djaparidze, 1974**

Distribution in Georgia. W: Tsemi, Akhalkalaki; E: Tskhinvali, Tbilisi, Tskneti, Batsara-Babaneuri Reserve (Djaparidze 1974)

Global distribution. Caucasus

Ecology. Arid forest soils, moss, litter

***Xenillus tegeocranus* (Hermann, 1804)**

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils, moss, litter

Family: Peloppiidae Balogh, 1943

***Ceratoppia abchastica* Krivolutsky & Tarba, 1971**

Distribution in Georgia. W: Ritsa Reserve, Musera, New Aphon, Kolkheti National Park; E: Tbilisi, Mtskheta (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Ceratoppia bipilis* (Hermann, 1804)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Ceratoppia quadridentata* (Haller, 1882)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils, rare in meadows

***Pyroppia tajikistanica* Krivolutsky & Christov, 1970**

Distribution in Georgia. W: Ritsa Reserve, Musera, Sokhumi; E: Stepantsminda (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Superfamily: Carabodoidea C.L. Koch, 1837

Family: Carabodidae C.L. Koch, 1837

***Austrocarabodes ensifer* (Sellnick, 1931)**

Distribution in Georgia. W: Racha region*

Global distribution. Southern Palaearctic

Ecology. Forest soils

***Austrocarabodes foliaceisetus georgiensis* Murvanidze & Weigmann, 2007**

Distribution in Georgia. E: Kavtiskhevi, Kajiri mnt, Pantishara gorge (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Dry steppe

***Carabodes areolatus* Berlese, 1916**

Distribution in Georgia. W: Tsagveri, Tsemi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Carabodes auriculatus* Mahunka, 1987**

Distribution in Georgia. W: Ritsa Reserve, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Carabodes bidens* (Djaparidze, 1990)**

Syn.: *Flexa bidens* Djaparidze, 1990 *sensu* Djaparidze 1990, *Carabodes (Flexa) bidens* (Djaparidze 1990) *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. W: Tsagveri, Tsemi; E: Ananuri (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

Remarks: The species was described as *Flexa bidens* (Djaparidze 1990a). Murvanidze and Weigmann (2007) presented an argumentation to consider the genus *Flexa* Kulijev, 1977 as a synonym of *Carabodes*; hereafter all species described as *Flexa* will be presented under the genus *Carabodes*.

***Carabodes coriaceus* C.L. Koch, 1835**

Distribution in Georgia. E: Dmanisi, Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Palaeartic

Ecology. Forest soils

***Carabodes djaparidzae* Murvanidze & Weigmann, 2007**

Distribution in Georgia. W: Batumi Botanical Garden; Kvabiskhevi Reserve; E: Shuamta, Omalo, Shatili, Mariamjvari Reserve, Tserovani, Algety Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Mountain forest soils

***Carabodes dubius* Kulijev, 1968**

Syn.: *Carabodes (Flexa) dubius* (Kuliev, 1968) *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. W: Itkhvisi, Kvabiskhevi Reserve, Likhi range (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Mountain forest soils

***Carabodes egregius* Djaparidze, 1990**

Distribution in Georgia. W: Musera; E: Tskneti (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Mountain forest soils

***Carabodes femoralis* (Nicolet, 1855)**

Distribution in Georgia. W: Kolkheti National Park, Sairme, Ajara region; E: Batsara-Babaneuri Reserve, Algethy Reserve, Ujarma (Mumladze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaeartic

Ecology. Forest soils, moss, litter, tree bark and canopy.

***Carabodes granulatus* Banks, 1895**

Distribution in Georgia. W: Surami range (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Carabodes horreo* (Djaparidze, 1990)**

Syn.: *Flexa horreo* Djaparidze, 1990 *sensu* Djaparidze 1990; *Carabodes (Flexa) horreo* (Djaparidze, 1990) *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. W: Becho, Tsaghveri (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Mountain forest soils

***Carabodes kintrishiana* Murvanidze, 2008**

Distribution in Georgia. W: Kintrishi Reserve, Mtirala National Park; E: Kavtiskhevi (Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Carabodes labyrinthicus* (Michael, 1879)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Borjomi gorge; E: Shenako (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils, moss, litter, tree bark and canopy

***Carabodes marginatus* (Michael, 1879)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Tsaghveri, Tsemi; E: Dmanisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Carabodes minusculus* Berlese, 1923**

Distribution in Georgia. W: Musera, Tsaghveri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Carabodes procerus* Weigmann & Murvanidze 2003**

Distribution in Georgia. W: Ispani bogs, Kintrishi Reserve, Mtirala National Park, Batumi Botanical Garden; E: Gombori range, Kldekari (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid forest soils, moss, litter

***Carabodes reticulatus* Berlese, 1913**

Distribution in Georgia. W: Tsemi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Carabodes rugosior* Berlese, 1916**

Distribution in Georgia. Whole country (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Carabodes schatzi* Bernini, 1976**

Distribution in Georgia. W: Tetnuldi Mountain*; E: Batsara-Babaneuri Reserve, Gombori Range, Mariamjvari Reserve (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Mountain forest soils

***Carabodes scopulae* Kulijev, 1968**

Distribution in Georgia. W: Ritsa Reserve, Saken (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid forest soils

Remark. Presence of *C. scopulae* is indicated in “Eastern Georgia” based on the summary of the PhD thesis of Darejanashvili (1976), no geographical location is indicated and no voucher specimens are preserved. We did not include this uncertain location in the checklist.

***Carabodes subarcticus* Trägårdh, 1902**

Distribution in Georgia. W: Kintrishi Reserve, Tsemi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Coniferous forest soils

***Carabodes tenuis* Forsslund, 1953**

Distribution in Georgia. W: Kintrishi Reserve, Mtirala National Park, Tsemi (Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Coniferous forest soils

***Carabodes willmanni* Bernini, 1975**

Distribution in Georgia. W: Kvabiskhevi Reserve; E: Tavkvetila Mountain, Tbilisi, Norio, Kazreti* (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Odontocephus elongatus* (Michael, 1879)**

Distribution in Georgia. W: Musera, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

Remark. The presence of *O. elongatus* in the Trialeti range is also indicated in Catalogue based on the publication of Darejanashvili (2000); however, in this paper only the forest type (broadleaved forest) is indicated, without any geographical data. So, we do not provide this location in the checklist.

Family: Otocepheidae Balogh, 1961

***Otocepheus longior* (Berlese, 1905)**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Oriental – Java Island, in botanical garden the species is probably introduced.

Ecology. Forest soils

***Dolicheremaeus montanus* Krivolutski, 1971**

Distribution in Georgia. W: Batumi Botanical Garden, Mtirala National Park (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Humid forest soils

Superfamily: Oppioidea Grandjean, 1951

Family: Autognetidae Grandjean, 1960

***Autogmeta longilamellata* (Michael, 1885)**

Syn.: *Oppia longilamellata* (Michael, 1885) *sensu* Darejanashvili 1967, Djaparidze 1974

Distribution in Georgia. W: Ritsa Reserve, Musera, Tskaltubo, Kvabiskhevi Reserve (Murvanidze & Mumladze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Autogneta parva* Forsslund, 1947**

Distribution in Georgia. W: Ritsa Reserve, Musera (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Coniferous forest soils

Remark. In the Catalogue, the records in Borjomi gorge and Manglisi are indicated based on the manuscripts of Darejanashvili (1967), Djaparidze (1974) and the Summary of the PhD thesis of Darejanashvili (1976). We have reexamined these manuscripts and found no record of *A. parva* for Borjomi gorge. In the summary also no exact location of *A. parva* was found. So, we did not include these locations in the list.

***Conchogneta dalecarlica* (Forsslund, 1947)**

Distribution in Georgia. W: Widespread with low abundance (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Conchogneta traegardhi* (Forsslund, 1947)**

Distribution in Georgia. W: widely distributed; E: Ananuri, Algethy Reserve (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

Family: Epimerellidae Ayyildiz & Luxton, 1989

***Epimerella smirnovi* (Kulijev, 1962)**

Distribution in Georgia. E: Tbilisi*, Kvemo Kedi*, Kvareli* and Gremi*.

Global distribution. Palaearctic

Ecology. Dry meadows and urban soils

Remark. In the Catalogue Batumi and Eastern Georgia are indicated as locations for this species. As mentioned in the introduction, “Eastern Georgia” is a geographical unit too large for being regarded as a sampling point. The Batumi location is based on Bulanova-Zachvatkina (1970), but the species is therein listed only in the Mediterranean region.

Family: Machuellidae Balogh, 1983

***Machuella draconis* Hammer, 1961**

Distribution in Georgia. W: Ritsa Reserve, Anaklia, Dzudzuana cave, Orpiri cave (Murvanidze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils, caves

***Machuella ventrisetosa* Hammer, 1961**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Tropical

Ecology. Forest soils

Family: Oppiidae Grandjean, 1954

***Abchasiella dentata* Gordeeva & Tarba, 1990**

Distribution in Georgia. W: Sakeni (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Alpine meadows

***Anomaloppia mazandaranica* Akrami & Subías, 2007**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Iran and Caucasus

Ecology. Forest soils

***Anomaloppia ozkani* Ayyildiz, 1989**

Distribution in Georgia. W: Bzyb; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Berniniella bicarinata* (Paoli, 1908)**

Syn.: *Oppia bicarinata* (Paoli, 1908) *sensu* Djaparidze 1974, Krivolutsky & Tarba 1972, Tarba 1974, 1976

Distribution in Georgia. W: Ritsa Reserve, Musera, Sokhumi, Zagori pass*, Oni*, Shaori reservoir*, Mamisoni pass*, Anaklia, Kintrishi Reserve, Darkveti, Itkhvisi, Kvabiskhevi Reserve, Tavkvetila Mountain (Murvanidze *et al.* 2013; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Berniniella conjuncta* (Strenzke, 1951)**

Distribution in Georgia. W: Kintrishi Reserve, Tsaghveri (Shtanchaeva & Subías), Orpiri and Ghliana caves (Murvanidze 2014); E: Gombori range (Arabuli *et al.* 2004).

Global distribution. European

Ecology. Forest soils

Remark. The record in Ritsa Reserve is indicated in the Catalogue after Tarba 1976. After reexamination of this paper we did not find this species listed and removed this location from the list.

***Berniniella exempta* (Mihelčič, 1958)**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010); E: Tavkvetila Mountain (Arabuli G. *et al.* 2008)

Global distribution. European

Ecology. Forest soils

***Berniniella inornata* (Mihelčič, 1957)**

Distribution in Georgia. E: Tavkvetila Mountain (Arabuli G. *et al.* 2008)

Global distribution. European

Ecology. Coniferous forest soils

***Berniniella jahnae* (Sellnick, 1961)**

Syn.: *Oppia jahnae* (Sellnick, 1961) *sensu* Darejanashvili 1967, Djaparidze 1974

Distribution in Georgia. W: Batumi Botanical Garden, Tsemi (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Berniniella sakeni* Gordeeva & Tarba, 1990**

Distribution in Georgia. W: Sakeni (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Berniniella serratirostris* (Golosova, 1970)**

Distribution in Georgia. E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Berniniella sigma* (Strenzke, 1951)**

Syn.: *Oppia sigma* Strenzke, 1951 *sensu* Tarba 1976

Distribution in Georgia. W: Ritsa Reserve, Borjomi gorge; Aspindza, Tavkvetila Mountain; E: Tbilisi, Norio (Arabuli G. *et al.* 2008; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Berniniella silvatica* (Vasiliu & Calugar, 1976)**

Distribution in Georgia. W: Becho, Parto Tskali Lake, Darkveti, Dzudzuana cave, Kvabiskhevi Reserve; E: Sioni, Algety Reserve (Djaparidze 1985; Murvanidze *et al.* 2013; Murvanidze 2014; Murvanidze & Mumladze 2014)

Global distribution. European

Ecology. Forest and meadow soils

***Discoppia cylindrica* (Perez-Inigo, 1965)**

Distribution in Georgia. W: Musera; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Dissorhina ornata* (Oudemans, 1900)**

Syn.: *Oppia ornata* (Oudemans, 1900) *sensu* Djaparidze 1974, Krivolutsky & Tarba 1972

Distribution in Georgia. W: widely distributed, common; E: Tsodreti, Tbilisi, Algethy Reserve, Lagodekhi Reserve (Murvanidze *et al.* 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Humid forest soils, rare in meadows

***Dissorhina signata* (Schwalbe, 1989)**

Distribution in Georgia. W: Mtirala National Park, Dzudzuana cave; E: Kazreti* (Murvanidze 2014; Murvanidze *et al.* 2015)

Global distribution. European

Ecology. Cave floor in the dark zone, forest soil

***Graptoppia foveolata* (Paoli, 1908)**

Distribution in Georgia. W: Kolkheti National Park, Orlovka, Efremovka; E: Tbilisi, Dedoplistskaro, Gardabani (Murvanidze & Todria 2015)

Global distribution. Holarctic

Ecology. Forest and meadow soils

***Kulievia paradeciens* (Kulijev, 1962)**

Distribution in Georgia. W: Musera, Sakeni (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Forest soils

***Lasiobelba pori* Vasiliu, 1995**

Distribution in Georgia. E: Kavtiskhevi (Murvanidze & Todria 2015)

Global distribution. Ethiopian and Palaeartic regions, Hawai (Ermilov *et al.* 2014)

Ecology. Meadow soils

***Micropoppia arcuata* Gordeeva & Tarba, 1990**

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soil

***Micropoppia minus* (Paoli, 1908)**

Syn.: *Oppia minus* (Paoli, 1908) *sensu* Darejanashvili 1974 and Tarba 1976

Distribution in Georgia. W: Ritsa Reserve, Musera, Pitsunda, Sokhumi, Orlovka, Tavkvetila Mountain, Borjomi gorge; E: Dmanisi, Kobi, Gergeti, Tsodoreti, Tbilisi, Mariamjvari Reserve, Dedoplistskaro, Gardabani, Chiauri forest (Murvanidze *et al.* 2013, 2015; Murvanidze & Mumladze 2014; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. All types of habitats

***Multioppia carpatica* Schalk, 1966**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Multioppia laniseta* Moritz, 1966**

Distribution in Georgia. E: Tbilisi*

Global distribution. Palaeartic

Ecology. Urban and forest soils

***Mystroppia sellnicki* Balogh, 1959**

Distribution in Georgia. E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Neoamerioppia abchasica* (Golosova & Tarba, 1974) *sensu* Golosova & Tarba, 1974**

Syn.: *Oppia abchasica* Tarba, 1974 *sensu* Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000

Distribution in Georgia. W: Musera, Ochamchire, Anaklia, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Oppia denticulata* (R. & G. Canestrini, 1882)**

Distribution in Georgia. W: Sokhumi, Ipari, Imnati, Letsurtsume cave, Orpiri cave, Ghliana cave, Sakire cave (Murvanidze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaeartic

Ecology. Humid forest soils

Remark. In the Catalogue, the presence of this species in Eastern Georgia is based on Darejanashvili (1987; publication date is incorrectly cited in Catalogue as 1975) and Trialeti range after publications of Darejanashvili (2000), Darejanashvili & Gurgenidze (2004) and Djaparidze (1966). However, Darejanashvili (1987) did not provide exact geographical location and other mentioned papers do not include information on *O. denticulata*. So we do not include these locations in the list.

***Oppia nitens* C.L. Koch, 1836**

Distribution in Georgia. W: Sokhumi, Kolkheti National Park, Ajara region, Khreiti, Darkveti, Dzudzuana cave, Sakajia cave, Nagarevi grotto, Sataplia Reserve; E: Tserovani, Kavtiskhevi, Kazreti (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Wet to humid forest soils, bogs and wetlands

***Oppiella (Oppiella) acuminata* (Strenzke, 1951)**

Distribution in Georgia. W: Kintrishi Reserve, Mtirala National Park, Machakhela gorge, Tavkvetila mnt, Tskhratskaro; E: Shatili, Datvijvari pass, Kaspi (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Oppiella (Oppiella) marginedentata* (Strenzke, 1951)**

Distribution in Georgia. W: Mtirala National Park (Murvanidze *et al.* 2015)

Global distribution. Palaearctic

Ecology. Forest soils

***Oppiella (O.) maritima* (Willmann, 1928)**

Distribution in Georgia. W: Ritsa-Anadkhara Reserve, Mtirala National Park (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Oppiella (O.) nova* (Oudemans, 1902)**

Syn.: *Oppia nova* (Oudemans, 1902) *sensu* Djaparidze 1974, Tarba 1974, 1976

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. All types of habitats

***Oppiella (O.) primorica* (Golosova, 1969)**

Distribution in Georgia. W: Avadkhara, Bzyb; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Oppiella (Lauropia) doris* (E. Pérez-Iñigo, 1978)**

Distribution in Georgia. W: Avadkhara (Shtanchaeva & Subías 2010)

Global distribution. Southern Palaearctic

Ecology. Forest soils

***Oppiella (L.) tenuipectinata* Subías & Rodríguez, 1988**

Distribution in Georgia. W: Ritsa-Avadkhara Reserve, Bzyb, Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Oppiella (Moritzoppia) keilbachi* (Moritz, 1969)**

Distribution in Georgia. W: Ritsa-Anadkhara Reserve; E: Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Oppiella (M.) neerlandica* (Oudemans, 1900)**

Syn.: *Oppia neerlandica* (Oudemans, 1900) *sensu* Darejanashvili 1967, Darejanashvili & Gurgeniidze 2004, Djaparidze 1974

Distribution in Georgia. W: Musera, Kolkheti National Park, Kintrishi Reserve, Darkveti, Borjomi gorge (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Wet to humid forest and meadow soils, wetlands

***Oppiella (M.) tridentata* (Forsslund, 1942)**

Distribution in Georgia. W: Bzyb; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Oppiella (M.) unicarinata* (Paoli, 1908)**

Syn.: *Oppia unicarinata* Paoli, 1908 *sensu* Djaparidze 1963

Distribution in Georgia. W: Tetnuldi Mountain,* Musera, Sokhumi, Kolkheti National Park, Mtirala National Park, Mukhura, Itkhvisi, Kvabiskhevi Reserve; E: Omalo, Batsara-Babaneuri Reserve, Tedzami gorge, Algethy Reserve, Tetritskaro, Turdo, Vashlovani Reserve (Murvanidze & Mumladze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Wide range of habitats from bogs to arid woodlands

***Oppiella (Perspicuoppia) minidentata* (Subías, 1977)**

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Oppiella (Rhinoppia) bipectinata* Akrami & Subías, 2007**

Distribution in Georgia. W: Bzyb, Ochamchire, Batumi Botanical Garden, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Oppiella (R.) bulanovae* (Kulijev, 1962)**

Distribution in Georgia. W: Bzyb, New Aphon, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Oppiella (R.) fallax* (Paoli, 1908)**

Syn.: *Oppia fallax* (Paoli, 1908) *sensu* Darejanashvili 1967, Djaparidze 1974

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. All types of habitats, abundant in urban soils

***Oppiella (R.) nasuta* (Moritz, 1965)**

Distribution in Georgia. W: Kolkheti National Park, Bako Mountain; E: vil. Turdo, Mariamjvari Reserve (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Oppiella (R.) obsoleta* (Paoli, 1908)**

Distribution in Georgia. W: Bzyb, Ritsa Reserve, Musera, Batumi Botanical Garden, Urta Mountain, Anaklia; E: Omalo, Sioni, Algethy Reserve, Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Oppiella (R.) similifallax* (Subías & Minguéz, 1986)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011; 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. All types of habitats

***Oppiella (R.) subpectinata* (Oudemans, 1900)**

Syn.: *Oppia subpectinata* (Oudemans, 1900) *sensu* Djaparidze 1966, 1974

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Oppiella (R.) hygrophila* (Mahunka, 1987)**

Distribution in Georgia. W: Chorokhi gorge, Aspindza, Efremovka; E: Kobi, Gudauri, Jvari pass, Tbilisi, Tetrtskaro, Algethy Reserve, Mariamjvari Reserve, Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. All types of habitats

***Oppiella (R.) vera* (Mihelčič, 1956)**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Oxyoppia (Dzarogneta) dubia* (Kulijev, 1966)**

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Oxyoppioides decipiens* (Paoli, 1908)**

Syn.: *Oppia decipiens* (Paoli, 1908) *sensu* Karppinen *et al.* 1987, Krivolutsky & Tarba 1972

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils, frequent in caves

***Ramusella clavipectinata* (Michael, 1885)**

Syn.: *Oppia clavipectinata* (Michael, 1885) *sensu* Djaparidze 1963, 1966, 1974

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. All types of habitats

***Ramusella insculpta* (Paoli, 1908)**

Syn.: *Oppia insculpta* Paoli, 1908 *sensu* Tarba 1974, 1976

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

***Ramusella mihelcici* (Perez-Inigo, 1965)**

Syn.: *Oppia mihelcici* Perez-Inigo, 1965 *sensu* Krivolutsky & Tarba 1972, Tarba 1974, 1976

Distribution in Georgia. W: Chinati, Imnati, Mtirala National Park; E: Askilauri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Striatoppia weigmannii* Murvanidze & Behan-Pelletier, 2011**

Distribution in Georgia. E: Tbilisi (Murvanidze & Behan-Pelletier, 2011)

Global distribution. Caucasus

Ecology. Arid woodlands and shrubs

***Subiasella quadrimaculata* (Ewans, 1952)**

Distribution in Georgia. W: Ritsa-Anadkhara Reserve, Musera (Shtanchaeva & Subías 2010); E: Kazreti*

Global distribution. Palaearctic

Ecology. Humid forest soils

Family: Quadroppiidae Balogh, 1983

***Coronoquadroppia abchastica* (Gordeeva & Tarba, 1990)**

Syn.: *Quadroppia abchastica* Gordeeva & Tarba, 1990 *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. W: Ritsa-Anadkhara Reserve, Musera (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

Remark. In the Catalogue *Coronoquadroppia* is placed as a subgenus of *Quadroppia*. This placement is maintained in the world checklist of Subías (2004, electronically updated in 2015). Based on an SEM analysis of the rostral structure, Weigmann and Schatz (2015) proved this structure being distinct in all representatives of the genus and regard it as an important character to justify separation of the genus *Coronoquadroppia*, following Ohkubo (1995).

***Coronoquadroppia media* (Gordeeva, 1983)**

Syn.: *Quadroppia media* Gordeeva, 1983 *sensu* Karppinen *et al.* 1987, Murvanidze & Mumladze 2014, Shtanchaeva & Subías 2010; *Quadroppia (Coronoquadroppia) media* Gordeeva, 1983 *sensu* Murvanidze 2014

Distribution in Georgia. W: Ritsa Reserve, Banguriani, Mtirala National Park, Darkveti, Itkhvisi, Sairme, Borjomi gorge; E: Tbilisi, Kazreti (Murvanidze *et al.* 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Coronoquadroppia michaeli* (Mahunka, 1977)**

Syn.: *Quadroppia michaeli* Mahunka, 1977 *sensu* Murvanidze *et al.* 2008

Distribution in Georgia. W: Kolkheti National Park, Kintrishi Reserve, Racha range, Tsaghveri; E: Khevsha, Tbilisi, Algethy Reserve, Gombori range (Shtanchaeva & Subías 2010).

Global distribution. Palaearctic

Ecology. Forest soils

***Coronoquadropia nana* (Gordeeva, 1983)**

Syn.: *Quadropia nana* Gordeeva, 1983 *sensu* Karppinen *et al.* 1987, Shtanchaeva & Subías 2010

Distribution in Georgia. W: Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Coronoquadropia nasalis* (Gordeeva, 1983)**

Syn.: *Quadropia nasalis* Gordeeva, 1983 *sensu* Karppinen *et al.* 1987, Shtanchaeva & Subías 2010

Distribution in Georgia. W: Gumista (Shtanchaeva & Subías 2010)

Global distribution. Eastern Mediterranean

Ecology. Forest soils

***Quadropia hammerae* Minguez, Ruiz & Subías, 1985**

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia (Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Forest soils

***Quadropia quadricarinata* (Michael, 1885)**

Syn.: *Oppia quadricarinata* (Michael, 1885) *sensu* Darejanashvili 1967, Djaparidze, 1974

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

Family: Thyrisomidae Grandjean, 1953

***Banksinoma lanceolata* (Michael, 1885)**

Distribution in Georgia. W: Musera, New Aphon, Kolkheti National Park, Kintrishi Reserve, Mtirala National Park, vil. Daba (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Wet to humid forest soils, wetlands

***Oribella pectinata* (Michael, 1885)**

Distribution in Georgia. W: Sairme (Mumladze *et al.* 2015)

Global distribution. Holarctic

Ecology. Forest soils

***Pantelozetes alpestris* (Willmann, 1929)**

Distribution in Georgia. W: Navenakhevi, Letsurtsume, Satsurbliia and Chakhati caves (Murvanidze 2014)

Global distribution. Holarctic

Ecology. Moss, cave soil and guano

Remark. According to Subías (2004, electronically updated in 2015), this species belongs to the genus *Montizetes* Kunst, 1971. Weigmann (2006) discussed the diagnostic characters of *Pantelozetes* Grandjean, 1953 and gave strong argumentation to regard *Montizetes* as a junior synonym of *Pantelozetes*. Weigmann (2006) registered *P. alpestris* as a moss dwelling species in European mountain regions; we have found it abundant in twilight and dark zones of several karst caves of Georgia, on the cave floor and in bat guano.

***Pantelozetes paolii* (Oudemans, 1913)**

Distribution in Georgia. W: Tetnuldi Mountain*, Kolkheti National Park; E: Tavkvetila Mountain, Gudauri, Kazreti* (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Wet to humid forest soils, alpine meadows

Superfamily: Trizetoidea Ewing, 1917

Family: Suctobelbidae Jacot, 1938

***Suctobelba alvateri* Moritz, 1970**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Suctobelba atomaria* Moritz, 1970**

Distribution in Georgia. W: Ritsa Reserve, Kintrishi Reserve, Mtirala National Park, Sairme, Borjomi gorge (Murvanidze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Suctobelba flagelliseta* Shtanchaeva & Subías, 2009**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Suctobelba granulata* Hammer, 1952**

Distribution in Georgia. W: Anaklia, Kintrishi Reserve, Mghvimevi, Darkveti, Sairme, Kvabiskhevi Reserve; E: Tbilisi (Murvanidze *et al.* 2013; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Suctobelba lapidaria* Moritz, 1970**

Distribution in Georgia. W: Ritsa Reserve, Bzyb, Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Suctobelba longicuspis* (Jacot, 1937)**

Distribution in Georgia. W: Mtirala National Park*

Global distribution. Semicosmopolitan

Ecology. Forest soils

***Suctobelba sorrentensis* Hammer, 1961**

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Suctobelba trigona* (Michael, 1888)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Anaklia, Kintrishi Reserve, Tskaltubo, Sairme, Itkhvisi; E: Tavkvetila Mountain, Algethy Reserve, Gombori range, Lagodekhi Reserve (Mumladze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Suctobelbella acutidens* (Forsslund, 1941)**

Distribution in Georgia. W: Ritsa Reserve, Kintrishi Reserve, Darkveti (Murvanidze *et al.* 2013; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats with preference of forest soils

***Suctobelbella ancorhina* Chinone, 2003**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Suctobelbella baloghi* (Forsslund, 1958)**

Distribution in Georgia. W: Anaklia, Kintrishi Reserve, Mtirala National Park (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Suctobelbella carcharodon* Moritz, 1966**

Distribution in Georgia. W: Bzyb, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Dry forest soils

***Suctobelbella diversisetosa arilloi* Shtanchaeva & Subías, 2009**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Suctobelbella duplex* (Strenzke, 1950)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011; Murvanidze & Mumladze 2014; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest and meadow soils

***Suctobelbella falcata* (Forsslund, 1941)**

Distribution in Georgia. W: Chakvistskali gorge; E: Tavkvetila Mountain (Shtanchaeva & Subías 2010), Kazreti*

Global distribution. Semicosmopolitan

Ecology. Forest and swamp soils

***Suctobelbella flagellifera* Chinone, 2003**

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest and meadow soils

***Suctobelbella forsslundi* (Strenzke, 1950)**

Distribution in Georgia. W: Sokhumi, Kolkheti National Park, Kintrishi Reserve, Mtirala National Park, Darkveti, Sairme, Borjomi gorge (Mumladze *et al.* 2015; Murvanidze *et al.* 2011, 2013, 2015; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats with preference of forest soils

***Suctobelbella granifera* Chinone, 2003**

Distribution in Georgia. E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Suctobelbella latirostris* (Strenzke, 1950)**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Forest and swamp soils

***Suctobelbella liacariformis* Shtanchaeva & Subías, 2009**

Distribution in Georgia. W: Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Suctobelbella multiplumosa* (Hammer, 1979)**

Distribution in Georgia. W: Ochamchire, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Unclear

***Suctobelbella nana* Shtanchaeva & Subías, 2009**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Suctobelbella nasalis* (Forsslund, 1941)**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Forest soils

***Suctobelbella perforata* (Strenzke, 1950)**

Distribution in Georgia. W: Musera (Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Forest soils

***Suctobelbella sarekensis* Forsslund, 1941**

Distribution in Georgia. E: Tavkvetila Mountain, Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Suctobelbella sensillinuda* Shtanchaeva & Subías, 2009**

Distribution in Georgia. E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Suctobelbella subcornigera* (Forsslund, 1941)**

Distribution in Georgia. Whole country (Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. All types of habitats

***Suctobelbella subtrigona* (Oudemans, 1916)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Suctobelbella tuberculata* Strenzke, 1950**

Distribution in Georgia. W: Sairme (Mumladze *et al.* 2015)

Global distribution. Palaearctic

Ecology. All types of habitats

***Rhynchobelba inexpectata* Willmann, 1953**

Distribution in Georgia. W: Kintrishi Reserve, vil. Phurtio, Darkveti (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

Superfamily: Tectocepheoidea Grandjean, 1954

Family: Tectocepheidae Grandjean, 1954

***Tectocepheus alatus* Berlese, 1913**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Meadow soils

***Tectocepheus minor* (Berlese, 1903)**

Distribution in Georgia. W: Ritsa Reserve, Ochamchire (Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. All types of habitats

***Tectocepheus punctulatus* Djaparidze, 1985**

Distribution in Georgia. Whole country (Murvanidze & Mumladze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus and eastern Asia

Ecology. All types of habitats

***Tectocepheus velatus* (Michael, 1880)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. cosmopolitan

Ecology. All types of habitats

Superfamily: Limnozetoidea Thor, 1937

Family: Hydrozetidae Grandjean, 1954

***Hydrozetes lacustris f. parisiensis* (Michael, 1882)**

Distribution in Georgia. W: Kolkheti National Park – Nabada Lake (Murvanidze *et al.* 2011; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Water plants, freshwater reservoirs

Superfamily: Cymbaeremaeoidea Sellnick, 1928

Family: Cymbaeremaeidae Sellnick, 1928

***Cymbaeremaeus cymba* (Nicolet, 1855)**

Distribution in Georgia. Whole country (Murvanidze & Mumladze 2014; Murvanidze & Todria 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats, often on tree bark and canopy

***Scapheremaeus palustris* Sellnick, 1924**

Distribution in Georgia. E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Humid moss and forest soils, frequent on tree trunks

Superfamily: Licneremaeoidea Grandjean, 1931

Family: Charassobatidae Grandjean, 1958

Syn.: Nosybeidae *sensu* Shtanchaeva & Subías 2010

***Lamellocephus personatus* Berlese, 1910**

Syn.: *Lamellocephus ambitius* Kulijev, 1966 *sensu* Karppinen *et al.* 1987

Distribution in Georgia. W: Chorokhi gorge, Kintrishi Reserve; E: Algethy Reserve (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest litter

Family: Licneremaeidae Grandjean, 1931

***Licneremaeus lincophorus* (Michael, 1882)**

Distribution in Georgia. W: Ritsa Reserve, Musera; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Moss, tree bark

***Licneremaeus novus* Karppinen & Shtanchaeva, 1987**

Distribution in Georgia. W: Ritsa Reserve, Saken (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Licneremaeus prodigiosus* Schuster, 1958**

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia Reserve; E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Family: Micreremaeidae Grandjean, 1954

***Micreremus brevipes* (Michael, 1888)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Batumi Botanical Garden, Mtirala National Park, Kvatia village, Sataplia Reserve; E: Algethy Reserve (Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils, tree trunks and canopy

Family: Passalozetidae Grandjean, 1954

***Passalozetes africanus* Grandjean, 1932**

Distribution in Georgia. E: Tbilisi, Gardabani (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Dry meadow soil

***Passalozetes perforatus* (Berlese, 1910)**

Distribution in Georgia. E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Dry meadow soil, dunes, salty shores.

***Passalozetes sabulosus* (Shtanchaeva, 1986)**

Distribution in Georgia. E: Vashlovani Reserve (Barjadze & Murvanidze 2016)

Global distribution. Caucasus

Ecology. Dry soils

Family: Scutoverticidae Grandjean, 1954

***Hypovortex mirabilis* Krivolutsky, 1969**

Distribution in Georgia. W: Borjomi gorge (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soil

***Scutovertex armazi* Murvanidze & Weigmann, 2012**

Distribution in Georgia. E: Mtskheta (Murvanidze & Weigmann 2012)

Global distribution. Caucasus

Ecology. Arid forest soils

***Scutovertex minutus* (C.L. Koch, 1836)**

Distribution in Georgia. E: Dmanisi, Kajiri Mountain, Kavtiskhevi (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Dry soils

***Scutovertex sculptus* Michael, 1879**

Distribution in Georgia. W: Darkveti, Itkhvisi, Borjomi gorge; E: Tbilisi (Murvanidze *et al.* 2013; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Dry meadows and ruderal sites

***Scutovertex serratus* Sitnikova, 1974**

Distribution in Georgia. W: Churia; E: Staphantsminda, Lagodekhi Reserve (Murvanidze *et al.* 2011; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. We have found the species in sandy dunes, in alpine meadows and forests, but rarely.

Superfamily: Phenopeloidea Petrunkevich, 1955

Family: Phenopelopidae Petrunkevich, 1955

***Eupelops acromios* (Hermann, 1804)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

***Eupelops curtipilus* (Berlese, 1916)**

Syn.: *Eupelops bilobus* Sellnick, 1928 *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000

Distribution in Georgia. W: Ritsa Reserve, Zagori Pass, Chorokhi gorge, Machakhela gorge, Maltakva, Tsaghveri; E: Dmanisi, Tbilisi, Martkopi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest and meadow soils

***Eupelops geminus* (Berlese, 1916)**

Distribution in Georgia. W: Ritsa Reserve; E: Martkopi (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Eupelops occultus* (C.L. Koch, 1835)**

Distribution in Georgia. W: Bzyb, Zagori Pass, Kolkheti National Park; E: Dariali gorge, Datvijvari Pass, Tbilisi, Algethy Reserve, Gombori range, David Gareji, Lagodekhi Reserve (Murvanidze *et al.* 2011; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of soil habitats from dry steppes to wet forests and high altitude alpine meadows

***Eupelops plicatus* (C.L. Koch, 1835)**

Distribution in Georgia. W: Itkhvisi, Kvabiskhevi Reserve; E: Tavkvetila Mountain, Omalo, Sioni, Tsodreti, Tetrtskaro, Algethy Reserve, Gombori range (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Eupelops tardus* (C.L. Koch, 1835)**

Distribution in Georgia. W: Tetnuldi Mountain,* Ritsa Reserve, Musera, Kala, Ateni gorge; E: Khashuri, Dmanisi, Sioni, Algethy Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils and alpine meadows

***Eupelops torulosus* (C.L. Koch, 1839)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013; Murvanidze 2014; Murvanidze & Mumladze, 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

***Peloptulus gibbus* Mihelcic, 1957**

Distribution in Georgia. W: Bzyb, Avadkhara (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Peloptulus phaenotus* (C.L. Koch, 1844)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

Superfamily: Achipterioidea Thor, 1929

Family: Achipteriidae Thor, 1929

***Achipteria coleoptrata* (Linnaeus, 1746)**

Distribution in Georgia. W: Ritsa Reserve, Ochamchire, Kolkheti National Park, Kintrishi Reserve, Machakhela gorge, Kutaisi, Mtashava Mountain, Itkhvisi; E: Batsara-Babaneuri Reserve, Algethy Reserve (Murvanidze *et al.* 2011; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Achipteria italica* (Oudemans, 1913)**

Distribution in Georgia. W: Ritsa Reserve, Sokhumi; E: Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Achipteria longisetosa* Weigmann & Murvanidze, 2003**

Distribution in Georgia. W: Kolkheti National Park, Mtirala National Park, Tskaltubo (Murvanidze 2014; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid to wet forest soils, frequent in caves

***Achipteria nitens* (Nicolet, 1855)**

Distribution in Georgia. Whole country (Murvanidze & Mumladze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Achipteria preoccupata* Subías, 2004**

Distribution in Georgia. W: Abkhazia; E: Lagodekhi (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Achipteria sellnicki* Hammen, 1952**

Distribution in Georgia. E: Manglisi (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Forest soils

***Parachipteria fanzagoi* (Jacot, 1929)**

Syn.: *Parachipteria nicoleti* (Berlese, 1883) *sensu* Murvanidze & Weigmann (2003); *Parachipteria willmanni* (van der Hammen, 1952) *sensu* Djaparidze 1974, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000, Murvanidze & Kvavadze 2009

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015 Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest moss, litter and soils

Remark. Shtanchaeva and Subías (2010) report this species as *Campachipteria fanzagoi*, however, as explained in the remark for *P. georgica*, representatives of *Campachipteria* are monodactylous (Aoki 1995) and *P. fanzagoi* has tridactylous legs.

***Parachipteria georgica* Murvanidze & Weigmann, 2003**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

Remark. In the world checklist, Subías (2004, electronically updated in 2006) placed *P. georgica* in *Campachipteria* (Aoki, 1995). We do not agree with this placement since (1) *P. georgica* has tridactylous legs vs monodactylous in *Campachipteria* (Aoki 1995) and (2) genu IV of *P. georgica* is not bent vs bent in *Campachipteria* (Aoki 1995). In the updated checklist of 2015, Subías listed *P. georgica* as a junior synonym of *C. patavina* (Oudemans, 1914) without presenting arguments. We do not agree with his statement for the following reasons: 1) all area porosae of *P. georgica* are distinct and relatively large, round-oval (Fig. 3A), while those of *C. patavina* are small (see description in the keys of Ghilarov & Krivolutsky, 1975; Fig. 3B); 2) sensilli of *C. georgica* are long, with rounded head (Fig. 3A) and sensilli of *P. patavina* are short, broad and distally cut (Fig. 3B, 4A, 4B) (Dubinina *et al.* 1966; Ghilarov & Krivolutsky 1975; Oudemans 1914); 3) in the description of Dubinina *et al.* (1966) tutoria of *P. patavina* are indicated as triangular, short and with very short, cut tips (Figs. 5A), whereas *P. georgica* has long, free tutorial tips (Fig. 5B) that nearly reach each other (Murvanidze & Weigmann 2003). Based on the above mentioned differences, we consider *P. georgica* as a valid species.

***Parachipteria punctata* (Nicolet, 1855)**

Syn.: *Notaspis punctatus* (Nicolet, 1855) *sensu* Djaparidze 1963, 1966

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

Family: Tegoribatidae Grandjean, 1954

***Lepidozetes singularis* Berlese, 1910**

Distribution in Georgia. W: Ritsa Reserve, Saken; E: Saguramo (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils, frequent on trees; mosses

Remark. In the Catalogue presence of this species in “Upper Kartli, Delisi” is indicated based on the checklist of Djaparidze (1974) where no exact geographic data are provided. Therefore, we did not include this location in the checklist

***Tectoribates ornatus* (Schuster, 1958)**

Distribution in Georgia. E: Tbilisi*, Norio*, Gardabani (Murvanidze & Todria 2015)

Global distribution. Palaearctic

Ecology. Dry meadow and forest soils

***Tegoribates latirostris* (C.L. Koch, 1844)**

Distribution in Georgia. W: Zagori Pass*, Kintrishi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Scutozetes lanceolatus* Hammer, 1952**

Distribution in Georgia. W: Zagori Pass*, Kala village*, Ipari village*, Ughviri Pass*, Borjomi gorge, Algethy Reserve (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

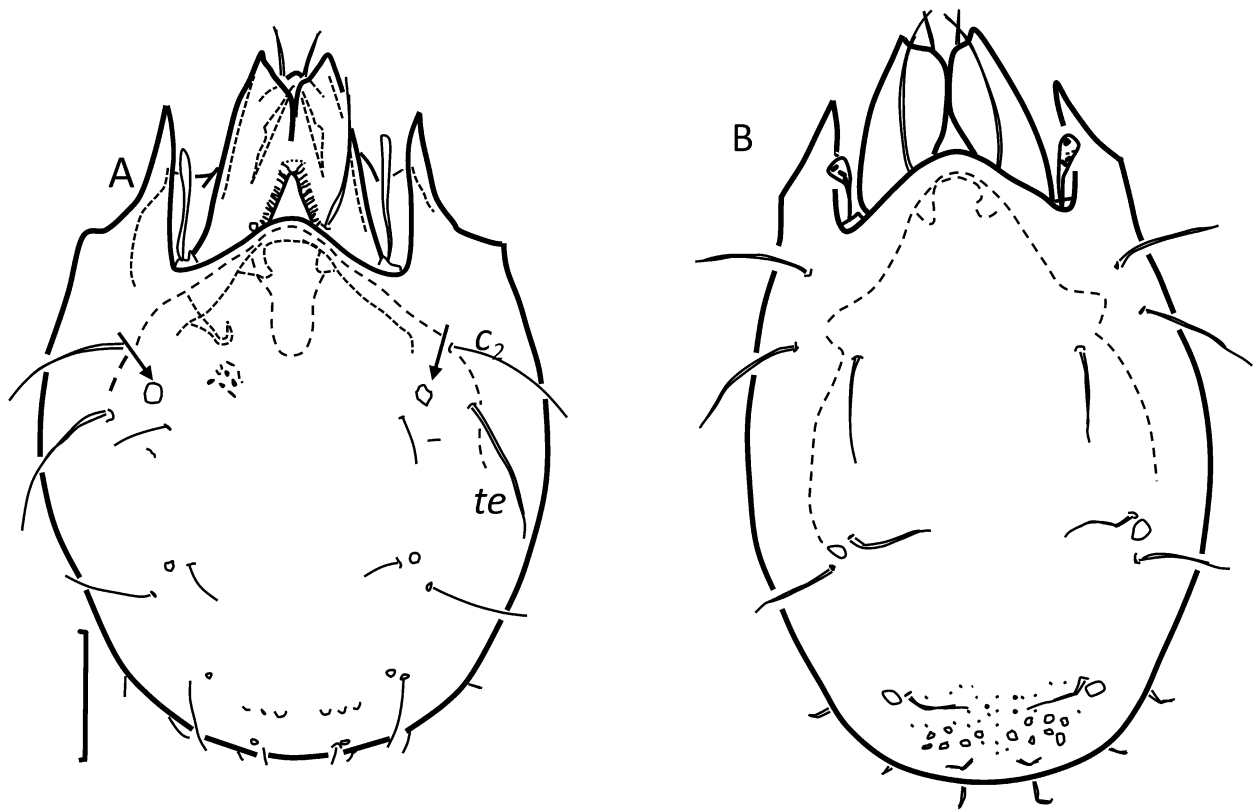


Figure 3. *Prachipteria A-georgica* Murvanidze & Weigmann, 2003, dorsal view (redrawing after Murvanidze & Weigmann, 2003); B –*patavina* (Oudemans, 1914), dorsal view (redrawing after Ghilarov & Krivolutsky, 1975, not to scale)

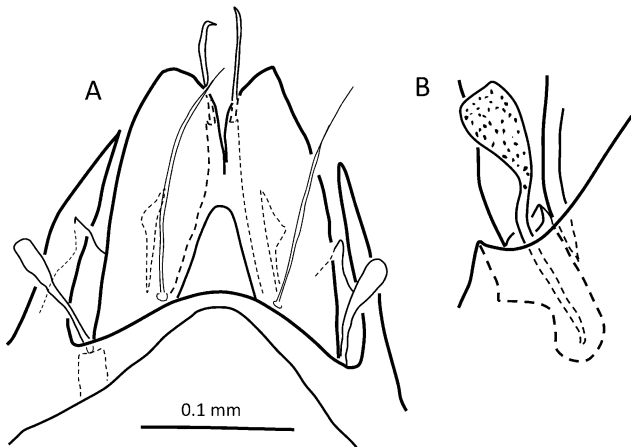


Figure 4. *Parachipteria patavina*, senillus, A- redrawing after Dubinina et al. 1966; B - redrawing after Ghilarov & Krivolutsky, 1975 (not to scale)

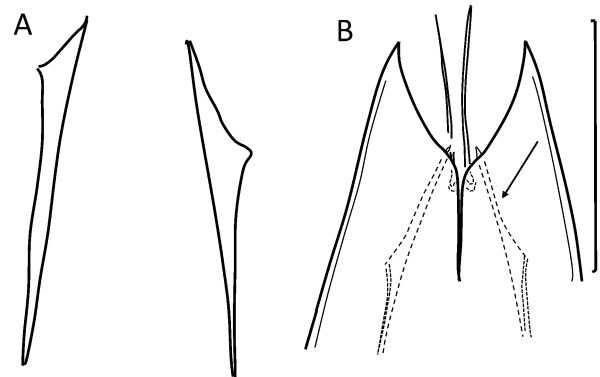


Figure 5. Tutorium of A – *P. patavina*, (redrawing after Dubinina et al., 1966, not to scale); B – *P. georgica* (redrawing after Murvanidze & Weigmann, 2003)

***Umbellozetes fuscus* Krivolutsky, 1969**

Distribution in Georgia. W: Tetnaldi Mountain* E: Stepantsminda, Shenako, Omalo, Sioni, Didgori, Algethy Reserve, Gombori range, Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Mountain forests and meadows.

Superfamily: Oribatelloidea Jacot, 1925

Family: Oribatellidae Jacot, 1925

***Ferolocella cribraria* (Kulijev, 1977)**

Syn.: *Oribatella sitnikovae* Djaparidze, 1989

Distribution in Georgia. W: Banguriani, Becho, Mtirala National Park (Djaparidze 1989; Murvanidze *et al.* 2015)

Global distribution. Caucasus

Ecology. Forest soils

***Oribatella angulosa* Csiszar, 1962**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Oribatella berlesei* (Michael, 1898)**

Distribution in Georgia. whole country (Murvanidze *et al.* 2013; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Oribatella bulanovae* Kulijev, 1967**

Distribution in Georgia. W: Musera, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Oribatella calcarata* (C.L. Koch, 1835)**

Distribution in Georgia. (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils and canopy

***Oribatella colchica* Krivolutsky, 1974**

Distribution in Georgia. W: Banguriani, Kintrishi Reserve, Mtirala National Park, Tskaltubo, Itkhvisi, Sairme, Kvabiskhevi Reserve; E: Tbilisi (Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Wet to humid forest soils

***Oribatella foliata* Krivolutsky, 1974**

Distribution in Georgia. W: Ritsa Reserve, Sakeni, Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Oribatella heterodentata* Karppinen & Shtanchaeva, 1987**

Distribution in Georgia. W: Sakeni (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Oribatella nigra* Kulijev, 1967**

Distribution in Georgia. W: Ritsa Reserve, Musera, Beshumi, Kolkheti National Park, Kintrishi Reserve, Mtirala National Park, Sataplia Reserve, Itkhvisi, Sairme, Tsaghveri; E: Kojori, Norio, Lagodekhi Reserve (Mumladze *et al.* 2015; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid forest soils

***Oribatella ornata* (Coggi, 1900)**

Distribution in Georgia. W: Mtirala National Park (Murvanidze *et al.* 2015)

Global distribution. Palaearctic

Ecology. Forest soils

***Oribatella superbula* (Berlese, 1904)**

Syn.: *Oribatella meridionalis* Berlese, 1908 *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000

Distribution in Georgia. E: Tbilisi, Algethy Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Remark. In the Catalogue (Shtanchaeva & Subías 2010) the presence of *O. meridionalis* Berlese, 1908 is registered for Tbilisi. This species is known as a junior synonym of *O. superbula* (Weigmann 2001).

***Oribatella tenuis* Csiszar, 1961**

Distribution in Georgia. W: Mtirala National Park, Sairme (Mumladze *et al.* 2015; Murvanidze *et al.* 2015)

Global distribution. Mediterranean

Ecology. Forest soils

Superfamily: Oripodoidea Jacot, 1925

Family: Haplozetidae Grandjean, 1936

***Haplozetes elegans* Kunst, 1977**

Distribution in Georgia. W: Sataplia Reserve, Kvabiskhevi Reserve; E: Gergeti, Tbilisi, Gardabani (Murvanidze & Mumladze 2014; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Broadleaved forest soils

***Haplozetes longisacculus* Murvanidze & Weigmann, 2012**

Distribution in Georgia. W: Rgani, Mghvimevi, Darkveti (Murvanidze & Weigmann 2012; Murvanidze *et al.* 2013)

Global distribution. Caucasus

Ecology. Dump soils on manganese quarries

***Haplozetes tenuifusus* (Berlese, 1916)**

Distribution in Georgia. E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils.

***Peloribates europaeus* Willmann, 1935**

Distribution in Georgia. W: Musera, Sokhumi; E: Batsara-Babaneuri Reserve, Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils and dry meadows

***Peloribates longipilosus* Csiszar, 1962**

Distribution in Georgia. W: Kolkheti National Park, Kintrishi Reserve, Rgani, Darkveti; E: Tbilisi, Kavtiskhevi (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest and meadow soils

***Protoribates capucinus* (Berlese, 1908)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. All types of habitats with the preference of humid forest soils

***Protoribates dentatus* (Berlese, 1883)**

Distribution in Georgia. W: Churia; E: Algethy Reserve (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Humid forest soils and bogs

***Protoribates lophotrichus* (Berlese, 1904)**

Distribution in Georgia. W: Kolkheti National Park (Shtanchaeva & Subías 2010), Likhi range*

Global distribution. Semicosmopolitan

Ecology. Humid and flooded meadows

***Pseudoprotoribates parabadensis* (Kulijev, 1968)**

Distribution in Georgia. W: Kintrishi Reserve; E: river Potskhovi gorge (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid forest soils

Family: Oribatulidae Thor, 1929

***Lucoppia burrowsi* (Michael, 1890)**

Syn.: *Lucoppia orientalis* Djaparidze, 1985

Distribution in Georgia. Frequent in Eastern part of the country (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Xerophilic, arid forests and shrubs

***Lucoppia nicora* Djaparidze, 1986**

Distribution in Georgia. W: Nikortsinda cave; E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Oribatula (Oribatula) tibialis* (Nicolet, 1855)**

Syn.: *Oribatula pallida* (Banks, 1906) *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000

Distribution in Georgia. whole country (Murvanidze *et al.* 2013, 2015; Murvanidze 2014; Murvanidze &

Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Forest soils

***Oribatula (O.) beccus* Djaparidze, 1990**

Distribution in Georgia. different landscape zones (see remark)

Global distribution. Caucasus

Ecology. Different soil types

Remark. *O. beccus* from Georgia was described by Djaparidze (1990a) without indication of exact finding sites. Djaparidze describes the species as numerous in different landscape zones: dry lowland subtropics, montane forests with moderate humid climate, high montane forests and alpine meadows. The presence of the holotype in the collections of the Institute of Zoology is also indicated, however, we could find neither holotype, nor paratypes.

In the Catalogue this species is placed as a synonym of *Oribatula (O.) tibialis alifera* Subías, 2000. *O. (O.) tibialis alifera* was created by Subías (2000) as *nomina nova* with for the earlier described species *O. tibialis alata* Iordansky, 1991 as a synonym to *O. (O.) tibialis alifera*. Within this publication, no arguments are provided for such synonymy. It is only mentioned that the species described by Iordansky (1991) was found on Iberian Peninsula too (Subías 2000). *O. (O.) beccus* and *O. (O.) tibialis alata* are similar in having sparsely barbed lamellar setae and clearly protruding pteromorphae, however, there is a notable difference in body size between them: 580–600 µm for *O. (O.) beccus* and 408 µm for *O. (O.) tibialis alata*. Considering this difference as important, we regard *O. (O.) beccus* as a valid species and reject its synonymy with *Oribatula (O.) tibialis alifera*.

***Oribatula (Zygoribatula) cognata* (Oudemans, 1902)**

Syn.: *Zygoribatula cognata* (Oudemans, 1902) *sensu* Murvanidze & Mumladze 2014, Murvanidze *et al.* 2011a, 2013, Murvanidze 2014

Distribution in Georgia. whole country (Murvanidze *et al.* 2011a, 2013; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. All types of habitats

***Oribatula (Z.) exarata* Berlese, 1916**

Distribution in Georgia. E: Tbilisi*, Kajiri Mountain (Murvanidze & Kvavadze 2006)

Global distribution. Palearctic

Ecology. Xerophilic shrubs and semideserts.

***Oribatula (Z.) exilis* (Nicolet, 1855)**

Syn.: *Zygoribatula exilis* (Nicolet, 1855) *sensu* Darejanashvili 1967, Djaparidze 1963, 1974, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000, Murvanidze *et al.* 2008a, 2011a, 2013 Tarba 1976, 2000

Distribution in Georgia. whole country (Murvanidze *et al.* 2011a, 2013; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Oribatula (Z.) frisiae* (Oudemans, 1900)**

Syn.: *Zygoribatula frisiae* (Oudemans, 1900) *sensu* Djaparidze 1963, 1974, Darejanashvili & Gurgenidze 2004, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000, Murvanidze 2014, Murvanidze & Todria 2015

Distribution in Georgia. W: Ritsa Reserve, Musera, Kolkheti National Park, Mtirala National Park; E: Tbilisi, Algethy Reserve, Gardabani, Kavtiskhevi (Murvanidze 2014; Murvanidze & Todria 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest and urban soils

***Oribatula (Z.) glabra* (Michael, 1890)**

Distribution in Georgia. W: Ritsa Reserve; E: Stepantsminda (Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Dry meadow and ruderal soils.

***Oribatula (Z.) lanceolata* Grobler, Bayram & Çobanoglu, 2004**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Oribatula (Z.) longisensilla* (Djaparidze, 1985)**

Syn.: *Zygoribatula longisensilla* Djaparidze, 1985 *sensu* Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000

Distribution in Georgia. W: Tetnuldi mountain* E: Tbilisi, Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Arid forest soils

Remark. In the Catalogue the presence of *O. (Z.) hispanica* Subías & Arillo, 1998 is indicated for several locations of Georgia with registering *O. (Z.) longisensilla* (Djaparidze, 1985) as a synonym. In the 2015 update of world checklist (Subías 2004) *O. (Z.) longisensilla* is regarded as “*species inquirinda*” and synonym of *O. (Z.) lanceolata* (Grobler *et al.* 2004). Grobler *et al.* (2004) do not discuss *O. (Z.) longisensilla* at all, whereas we realize that the characters of *O. (Z.) lanceolata* match exactly with the description of Djaparidze. The holotype of *O. (Z.) longisensilla* Djaparidze, 1985 is indicated to be stored in the Museum of the Institute of Zoology of St. Petersburg, but it was not available for the time of investigation. However, we have found *O. (Z.) longisensilla* as numerous in several locations of Tbilisi (Murvanidze *et al.* 2008) and other parts of Georgia. We propose *O. (Z.) lanceolata* as a junior synonym of *O. (Z.) longisensilla* **syn. n.**

***Oribatula (Z.) microporosa* Bulanova-Zakhvatkina, 1967**

Syn.: *Zygoribatula microporosa* Bulanova-Zakhvatkina, 1967 *sensu* Darejanashvili 1967, Djaparidze 1974, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000

Distribution in Georgia. W: Ritsa Reserve, Musera, Tsemi (Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Forest soils

***Oribatula (Z.) propinqua* (Oudemans, 1900)**

Syn.: *Zygoribatula propinqua* (Oudemans, 1900) *sensu* Djaparidze 1974, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000

Distribution in Georgia. E: Stepantsminda (Shtanchaeva & Subías 2010)

Global distribution. Palearctic

Ecology. Forest soils

***Oribatula (Z.) spherisensilla* (Djaparidze, 1985)**

Syn.: *Zygoribatula spherisensilla* Djaparidze, 1985 *sensu* Djaparidze 1974, Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000

Distribution in Georgia. W: Sokhumi (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Oribatula (Z.) thalassophila* Grandjean, 1935**

Distribution in Georgia. E: Martkopi, Tskneti (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Forest soils

***Oribatula (Z.) connexa* Berlese 1904**

Distribution in Georgia. E: Tbilisi*, Kaspi*

Global distribution. Subtropical

Ecology. Urban and ruderal soils

***Oribatula (Z.) undulata* (Berlese, 1916)**

Distribution in Georgia. W: Poti (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Wet forest soils

***Siculobata (Paraleius) leontonycha* (Berlese, 1910)**

Distribution in Georgia. E: Datvijvari Pass (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Alpine meadows

***Phauloppia lucorum* (C.L. Koch, 1841)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Ushba, Mtirala National Park, Tskaltubo, Itkhvisi, Navenakhevi and Nikortsmina caves, Kvabiskhevi Reserve; E: Martkopi, Algethy Reserve, Lagodekhi Reserve (Murvanidze 2014; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Frequent in moss, forest soils

***Phauloppia pilosa* (C.L. Koch, 1841)**

Distribution in Georgia. W: Musera, Sakajia cave (Murvanidze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Phauloppia rauschenensis* (Sellnick, 1908)**

Syn.: *Eporibatula rauschenensis* (Sellnick, 1908) *sensu* Karppinen *et al.* 1987, Murvanidze & Darejanashvili 2000, Tarba 1976

Distribution in Georgia. W: Ritsa Reserve, Musera, Kvabiskhevi Reserve (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils, frequent in canopy

***Simkinia montana* Krivolutsky & Grishina, 1970**

Distribution in Georgia. E: Sioni (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Mountain forest soils

***Simkinia schachthachtinskoi* (Kulijev, 1961)**

Distribution in Georgia. E: Kavtiskhevi (Murvanidze & Todria 2015)

Global distribution. Palaearctic

Ecology. Dry meadows and post-industrial dumps.

***Simkinia tianschanica* Krivolutsky, 1971**

Distribution in Georgia. W: Zagori pass; E: Tbilisi, Gardabani, Kavtiskhevi (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Mountain forest soils

Family: Parakalummidae Grandjean, 1936

***Neoribates aurantiacus* (Oudemans, 1914)**

Distribution in Georgia. W: Musera, Kintrishi Reserve; E: Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Neoribates roubali* (Berlese, 1910)**

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Family: Scheloribatidae Grandjean, 1933

***Domatorina plantivaga* (Berlese, 1895)**

Distribution in Georgia. W: Musera, Kintrishi Reserve, Mtirala National Park; E: Lagodekhi Reserve (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Humid forest soils

***Hemileius initialis* (Berlese, 1908)**

Distribution in Georgia. W: Ritsa Reserve; E: Martkopi (Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Forest soils

***Liebstadia longior* (Berlese, 1908)**

Distribution in Georgia. W: Ritsa Reserve, Musera, New Aphon, Kolkheti National Park, Motsameta; E: Borjomi gorge, Tavkvetila Mountain, Tbilisi, David Gareji, Kavtiskhevi (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats with preference of coniferous forest soils

***Liebstadia pannonica* (Willmann, 1951)**

Distribution in Georgia. W: Risa Reserve, Kolkheti National Park, Kintrishi Reserve, Mtirala National Park, Darkveti; E: Akhaltsikhe; Kobi, Shatili, Tbilisi, Tetrtskaro, Algethy Reserve, Mariamjvari Reserve, David Gareji, Kajiri Mountain, Lagodekhi Reserve (Murvanidze *et al.* 2011; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Liebstadia similis* (Michael, 1888)**

Distribution in Georgia. W: Kolkheti National Park, Mtirala National Park, Kvabiskhevi Reserve, Darkveti; E: Dariali gorge, Stepantsminda, Jvari Pass, Sioni, Tavkvetila Mountain, Tbilisi, Martkopi, Algethy Reserve, Mariamjvari Reserve, Gardabani, Kavtiskhevi (Murvanidze & Todria 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Scheloribates barbatulus* Mihelčič, 1956**

Distribution in Georgia. W: Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Scheloribates distinctus* Mihelčič, 1964**

Distribution in Georgia. W: Ughviri pass; E: Kajiri Mountain (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Alpine and dry meadow soils

***Scheloribates fimbriatus* Thor, 1930**

Distribution in Georgia. E: Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Dry soils

***Scheloribates laevigatus* (C.L. Koch, 1835)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011a, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. All types of habitats

***Scheloribates latipes* (C.L. Koch, 1844)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011a, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Scheloribates longus* (Kulijev, 1968)**

Distribution in Georgia. W: Ritsa Reserve, Churia; E: Tsaghveri, Tsemi, Tbilisi, Kavtiskhevi (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Dry and humid forest soils, wetlands

***Scheloribates pallidulus* (C.L. Koch, 1841)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Mtirala National Park; E: Akhaltsikhe, Dmanisi, Algethy Reserve (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. All types of habitats

***Scheloribates quintus* (Wunderle, Beck & Woas, 1990)**

Distribution in Georgia. W: Kolkheti National Park; E: Algethy Reserve (Shtanchaeva & Subías 2010)

Global distribution. Europe

Ecology. Forest soils

***Scheloribates tubiaiensis* Sellnick, 1959**

Distribution in Georgia. E: Dmanisi (Shtanchaeva & Subías 2010)

Global distribution. Polynesia, Palaearctic

Ecology. Dry forest soils

Family: Zetomotrichidae Grandjean, 1934

***Ghilarovus kvavadzei* Murvanidze 2014**

Distribution in Georgia. W: Tsutskhvatı and Tsakhi caves (Murvanidze 2014)

Global distribution. Caucasus

Ecology. Cave entrance, forest soil

Superfamily: Ceratozetoidea Jacot, 1925

Family: Ceratozetidae Jacot, 1925

***Ceratozetes colchica* Murvanidze & Weigmann, 2003**

Distribution in Georgia. W: Kintrishi Reserve, Batumi Botanical Garden, vil. Pushurkauli, Idliani (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Humid forest soils

***Ceratozetes conjunctus* Mihelčič, 1956**

Distribution in Georgia. W: Tetnuli Mountain* E: Khashuri, Tbilisi (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Alpine meadow and forest soils

***Ceratozetes djaparidzae* Shaldybina, 1979**

Distribution in Georgia. W: Ninotsminda (Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Dry meadow soils

***Ceratozetes gracilis* (Michael, 1884)**

Syn.: *Ceratozetes fusiger* Mihelčič, 1956 *sensu* Djaparidze 1974; Karppinen *et al.* 1987; Murvanidze & Darejanashvili 2000

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. Forest soils, moss, litter

***Ceratozetes laticuspidatus* Menke, 1964**

Distribution in Georgia. W: Pushurkauli; E: Khashuri (Shtanchaeva & Subías 2010), Algethy Reserve*

Global distribution. Europe

Ecology. Forest soils

***Ceratozetes longocuspidatus* Kulijev, 1962**

Distribution in Georgia. E: Batsara-Babaneuri Reserve, Tbilisi, Algethy Reserve, Gombori range (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Ceratozetes mediocris* Berlese, 1908**

Distribution in Georgia. W: Musera, river Khobistskali gorge, river Chorokhi gorge, river Machakhela gorge; E: Kvabiskhevi Reserve, Tbilisi, Lagodekhi Reserve (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Humid forest soils

***Ceratozetes minimus* (Sellnick, 1928)**

Distribution in Georgia. W: Avadkhara (Shtanchaeva & Subías 2010) E: Dariali gorge*

Global distribution. Palaearctic

Ecology. Alpine meadow soils

***Ceratozetes minutissimus* Willmann, 1951**

Distribution in Georgia. W: Darkveti; E: Borjomi gorge, Tbilisi, Kavtiskhevi, Dedoplistskaro* (Murvanidze *et al.* 2013; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic
Ecology. Forest and meadow soils

***Ceratozetes peritus* Grandjean, 1951**

Distribution in Georgia. W: Batumi Botanical Garden, Sataplia Reserve E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Holarctic
Ecology. Forest soils and humid meadows

***Ceratozetes sellnicki* Rajski, 1958**

Distribution in Georgia. W: Ritsa Reserve, Musera; E: Kvabiskhevi Reserve, Dmanisi, Omalo, Sioni, Tbilisi, Martkopi, Algethy Reserve, Mariamjvari Reserve, Lagodekhi Reserve (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic
Ecology. Forest and alpine meadow soils

***Ceratozetoides cisalpinus* (Berlese, 1908)**

Distribution in Georgia. E: Kvabiskhevi Reserve (Murvanidze & Mumladze 2014)

Global distribution. Holarctic
Ecology. Forest soils

***Diapterobates humeralis* (Hermann, 1804)**

Distribution in Georgia. W: Ritsa Reserve, Borjomi E: Martkopi (Shtanchaeva & Subías 2010)

Global distribution. Holarctic
Ecology. Tree bark, forest and dry meadow soils

***Edwardzetes edwardsii* (Nicolet, 1855)**

Distribution in Georgia. W: Anaklia, Bakuriani, Borjomi; E: Manglisi (Shtanchaeva & Subías 2010)

Global distribution. Boreoalpine
Ecology. Broadleaved and coniferous forest soils

***Fuscozetes fuscipes* (C.L. Koch, 1844)**

Distribution in Georgia. W: Tsaghveri; E: Tavkvetila Mountain (Shtanchaeva & Subías 2010)

Global distribution. Holarctic
Ecology. Wet to humid forest and meadow soils

***Fuscozetes setosus* (C.L. Koch, 1839)**

Distribution in Georgia. E: Datvijvari Pass (Shtanchaeva & Subías 2010)

Global distribution. Holarctic
Ecology. Forest soils

***Melanozetes mollicomus* (C.L. Koch, 1840)**

Distribution in Georgia. W: Musera, Kintrishi Reserve; E: Tsemi, Tavkvetila Mountain, Dmanisi (Shtanchaeva & Subías 2010)

Global distribution. Boreoalpine
Ecology. All types of habitats

***Oromurcia bicuspidata* Thor, 1930**

Syn. *Oromucia sudetica* Willmann, 1939 *sensu* Karppinen *et al.* 1987; Shtanchaeva & Subías 2010

Distribution in Georgia. E: Kaspi*
Global distribution. Palaearctic
Ecology. mountainous meadows

Remark. Catalogue provides information on presence of *O. bicuspidata* in Ritsa Reserve after Tarba (1976) and Karppinen *et al.* (1987). We have examined paper of Tarba and did not find information on the presence of *O. bicuspidata* in the region. So, we discard this location and provide recent founding point in Kaspi.

***Sphaerozetes orbicularis* (C.L. Koch, 1835)**

Distribution in Georgia. W: Ritsa Reserve, Musera (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Sphaerozetes piriformis* (Nicolet, 1855)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils, moss, litter

***Sphaerozetes tricuspoidatus* Willmann, 1923**

Distribution in Georgia. W: Ritsa Reserve, Musera, Phurtio, Mtirala National Park; E: Tavkvetila Mountain, Omalo, Lagodekhi Reserve (Murvanidze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils, moss, litter

***Trichoribates caucasicus* Shaldybina, 1971**

Distribution in Georgia. W: Kolkheti National Park, Mtirala National Park, Sairme gorge; E: Tavkvetila Mountain, Batsara-Babanauri Reserve, Tbilisi, Algethy Reserve, Lagodekhi Reserve (Mumladze *et al.*, 2015; Murvanidze *et al.* 2011; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

***Trichoribates incisellus* (Kramer, 1897)**

Distribution in Georgia. W: Gagra, Ritsa Reserve, Sokhumi, Churia, Chinati; E: Tskhratskaro, Tsalka, Shatili, Datvijvari Pass, Tetriskaro (Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Trichoribates naltshicki* (Shaldybina, 1971)**

Distribution in Georgia. Whole country (Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Trichoribates novus* Sellnick, 1928**

Distribution in Georgia. Whole country (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils, moss and litter, found in canopy and on tree trunks

***Trichoribates trimaculatus* (C.L. Koch, 1835)**

Distribution in Georgia. W: Kolkheti National Park, Kutaisi, Kvabiskhevi Reserve; E: Shatili, Datvijvari Pass, Sioni, Martkopi, Algethy Reserve, Gombori range, Kajiri Mountain, Lagodekhi Reserve (Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

Family: Chamobatidae Grandjean, 1954

***Chamobates borealis* (Tragardh, 1902)**

Distribution in Georgia. E: Borjomi (Darejanashvili 1976)

Global distribution. Holarctic

Ecology. Acidic forest soils of different humidity

***Chamobates caucasicus* Shaldybina, 1969**

Distribution in Georgia. W: Ritsa Reserve, Kolkheti National Park, whole Ajara region; E: Dmanisi, Batsara Reserve, Algethy Reserve, Mariamjvari Reserve (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Chamobates cuspidatiformis* (Trägårdh, 1904)**

Distribution in Georgia. W: Ritsa Reserve, Anaklia, Tskaltubo, Rgani (Shtanchaeva & Subías 2010).

Global distribution. Palaearctic

Ecology. Forest soils

***Chamobates cuspidatus* (Michael, 1884)**

Distribution in Georgia. W: Tetnaldi Mountain,* Ritsa Reserve, Sokhumi, New Aphon, Mtirala National Park, Kvabiskhevi Reserve; E: Tavkvetila Mountain, Tbilisi, Algethy Reserve (Murvanidze & Mumladze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. All types of habitats

***Chamobates dactyloscopicus* Bernini & Mahunka, 1982**

Distribution in Georgia. W: Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Forest soils

***Chamobates dentutorii* Shaldybina, 1969**

Distribution in Georgia. W: Ritsa Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Chamobates interpositus* Pschorn-Walcher, 1953**

Distribution in Georgia. W: Kintrishi Reserve, Mtirala National Park, Tskaltubo, Tsutskhvati and Samele caves; Darkveti, Likhi range; E: Gombori range (Murvanidze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils and canopy

***Chamobates kieviensis* Shaldybina, 1980**

Distribution in Georgia. W: Kolkheti National Park, Kintrishi Reserve, Mtirala National Park, Darkveti; E: Tbilisi (Murvanidze *et al.* 2013, 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Forest soils

***Chamobates sergienkoe* Shaldybina, 1980**

Distribution in Georgia. E: Khashuri (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Chamobates spinosus* Sellnick, 1928**

Distribution in Georgia. W: Ritsa Reserve, Musera, Kolkheti National Park, Mtirala National Park, Leskhulukhe

cave; E: Dmanisi, Sioni, Martkopi (Murvanidze 2014; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Chamobates subglobulus* (Oudemans, 1900)**

Distribution in Georgia. W: Ritsa Reserve, Racha range, Sairme (Mumladze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Chamobates voigtsi* (Oudemans, 1902)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

***Globozetes longipilus* Sellnick, 1928**

Distribution in Georgia. W: Musera (Shtanchaeva & Subías 2010)

Global distribution. European

Ecology. Forest soils

***Globosetes microtus* Shaldybina, 1969**

Distribution in Georgia. W: Musera, New Aphon, Mtirala National Park, Kolkheti National Park; E: Kvabiskhevi Reserve (Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Caucasus

Ecology. Forest soils

Family: Euzetidae Grandjean, 1954

***Euzetes globulus* (Nicolet, 1855)**

Distribution in Georgia. W: Musera, Kolkheti Reserve, Kintrishi Reserve, Darkveti, Sairme; E: Kvabiskhevi Reserve, Algethy Reserve, Lagodekhi Reserve (Murvanidze *et al.* 2011, 2013; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

Family: Punctoribatidae Thor, 1937

***Feiderzetes latus* (Schweizer, 1956)**

Distribution in Georgia. W: Mtirala National Park (Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015)

Global distribution. European

Ecology. Decaying wood

***Minunthozetes pseudofusiger* (Schweizer, 1922)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

***Minunthozetes semirufus* (C.L. Koch, 1840)**

Distribution in Georgia. W: Ritsa Reserve, Musera, Mtirala National Park, Kvabiskhevi Reserve (Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid to fresh forest soils

***Minunthozetes tarmani* Feider, Vasiliu & Calugar, 1971**

Distribution in Georgia. W: Bzyb, Batumi Botanical Garden (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Mycobates parmeliae* (Michael, 1884)**

Distribution in Georgia. W: Ritsa Reserve, Kintrishi Reserve, Kvabiskhevi Reserve; E: Tavkvetila Mountain, Dmanisi, Lagodekhi Reserve (Arabuli G *et al.*, 2008; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest soils

***Punctoribates gilarovi* Shaldybina, 1969**

Distribution in Georgia. W: Ritsa Reserve, Sakeni (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Punctoribates meridianus* Shaldybina, 1973**

Distribution in Georgia. E: Stepantsminda (Shtanchaeva & Subías 2010)

Global distribution. Mediterranean

Ecology. Alpine meadow

***Punctoribates mundus* Shaldybina, 1973**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

***Punctoribates palustris* (Banks, 1895)**

Syn.: *Punctoribates manzanoensis* Hammer, 1958 *sensu* Murvanidze & Kvavadze 2009, Murvanidze *et al.* 2011a; *Punctoribates (Minguezetes) insignis* Berlese, 1910 *sensu* Shtanchaeva & Subías 2010

Distribution in Georgia. W: Kolkheti National Park (Murvanidze *et al.* 2011)

Global distribution. Holarctic

Ecology. Bogs and flooded forests

Remark. Presence of *M. hexagonus* Berlese, 1908 is indicated in the Catalogue after Tarba (1976). After examination of this paper we have not found this species in the list and did not include it in the checklist. Moreover, *Punctoribates hexagonus* is frequently confused with *P. palustris* because of anterior notogastral tectum; however it is smaller in size and also tarsus II of *P. palustris* bears one dorsal tooth, whereas Hammer (1958) described and illustrated two dorsal teeth on tarsus II of *P. manzanoensis* (Behan-Pelletier & Eamer 2008). Genus *Minguezetes* was proposed by Subías *et al.* (1990), but Weigmann (2006) and Behan-Pelletier & Eamer (2008) do not agree with this statement, because of insufficient differential characters. We also provide genus *Punctoribates* as a valid for *P. palustris*.

***Punctoribates punctum* (C.L. Koch, 1839)**

Distribution in Georgia. Whole country (Murvanidze *et al.* 2011, 2013, 2015; Murvanidze 2014; Murvanidze & Mumladze 2014; Murvanidze & Arabuli 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Cosmopolitan

Ecology. All types of habitats. Frequent in disturbed and urban soils. It is reported as early succession species (Murvanidze *et al.* 2013).

***Punctoribates sellnicki* Willmann, 1928**

Distribution in Georgia. W: Ritsa Reserve, Kolkheti National Park (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Wet to humid forest and swamp soils

***Punctoribates sphaericus* Shaldybina, 1987**

Distribution in Georgia. W: Bzyb (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Family: Zetomimidae Shaldybina, 1966

***Zetomimus furcatus* (Pearce & Warburton, 1906)**

Distribution in Georgia. W: Kolkheti National Park (Murvanidze *et al.* 2013)

Global distribution. Palaearctic

Ecology. Bogs and flooded forests

Superfamily: Galumnoidea Jacot, 1925

Family: Galumnidae Jacot, 1925

***Acrogalumna longipluma* (Berlese, 1904)**

Syn.: *Allogalumna longipluma* (Berlese, 1904) *sensu* Darejanashvili 1966, Djaparidze 1974

Distribution in Georgia. W: Anaklia, Darkveti (Murvanidze *et al.* 2013, 2015; Shtanchaeva & Subías 2010); Kolkheti National Park, Kintrishi Reserve, Mtirala National Park; Kutaisi, Mapheli cave, Sairme; E: Tsaghveri, Dariali gorge, Algethy Reserve, Lagodekhi Reserve, Tavkvetila Mountain (Mumladze *et al.*, 2015; Murvanidze 2014; Murvanidze & Arabuli 2015; Murvanidze *et al.* 2015; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. Forest soils

***Galumna alata* (Hermann, 1804)**

Distribution in Georgia. W: Darkveti, Dzudzuana cave; E: Kvabiskhevi Reserve, Batsara Reserve, Tbilisi, Algethy Reserve, Mariamjvari Reserve, Lagodekhi Reserve (Murvanidze 2014; Shtanchaeva & Subías 2010)

Global distribution. Semicosmopolitan

Ecology. All types of habitats

***Galumna berlesei* Oudemans, 1919**

Distribution in Georgia. W: Tskaltubo, Kutaisi (Shtanchaeva & Subías 2010); E: Algethy Reserve*

Global distribution. European

Ecology. Forest soils

***Galumna flagellata* Willmann, 1925**

Distribution in Georgia. W: Kolkheti National Park, Phurtio, Phushurkauli, Tskaltubo, Racha range, Mghvimevi, Sairme; E: Dmanisi, Gergeti, Tbilisi, Dedoplistskaro* (Murvanidze *et al.* 2013; Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest and meadow soils

Remark. *G. flagellata* is described to have prolonged *Aa* areae porosae laying parallel to the pteromorphs

(Shaldybina 1975; Weigmann 2006). Individuals found in steppe soil in Dedoplistskaro have rounded triangular *Aa* with tip directed to the centre and being of the same size as other areae porosae. This character with combination of round A_1 , oval A_2 and A_3 , presence of median pore and setiform sensillus led us to think that we have encountered *Galumna dimorpha* Krivolutskaja, 1954. However, when checking the male individuals we have not found merged A_2 and A_3 area porosae. All characters in male and female individuals were similar. So we identified these individuals as *G. flagellata* and think that the shape of *Aa* should be considered as variable from oblong to rounded triangular.

***Galumna lanceata* (Oudemans, 1900)**

Distribution in Georgia. W: Ritsa Reserve, Kolkheti National Park, Kintrishi Reserve; E: Tbilisi, Algethy Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Galumna obvia* (Berlese, 1915)**

Distribution in Georgia. W: Ochamchire, Kolkheti National Park, Tskaltubo; E: Dmanisi, Sioni, Tbilisi, Algethy Reserve, Gombori range (Murvanidze *et al.* 2011; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Humid forest soils

***Galumna tarsipennata* Oudemans, 1913**

Distribution in Georgia. W: Kvatia vil., Mtirala National Park, Darkveti; E: Tbilisi, Algethy Reserve, Gombori range, Gardabani, Kavtiskhevi (Murvanidze *et al.* 2013, 2015; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest and meadow soils

***Pergalumna minor* (Willmann, 1928)**

Distribution in Georgia. W: Kolkheti National Park, Kintrishi Reserve, Mtirala National Park (Murvanidze *et al.* 2011, 2015; Murvanidze & Arabuli 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Swamps, wet to humid forest soils

***Pergalumna myrmophila* (Berlese, 1914)**

Distribution in Georgia. W: Ritsa Reserve, Bzyb, Batumi Botanical Garden, Sataplia Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Remark. As one location point Tbilisi (“Mziuri” Park) is given in the catalog after Murvanidze (2000, 2002) and Murvanidze & Darejanashvili (2000). After reexamination of the specimens we found the individuals from Tbilisi belonging to *P. nervosa*.

***Pergalumna nervosa* (Berlese, 1914)**

Syn.: *Galumna nervosus* (Berlese, 1914) *sensu* Djaparidze 1963

Distribution in Georgia. W: Kolkheti National Park, Rgani, Mghvimevi, Darkveti, Itkhvisi, Sairme; E: Kvabiskhevi Reserve, Dmanisi, Tbilisi, Algethy Reserve, Lagodekhi Reserve, Gardabani, Kavtiskhevi (Murvanidze *et al.* 2013; Murvanidze & Mumladze 2014; Murvanidze & Todria 2015; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Forest and meadow soils; frequent on dumps and recultivated sites (Murvanidze *et al.* 2013)

***Pilogalumna crassiclava* (Berlese, 1914)**

Distribution in Georgia. W: Ritsa Reserve, Kolkheti National Park, Kintrishi Reserve; E: Dmanisi, Tbilisi, Tetrtskaro, David Gareji, Lagodekhi Reserve (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. All types of habitats

***Pilogalumna tenuiclava* (Berlese, 1914)**

Syn.: *Allogalumna tenuiclava* (Berlese, 1914) *sensu* Djaparidze 1974, Tarba 1976

Distribution in Georgia. W: Ritsa Reserve, Musera, Sokhumi, Mtirala National Park, Tkaltubo, Kidobana cave, Sairme; E: Kvabiskhevi Reserve, Shatili, Shenako, Omali, Algethy Reserve, Mariamjvari Reserve (Murvanidze & Mumladze 2014; Shtanchaeva & Subías 2010)

Global distribution. Holarctic

Ecology. Swamps, forest soils and alpine meadows

***Trichogalumna nipponica* (Aoki, 1966)**

Distribution in Georgia. W: Sakeni (Shtanchaeva & Subías 2010)

Global distribution. Palaearctic

Ecology. Forest soils

Conclusions on oribatid species diversity in Georgia

In spite of the Georgian territory being well-covered with sampling, many species are reported only from a single location (112 species) or from several locations with mutual distance of more than 100 km (more than 50 species). Therefore the within country distribution ranges for many species can not be accurately constructed. Georgia is a small country with very rich topographic diversity, which is reflected in species diversity and distributions. Some regions like Colchis lowland are intensively investigated (>50 localities, see Appendix and Fig. 1), however it is comparatively poor by topographic diversity. In contrast, south-eastern part of Great Caucasus as well as Javakheti plateau and eastern Georgian dry belt have high landscape diversity and much larger area than Colchis lowland, but are rather weakly investigated (ca. 50 localities). This is also evident from the species number, as almost 350 species are reported from this area. The sampling effort is not (and could not be) evenly distributed across landscapes, which could explain the deficiencies in the knowledge of species distribution ranges in Georgia.

The sample-based rarefaction (based on the data provided in appendix) and chao2 estimate (Magurran 2004) indicate that at most 170 additional species are expected to find (at complete saturation point) if sampling will increase to 1000 locations (Fig. 6) (Hsieh *et al.* 2013). This estimation as well as the Figure 6 clearly show that the great deal of oribatid species diversity is already documented for Georgia (unlike any other invertebrate groups), however we suppose that the oribatid fauna of Georgia still needs further extensive investigation to provide complete picture of species diversity and distribution. This is evident from the pace of new discoveries. In particular, the cumulative curves for the new species descriptions as well as for new records in Georgia are not flattened over time (Fig. 2), indicating that further research would significantly enrich knowledge of the oribatid mite diversity of Georgia and the Caucasus.

Acknowledgements

The authors like to thank Dr. Sergey Ermilov for identification of *Berlesezetes aff. cuspidatus* Mahunka, 1982. We are very thankful to Professor Roy A. Norton, for critical revision of the draft version, giving important comments and advices and correction the language. We also want to express cordial gratitude to the editor of *Zootaxa* Dr. Ekaterina Sidorchuk and to the Professors Gerd Weigmann and Heinrich Schatz, for revision of the manuscript and providing very useful notes and remarks.

References

- Aoki, J. (1995) Oribatid mites of high altitude forests of Taiwan. *Special Bulletin of Japanese Society of Coleopterologists*, 4, 123–130.
- Arabuli, T., Murvanidze, M. & Kvavadze, Er. (2004) Distribution of oribatid mites (Acari, Oribatida) by phytocenoses (Tsv-Gombori Range, East Georgia). *Proceedings of the institute of zoology*, XXII, 80–88.
- Arabuli, G., Mosulishvili, M., Murvanidze, M., Arabuli, T., Bagaturia, N. & Kvavadze, Er. (2007) The Colchic lowland alder woodland with boxwood understorey (*Alnetta barbatae buxosa*) and their soil invertebrate animals. *Proceedings of Georgian Academy of Sciences, Seria Biologia*, 5 (2), 35–42
- Arabuli, G., Kvavadze, E., Kikodze, D., Connor, S.E., Kvavadze, Er., Bagaturia, N., Murvanidze, M. & Arabuli, T. (2008) The Krummholz beech woods of Mt. Tavkvetili (Javakheti plateau, Southern Georgia) – a relict ecosystem. *Proceedings of the Institute of Zoology*, XXIII, 194–213.
- Barjadze, Sh. & Murvanidze, M. (2016) New records of the springtails (Collembola: Entomobryomorpha) and oribatid mites (Acari: Oribatida) in Georgia. *Turkish Journal of Zoology*, 40, 117–119.
<http://dx.doi.org/10.3906/zoo-1502-8>
- Behan-Pelletier, V.M. & Eamer, B. (2007) Aquatic oribatida: adaptations, constrains, distribution and ecology. In: Morales-Maracala, J.B., Behan-Pelletier, V., Ueckermann, E., Perez, T.M., Estrada-Venegas, E.G & Badii, M. (Eds.), *Acarology. XI. Proceedings of the 11th International Congress of Acarology*. Instituto de Biología and Facultad de Ciencias, Universidad Nacional Autónoma de México; Sociedad Latinoamericana de Acarología. México, Merida, pp. 71–82.
- Behan-Pelletier, V.M. & Eamer, B. (2008) Mycobatidae (Acari: Oribatida) of North America. *Canadian Entomologist*, 140, 73–110.
<http://dx.doi.org/10.4039/n07-027>
- Bernini, F., Castagnoli, M. & Nannelli, R. (1995) Arachnida, Acari. In: Minelli, A., Ruffo, S. & La Posta, S. (Eds.), *Checklist delle specie della fauna Italiana. Commission of the European Communities*. Calderini, Bologna, 131 pp.
- Bulanova-Zakhvatkina, E.M. (1970) Oribatid mite fauna of the USSR and their distribution. In: Bulanova-Zakhvatkina, E.M., Ghilarov M.S., Krivolutsky, D.A., Petrova-Nikotina, A.D., Eitminavichute, I.S. & Aukshtikalnene A.M. (Eds), *Oribatid mites and their role in the process of the soil formation*. Akademia Nauk Litovskoi SSR, Vilnius, pp. 55–71. [in Russian]
- Colloff, M.J. & Cameron, S.L. (2013) A phylogenetic analysis and taxonomic revision of the oribatid mite family Malaconothridae (Acari: Oribatida), with new species of *Tyrphonothrus* and *Malaconothrus* from Australia. *Zootaxa*, 3681 (4), 301–346.
<http://dx.doi.org/10.11646/zootaxa.3681.4.1>
- Darejanashvili, Sh. (1964) To the study of species composition of oribatid mites (Acari, Oribatei) in Tbilisi surroundings. *Bulletin of the Academy of Sciences of the Georgian SSR*, XXXIV (2), 457–464. [in Georgian]
- Darejanashvili, Sh. (1967) On the distribution of oribatid mites of Borjom-Kharagauli gorge. *Bulletin of the Academy of Sciences of the Georgian SSR*, XIV (3), 721–726. [in Russian]
- Darejanashvili, Sh. (1976) *Oribatid mites (Oribatei) of Eastern Georgia*. Summary of the PhD thesis, Metsniereba, Tbilisi, 24 pp. [in Russian]
- Darejanashvili, Sh. (1987) Oribatid mites of lowhill-steppe landscapes. In: Kurashvili, B. (Ed.), *Problemi pochvennoi zoologii. Tezisi dokladov IX Vsesoyuznogo soveshchaniya*, Metsniereba, Tbilisi, pp. 82–83. [in Russian]
- Darejanashvili, Sh. (2000) Oribatid mites of the coniferous and broadleaved forests of Trialeti Range. *Proceedings of the Institute of Zoology*, XX, 100–108. [in Georgian]
- Darejanashvili, Sh. & Gurgenzidze, L. (2004) Ecological complexes of the oribatid mites (Acari, Oribatei) in the different forest types of the Eastern Georgia. *Proceedings of the institute of Zoology*, XXII, 102–110. [in Russian]
- Djaparidze, N. (1963) To the study the oribatid mite (Acari, Oribatei) fauna from Georgia. *Bulletin of the Academy of Sciences of the Georgian SSR*, XXXI (2), 413–419. [in Georgian]
- Djaparidze, N. (1966) Oribatid mites of Trialeti range – habitat distribution of the fauna. In: Reck, H.F. (Ed.), *Invertebrate Fauna of the Trialetsky Mountains*. Metsniereba, Tbilisi, pp. 40–63 [in Russian]
- Djaparidze, N. (1973) The description of two new species of oribatid mites (Acarina, Oribatei) from Georgia. *Bulletin of the Academy of Sciences of Georgian SSR*, 71 (2), 469–472. [in Russian]
- Djaparidze, N. (1974) Oribatid mites of the several natural zones of Georgia. In: Reck, H.F. (Ed.), *Materiali k faune Gruzii. 4*. Metsniereba, Tbilisi, pp. 11–40 [in Russian]
- Djaparidze, N. (1979) Oribatid mites of steppe biotopes of Martkopi surroundings. In: Reck, H.F. (Ed.), *The invertebrates of brown and montane black soils of Georgia*. Metsniereba, Tbilisi, pp. 157–166. [in Russian]
- Djaparidze, N. (1985) New findings of oribatid mites (Acariformes, Oribatei) in Georgia. In: Cholokava, A.O. (Ed.), *Fauna i ekologiya nekotorykh grupp nasekomikh i kleshchei Gruzii*. Metsniereba. Tbilisi, Tbilisi, pp. 58–71. [in Russian]
- Djaparidze, N. (1989) Oribatid mites (Oribatei) in Georgian fauna. In: Eliashvili, T. (Ed.), *Fauna i ekologiya bezpozvonochnykh zhivotnykh Gruzii*, Metsniereba, pp. 65–70. [in Russian]
- Djaparidze, N. (1990) New species of oribatid mites (Oribatei) of genus *Flexa* in Georgian fauna. *Bulletin of the Academy of Sciences of the Georgian SSR*, 137 (2), 405–408. [in Russian]
- Djaparidze, M. (1990a) Two new species of oribatid mites (Oribatei) of *Oribatula* Berlese, 1896 and *Eremaeus* C.L. Koch, 1836 genera in the fauna of Georgia. *Bulletin of the Academy of Sciences of Georgian SSR*, 139 (2), 417–420. [in Russian]

- Dubinina, E.V., Sosnina, E.F., Visotskaya, S.O., Markov, G.N. & Atanasov, L. Kh. (1966) Oribatid mites (Oribatida) from rodent nests on the Vitosh Mountain. *Bulletin de L'Institut de Zoologie et Musee*, XXII, 81–141. [in Russian]
- Engelbrecht, C.M. (1972) *Ctenogalumna moresonensis* sp.n. and *Pilogalumna bloemfonteinensis* sp.n., two new South African species of the subfamily Allogalumnidae Balogh, 1960 (Galumnidae: Oribatei). *Acarologia*, XIV (3), 497–510.
- Ermilov, S., Shtanchaeva, U. Ya., Subias, L.S. & Martens, J. (2014) Two new species of oribatid mites of *Lasiobelba* (Acari, Oribatida, Oppiidae) from Nepal, including a key to all species of the genus. *ZooKeys*, 424, 1–17.
<http://dx.doi.org/10.3897/zookeys.424.7990>
- Ghilarov, M.S. & Krivolutsky, D.A. (1975) *Identification keys of soil inhabiting mites, Sarcoptiformes*. Nauka, Moscow, 491 pp. [in Russian]
- Grobler, L., Bayram, S. & Çobanoğlu, S. (2004) Two new species and new records of oribatid mites from Turkey. *International Journal of Acarology*, 30 (4), 351–358.
<http://dx.doi.org/10.1080/01647950408684405>
- Hsieh, T.C., Ma, K.H. & Chao, A. (2013) iNEXT online: interpolation and extrapolation (Version 1.0) [Software]. Available from <http://chao.stat.nthu.edu.tw/blog/software-download/> (accessed 1 December 2015)
- Iordansky, S.N. (1991) Revision of oribatid mites of genus *Oribatula* (Acariformes, Cryptostigmata, Oribatulidae) of the fauna of USSR. *Zoologicheskyy Zhurnal*, 70 (8), 77–89. [in Russian]
- Karppinen, E., Krivolutsky, D.A., Tarba, Z.M., Shtanchaeva, U. Ya. & Gordeeva, E.W. (1987) List of oribatid mites (Acarina, Oribatei) of northern palaeartic region. IV. Caucasus and Crimea. *Annales Entomologici Fennici*, 53, 119–137.
- Krisper, G. (1984) Wiederbeschreibung und Verbreitungsanalyse der bodenbewohnenden Milbe *Zetorchestes falzonii* Coggi (Acari, Oribatei). *Mitteilungen naturwissenschaftlichen Verlag Steiermark*, 127, 147–152.
- Krivolutsky, D.A. (1975) Family Liacaridae. In: Ghilarov, M.S. & Krivolutsky, D.A. (Eds.), *Identification keys of soil inhabiting mites, Sarcoptiformes*. Nauka, Moscow, pp. 174–181. [in Russian]
- Krivolutsky, D.A. & Tarba, Z.M. (1971) On the fauna of oribatid mites of Abkhazia. *Zoologicheskyy Zhurnal*, 50, 1408–1411. [in Russian]
- Krivolutsky, D.A. & Tarba, Z.M. (1972) The fauna of oribatid mites of Abkhazia. In: Krivolutsky, D.A. (Ed.), *Ekologia pochvennikh bezpozvonochnikh*, Nauka, Moscow, pp. 203–207. [in Russian]
- Kulijev, K.A. (1961) To the study of oribatid mites of Azerbaijan with the description of two new species. *Trudi Azerbajanskogo Gosudarstvennogo universiteta*, XVII, 47–58. [in Russian]
- Lange, A.B. (1972) New oribatid mites of the family Palaeacaridae. *Vestnik MGU. Seria Biologia*, 4, 103–106. [in Russian]
- Lange, A.B. (1972a) New species of Genus *Zachvatkinella* (Palaeacaridae, Acariformes) from Far East, Baykal and Caucasus. *Zoologicheskyy Zhurnal*, 51 (12), 1889–1892. [in Russian]
- Mahunka, S. (1979) Neue und interessante Milben aus dem Genfer Museum. XLI. Vierter Beitrag der Oribatiden-Fauna Griechenlands (Acari, Oribatida). *Revue Suisse de Zoologie*, 86 (2), 541–571.
<http://dx.doi.org/10.5962/bhl.part.82319>
- Mahunka, S. (1982) Neue und interessante Milben aus dem Genfer Museum XXXIX. ¹ Fifth contribution to the oribatid fauna of Greece. *Revue Suisse de Zoologie*, 89 (2), 497–515.
<http://dx.doi.org/10.5962/bhl.part.82456>
- Mahunka, S. (1991) Notes, additions and redescriptions of the oribatid species of Berlese (Acari). *Acta Zoologica Hungarica*, 37 (1–2), 27–58.
- Mahunka, S. (1992) “Pelops” and “Oribates” species in the Berlese-collection (Acari). *Acta Zoologica Hungarica*, 38 (3–4), 213–260.
- Mahunka, S. & Mahunka-Papp, L. (2004) A catalogue of Hungarian oribatid mites. In: Cszuzdi, C. & Mahunka, S. (Eds.), *Pedozoologica Hungarica*. 2. Hungarian Natural History Museum and Systematic Zoology Research Group of the Hungarian Academy of Sciences, Budapest, 363 pp.
- Magurran, A.E. (2004) *Measuring Biological Diversity*. Blackwell Publishing, Cornwall, 247 pp.
- Maruashvili, M. (1964) *Physical geography of Georgia*. Metsniereba, Tbilisi, 343 pp. [in Georgian]
- Mumladze, L., Murvanidze, M. & Behan-Pelletier, V. (2013) Compositional patterns in Holarctic peat bog inhabiting oribatid mite (Acari: Oribatida) communities. *Pedobiologia*, 56, 41–48.
<http://dx.doi.org/10.1016/j.pedobi.2012.10.001>
- Mumladze, L., Murvanidze, M., Maraun, M. & Salakaia, M. (2015) Oribatid mite communities along an elevational gradient in Sairme Gorge (Caucasus). *Experimental and Applied Acarology*, 66 (1), 41–51.
<http://dx.doi.org/10.1007/s10493-015-9893-4>
- Murvanidze, M. (2000) The list of oribatid mites of Tbilisi city. *Proceedings of the institute of zoology*, XX, 109–118. [in Georgian]
- Murvanidze, M. (2002) Zoogeographical distribution of oribatid mites (Acari, Oribatei) of Tbilisi. *Bulletin of Georgian Academy of Sciences*, 165 (2), 371–373.
- Murvanidze, M. (2014) Oribatid mites of Georgian (Caucasus) caves including the description of a new species of *Ghilarovus* Krivolutsky, 1966. *International Journal of Acarology*, 40 (6), 463–474.
<http://dx.doi.org/10.1080/01647954.2014.950604>
- Murvanidze, M. & Darejanashvili, Sh. (2000) Checklist of oribatid mites of Georgia. *Proceedings of the institute of zoology*, XX, 119–137.
- Murvanidze, M., Kvavadze, E. & Jgenti, L. (2004) Oribatid mites (Acari, Oribatei) of Ajara (Caucasus, Georgia) and their

- vertical-zonal distribution. *Proceedings of the Institute of Zoology*, XXII, 89–102.
- Murvanidze, M. & Kvavadze, E. (2006) Bioindication of semidesert, steppe and light forest oribatid mites (Acari, Oribatida) communities via isovalent species groups. *Proceedings of Georgian Academy of Sciences. Biology*, Seria B, 4 (4), 51–56.
- Murvanidze, M. & Kvavadze, Er. (2007) Oribatid mites (Acari, Oribatida) of the Lagodekhi Reserve. In: Lebedeva, N. (Ed.), *Studies of the Southern Scientific Centre of the Russian Academy of Sciences. Issue III. Biodiversity and transformation of mountain ecosystems of Caucasus*. SSC RAS Publishing, Rostov-on-Don, pp. 124–130. [in Russian]
- Murvanidze, M. & Kvavadze, Er. (2009) An inventory of oribatid mites, the main decomposers in bogs of Colchic Lowland (Caucasus, Georgia). In: Sabelis, M.W. & Bruin, J. (Eds.), *Trends in Acarology*, Springer, Dordrecht/Heidelberg/New York/London, pp. 175–178.
- Murvanidze, M. & Weigmann, G. (2003) Contribution to the oribatid mite fauna of Georgia. 1. New species of Poronota (*Acari, Oribatida*). *Spixiana*, 26 (2), 165–170.
- Murvanidze, M. & Weigmann, G. (2007) New Carabodidae (Acari: Oribatida) of Georgia. *Tijdschrift voor Entomologie*, 150, 193–200.
<http://dx.doi.org/10.1163/22119434-900000219>
- Murvanidze, M., Arabuli, T., Bagathuria, N., Eliava, I., Kvavadze, Er. & Mumladze L. (2008) The nematodes and oribatid mites as indicators of urban environment. *Proceedings of the Institute of Zoology*, XXIII, 180–193.
- Murvanidze, M., Kvavadze, Er. & Jgenti, L. (2008a) Oribatid mites (Acari, Oribatida) of *Castanea* forests of Mtirala National Park and Kintrishi Reserve. *Proceedings of Georgian Academy of Sciences. Biology*, Seria B, 6 (1–2), 17–22.
- Murvanidze, M. & Behan-Pelletier, V.M. (2011) A new species of *Striatoppia* (Acari, Oribatida) from the Caucasus region, with remarks on the familial placement of the genus. *International Journal of Acarology*, 37 (1), 53–59.
<http://dx.doi.org/10.1080/01647954.2010.494165>
- Murvanidze, M., Mumladze, L., Arabuli, T. & Kvavadze, Er. (2011) Landscape distribution of oribatid mites (Acari, Oribatida) in Kolkheti National Park (Georgia, Caucasus). *Zoosymposia*, 6, 221–233.
- Murvanidze, M. & Weigmann G. (2012) Two new species of oribatid mites (Acari, Oribatida) *Haplozetes longisacculus* and *Scutovertex armazi* from Georgia (Caucasus). *Acarina*, 20 (2), 167–172.
- Murvanidze, M., Mumladze, L., Arabuli, T. & Kvavadze, Er. (2013) Oribatid mite colonization of sand and manganese tailing sites. *Acarologia*, 53 (2), 127–139.
<http://dx.doi.org/10.1051/acarologia/20132089>
- Murvanidze, M. & Mumladze, L. (2014) Oribatid mite (Acari, Oribatida) diversity in different forest stands of Borjom-Kharagauli National Park. *Persian Journal of Acarology*, 3 (4), 257–276.
- Murvanidze, M. & Arabuli, T. (2015) Oribatid mite diversity in *Rhododendron ponticum* L. canopy along elevational gradient in Mtirala National Park. *Acarologia*, 55 (2), 219–30.
<http://dx.doi.org/10.1051/acarologia/20152162>
- Murvanidze, M., Mumladze, L., Arabuli, T., Barjadze, Sh. & Salakaia, M. (2016) Oribatida diversity in different microhabitats of Mtirala National Park. *Journal of Japanese Association of Acarologists*. [in press]
- Murvanidze, M. & Todria, N. (2015) Oribatida diversity on limestone and clay quarries. *Proceedings of the Institute of Zoology*, 24, 159–169.
- Niedbala, W. (1983) Deux nouveaux Phthiracaridae (Acarida, Oribatida) de la Georgie (URSS). *Bulletin de la societe des amis des sciences et des lettres de Poznan*, 23, 171–182.
- Niedbala, W. (1983a) Les nouveaux Phthiracaridae (Acari, Oribatida) du Caucase. *Annales Zoologici*, 37 (1), 1–62.
- Niedbala, W. (1986) Catalogue des Phthiracaridae (Acari), clef pour la determination des especes et descriptions d'especes nouvelles. *Annales Zoologici*, 40 (4), 309–370.
- Niedbala, W. (1993) Revision of oribatid mites of Berlese's collection. III. Redescription of species from Mesoplophoroidea and Euphthiracaridae (Acari, Oribatida). *Genus*, 4 (1), 41–58.
- Niedbala, W. (2002) Ptyctimous mites (Acari, Oribatida) of the Nearctic region. In: Holeksa, K. (Ed.), *Monographs of the Upper Silesian Museum*, 4, pp. 1–261. [Bytom]
- Niedbala, W. (2004) Ptyctimous mites (Acari, Oribatida) of the Neotropical region. *Annales Zoologici*, 54 (1), 1–288.
- Niedbala, W. (2011) Ptyctimous mites (Acari: Oribatida) of the Palaearctic Region. Systematic part. In: Ivan, D. & Małol, J. (Eds.), *Fauna Mundi. 4*. Natura optima dux Foundation, Warszawa, 472 pp.
- Niedbala, W. (2015) Current taxonomical and faunistic status of Caucasian ptyctimous mites (Acari, Oribatida). *North-Western Journal of Zoology*, 11 (1), 1–7.
- Norton, R.A. (1994) Evolutionary aspects of oribatid mite life histories and consequences for the origin of Astigmata. In: Houk, M. (Ed.), *Ecological and evolutionary analyses of life history patterns*. Chapman & Hall, New York, pp. 99–135.
http://dx.doi.org/10.1007/978-1-4615-2389-5_5
- Norton, R.A. & Behan-Pelletier, V.M. (2009) Suborder Oribatida. In: Walter & Kranz (Eds.), *A manual of Acarology. Third edition*. Texas Technical University Press, Lubbock, pp. 430–564.
- Norton, R.A. & Sidorchuk, E.A. (2014) *Collohmanna johnstoni* n.sp. (Acari, Oribatida) from West Virginia (U.S.A.), including description of ontogeny, setal variation, notes on biology and systematics of Collohmanniidae. *Acarologia*, 54 (3), 271–334.
<http://dx.doi.org/10.1051/acarologia/20142134>
- Ohkubo, N. (1995) Species list of Quadropiidae (Acari: Oribatida) with descriptions of a new genus and two new species. *Journal of the Acarological Society of Japan*, 4 (2), 77–89.
<http://dx.doi.org/10.2300/acari.4.77>

- Oudemans, A.C. (1914) Acarologisches aus Maulwurfsnestern. *Archiv fuer Naturgeschichte*, A (10), 1–70.
- Perez-Iñigo, C. (1993) Acari, Oribatei, Poronota. In: Ramos Sanches, M.A. (Ed.), *Fauna Iberica*. 3, Museo Nacional de Ciencias Naturales, CSIC, Madrid, 320 pp.
- Reck, H. (1976) *The Catalogue of the Acarofauna of Georgian SSR*. Metsniereba, Tbilisi, 128 pp. [in Russian]
- Schatz, H. (2004) Hornmilben (Acari, Oribatida) in Auenwäldern an der Etsch und Tafler (Südtirol, Italien). *Gredleriana*, 4, 93–114.
- Schatz, H., Behan-Pelletier, V.M., OConnor, B.M. & Norton, R.A. (2011) Suborder Oribatida van der Hammen, 1968. In: Zhang, Z.Q. (Ed.), *Animal biodiversity: An outline of higher level classification and survey of taxonomic richness*. *Zootaxa*, 3148, 141–148.
- Shaldybina, E.S. (1975) Family Galumnidae. In: Ghilarov, M.S. & Krivolutsky, D.A. (Eds.), *Identification keys of soil inhabiting mites, Sarcoptiformes*. Nauka, Moscow, 347–363. [in Russian]
- Shtanchaeva, U. Ya. (2001) Catalog of oribatid mites of the Caucasus (Acari, Oribatida). *Acarina*, 9 (2), 177–221.
- Shtanchaeva, U. Ya. (2008) A review of oribatid mites of the family Liacaridae (Acariformes, Oribatida) from the Caucasus. *Entomological review*, 88 (2), 244–257.
<http://dx.doi.org/10.1134/S0013873808020103>
- Shtanchaeva, U. Ya & Subías, L.S. (2010) *The catalogue of Caucasian oribatid mites*. Nauka, Makhachkala. 276 pp. [in Russian]
- Shtanchaeva, U. Ya., Subías, L.S. & Arillo, A. (2010) New taxa of oribatid mites of the family Liacaridae (Acariformes, Oribatida) from the Caucasus. *Entomologica Fennica*, 20, 245–248.
- Shtanchaeva, U. Ya. & Subías, L.S. (2012) New species of primitive oribatid mite families Brachychthoniidae and Phthiracaridae (Acariformes, Oribatida) in Caucasus. *Entomological Review*, 92 (4), 447–458.
<http://dx.doi.org/10.1134/s0013873812040100>
- Shtanchaeva, U. Ya. & Subías, L.S. (2012a) A new subgenus and three new species of the oribatid mite families Hermanniellidae, Oribatellidae, and Schelorbitidae (Acariformes, Oribatida) from the Caucasus. *Entomological Review*, 92 (5), 583–589.
<http://dx.doi.org/10.1134/S0013873812050119>
- Subías, L.S. (2004 updated in 2015) Listado sistemático, sinonimico y biogeografico de los oribatidas (Acariformes, Oribatida) del mundo (1758–2002). 2004. *Graellsia*, 60 (numero extraordinario), 305 pp. Available from: <http://www.ucm.es/info/zoo/Artropodos/Catalog.pdf> (accessed 1 December 2015)
- Subías, L.S. (2000) Nuevos oribátidos (Acariformes, Oribatida) para la fauna de la Península Ibérica. *Graellsia*, 56, 21–25.
- Subías, L.S. (2010) Nuevos nombres de oribátidos (Acari: Oribatida). *Boletín Real Sociedad Española de Historia Natural. Sección Biológica*, 104, 35–39.
- Subías, L.S., Kahwash, M.A.M. & Ruiz, E. (1990) Un nuevo género y tres nuevas especies de Ceratozetoideos del Sur de España (Acari, Oribatida, Ceratozetoidea). *Boletín de la Asociación española de Entomología*, 14, 105–113.
- Subías, L.S. & Arillo, A. (2000) Ácaros Oribátodes (Acariformes, Oribatida) de la Sierra de Mira (Este de España). *Boletín de la Asociación Española de Entomología*, 24 (3–4), 85–104.
- Tarba, Z.M. (1974) Vertical distribution of oribatid mites in Caucasian forest soils. *Zoologicheskyy Zhurnal*, 53 (11), 1630–1635. [in Russian]
- Tarba, Z.M. (1976) The fauna of oribatid mites of Ritsa-Auadkhara Reserve. *Fauna i ekologiya bezpozvonochnikh zhivotnikh*. Moscow, 20–24. [in Russian]
- Tarba, Z.M. (1978) The fauna of oribatid mites of Abkhazia. *Trudi pedagogicheskikh institutov Gruzinskoj SSR. Seria estestvennikh nauk*, 5, 68–81. [in Russian]
- Tarba, Z.M. (1988) The seasonal dynamic of Kolkheti type forest in Abkhazia. *Ekologiya mikroartropod lesnikh pochv*. Nauka, Moscow, 81–92. [in Russian]
- Tarba, Z.M. (1990) New species of oribatid mites – *Heminothrus* sp.n. from Abkhazia. *Zoologicheskyy Zhurnal*, 89, 142–143. [in Russian]
- Tarba, Z.M. (1993) Population structure of oribatid mites in the vertical landscape zones of Abkhazia. *Zoologicheskyy zhurnal*, 72 (8), 22–27.
- Weigmann, G. (2001) Contribution to the knowledge of European Poronota I. *Oribatella* and *Anachipteria*. *Spixiana*, 24 (3), 235–240.
- Weigmann, G. (2006) *Hornmilben (Oribatida)*. *Die Tierwelt Deutschlands*. 76 Teil. Goecke & Evers, Keltern, 520 pp.
- Weigmann, G., Horak, F., Franke, K. & Christian, A. (2015) Verbreitung und Ökologie der Hornmilben (Oribatida) in Deutschland. *Peckiana*, 10, 1–171.
- Weigmann, G. & Schatz, H. (2015) Redescription of *Coronoquadroppia monstrosa* (Hammer, 1979) (Acari, Oribatida, Quadropiidae) from Java and variability of the species in Europe. *Zootaxa*, 3926 (3), 329–350.
<http://dx.doi.org/10.11646/zootaxa.3926.3.2>
- Willmann, C. (1931) Moosmilben oder Oribatiden (Cryptostigmata). In: Dahl, F. (Ed.), *Die Tierwelt Deutschlands*, 22, 79–200.
- Zazanashvili, N., Sanadiradze, G., Bukhnikashvili A., Kandaurov, A. & Tarkhishvili, D. (2004) Caucasus. In: Mittermaier, R.A., Hoffmann, P.G. Gil, M., Pilgrim, J., Brooks, T., Mittermaier, C.G., Lamoreux J. & da Fonseca, G.A.B. (Eds.), *Hotspots revisited, Earth's biologically richest and most endangered terrestrial ecoregions*, CEMEX/Agrupacion, Sierra Madre, pp. 148–153.