

CATALOGUE AND ATLAS OF CAVE-DWELLING TERRESTRIAL ISOPODS (CRUSTACEA: ONISCIDEA) FROM CROATIA

JANA BEDEK¹, STEFANO TAITI² & SANJA GOTTSTEIN³

¹Croatian Biospeleological Society, Demetrova 1, HR-10 000 Zagreb
(jana.bedek@hbsd.hr)

²Istituto per lo Studio degli Ecosistemi, CNR, Via Madonna del Piano 10,
I-50019 Sesto Fiorentino (stefano.taiti@ise.cnr.it)

³Department of Zoology, Faculty of Science, Rooseveltov trg 6, HR-10 000
Zagreb (sgottst@biol.pmf.hr)

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This paper presents a checklist with historical overview and new records on the cave-dwelling terrestrial isopods (troglaphiles and troglobionts) from Croatia, based on detailed analyses of available literature and unpublished data from collections. For each species the following data are quoted: the name of the taxon; synonyms; general distribution; type locality; ecological status; list of locality records; species names used in the cited literature; the distribution map using 10 × 10 km UTM grid squares. Annexes with the locality synonyms used in the examined literature and collection data are enclosed. Altogether this paper presents data from 557 caves, 6 artificial underground structures and 15 other epigeal and subterranean localities. A checklist of cave terrestrial isopod taxa in Croatia is composed of 35 species and five subspecies distributed in five families, including 22 Croatian endemic and 20 troglobiotic taxa. The family Trichoniscidae and the subfamily Trichoniscinae are the most representative with 26 and 20 species, respectively. The most represented genus is *Alpioniscus* with 10 species. The South Croatian Littoral macroregion has the highest number of species and endemics among Croatian macroregions. The most widely distributed species in Croatia are the troglaphiles *Mesoniscus graniger* and *Androniscus roseus* found in three macroregions. Only four troglobiotic species (*Alpioniscus balthasari*, *A. strasseri*, *Titanethes albus* and *T. dahli*) are distributed in two macroregions, while the rest are distributed only in single macroregions. All the 40 Croatian cave taxa are distributed in the Dinaric karst area, and only three troglaphilic species are found also outside. No Croatian endemic taxa are found outside the Dinaric karst area.

Key words: checklist, endemic taxa, Dinaric karst, biodiversity, distribution

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U ovom radu je prikazan popis vrsta s povijesnim pregledom i novim nalazima špiljskih jednakožnih kopnenih rakova, koji se temelji na detaljnoj analizi dostupne literature o špiljskim jednakožnim rakovima te neobjavljenim podacima iz zbirke. Popisani su svi poznati špiljski jednakožni rakovi (troglafilni i troglobionti). Za svaku vrstu se navode sljedeći podaci: ime svojite; sinonimi; opća

rasprostranjenost; tipski lokalitet; ekološki status; popis nalaza; ime vrste upotrijebljeno u citiranoj literaturi; karta rasprostranjenosti na UTM mreži 10 × 10 km. Priloženi su dodaci s popisom sinonima objekata upotrijebljenih u citiranoj literaturi te podaci iz zbirki. Sveukupno rad obuhvaća podatke iz 557 speleološka objekta, šest podzemnih građevina i 15 ostalih nadzemnih i podzemnih lokaliteta. Popis špiljskih svojiti utvrđenih do danas za područje Hrvatske obuhvaća 35 vrsta i pet podvrsta unutar pet porodica koje uključuju 22 endema Hrvatske i 20 troglobionata. S obzirom na broj vrsta najzastupljenija je porodica Trichoniscidae (26 vrsta) i potporodica Trichoniscinae (20 vrsta). Rod *Alpioniscus* sa 10 vrsta je najučestaliji. Makroregija južno hrvatsko primorje ima mnogo više vrsta i endema od ostalih regija. Najšire rasprostranjene vrste su troglofilne vrste *Mesoniscus graniger*, *Androniscus roseus* i troglobiontna vrsta *Androniscus stygius*, rasprostranjene u tri makroregije. Samo četiri troglobiontne vrste (*Alpioniscus balthasari*, *A. strasseri*, *Titanethes albus* i *T. dahli*) su rasprostranjene u dvije makroregije, ostale su utvrđene samo u jednoj. Od 40 špiljskih svojiti sve su rasprostranjene u Dinarskom kršu a samo tri izvan Dinarskog krša. Izvan Dinarskog krša nema Hrvatskih endemskih svojiti.

Ključne riječi: popis vrsta, endemi, dinarski krš, bioraznolikost, rasprostranjenost

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INTRODUCTION

In Croatia 130 species and 30 subspecies of terrestrial isopods have been recorded to date, 59 species and 17 subspecies being endemic to Croatia (ARCANGELI, 1939a, POTOČNIK, 1989, SCHMALFUSS, 2003, FARKAS & KRČMAR, 2004, FARKAS & VILISICS, 2008, BEDEK & TAITI, 2009, KARAMAN *et al.*, 2009). This paper presents an overview of the present knowledge on cave-dwelling terrestrial isopods, and is based on data available in the literature and unpublished data from collections.

HISTORICAL REVIEW

The first known data about terrestrial isopods from Croatian caves were given by the school teacher **Eugen Adolf Jurinac** from Varaždin. He performed the first systematic biospeleological research in the period from 15th to 31st August 1883 in the Kordun region. Among other cave animals he collected *Titanethes albus* (C. Koch, 1841) in three caves in the Ogulin region (JURINAC, 1886, 1888). In the beginning of the 20th century the director of the Croatian Natural History Museum **August Langhoffer** led major biospeleological surveys in Kordun, Gorski Kotar, Lika and Zagreb (LANGHOFFER, 1912, 1915a, 1915b) and the entomologist **Victor Stiller** from Zagreb also explored Kordun and Gorski Kotar (STILLER, 1911a, 1911b, 1913, 1914). The Dalmatian cave fauna was first investigated by **Umberto Girometta**, a school teacher and speleologist from Split, and his students from 1912 to 1914 (GIROMETTA, 1913, 1914). A mammalogist from Vienna, **Otto Wettstein**, explored

caves on the island of Brač in 1912 in an expedition organized by the biologist Prof. Dr. **Franz Werner** (WETTSTEIN, 1914). They all collected different species of the genera *Alpioniscus*, *Androniscus* and *Titanethes*, but mostly misidentified them as *Titanethes albus* or *Trichoniscus roseus*. All known data from that period were reviewed by the Hungarian isopodologist **Ernö Csiki** in his famous paper »Magyarország szárazföldi Isopodái. (Isopoda terrestria Hungariae)« (CSIKI, 1926).

From the beginning of the 20th century many foreign biologists (mostly entomologists) collected numerous specimens from caves, including terrestrial isopods. The collected material resulted in a lot of new species being described, mostly in the thirties of the last century. The first scientific analyses date to 1926, when the Italian isopodologist **Alceste Arcangeli** described the troglophilic species *Oroniscus stentai* (as *Porcellio stentai*) from Brač; this had been collected in 1903 by **Josef (Giuseppe) Müller**, coleopterologist from Trieste, born in Zadar (ARCANGELI, 1926). The German isopodologist **Karl Verhoeff** analyzed material from Istria collected by the diplopodologist **Karl Strasser** (VERHOEFF, 1929a, 1929b). The Hungarian isopodologist **Adorján Kesselyák** described the troglophilic subspecies *Androniscus stygius microcavernicolus* (as *Androniscus roseus microcavernicolus*), which he had collected on Mt. Učka in 1928 and 1929 (KESSELYÁK, 1931). **Verhoeff** described two new troglobiotic species from the island of Korčula collected by German zoologist **Fritz Haas**, *Alpioniscus haasi* (as *Illyrionethes haasi*) and *Aegonethes cervinus* (as *Illyrionethes cervinophis*) (VERHOEFF, 1931a, 1931b). A new troglophilic subspecies from Istria, *Androniscus roseus histrianorum* (as *Trichoniscus roseus histrianorum*), collected by Italian biologist **Pietro Parenzan**, was described by **Arcangeli** (ARCANGELI, 1932). Czech biologist **Karel Absolon**, one of the most famous explorers of Dinaric caves, collected fauna on the island of Mljet in 1917. Out of that material the Austrian isopodologist **Hans Strouhal** in 1934 described the troglophilic species *Echinarmadillidium absoloni*, for which **Verhoeff** in 1939 described a new genus, *Cyphodillidium* (STROUHAL, 1934, VERHOEFF, 1939). The Slovak isopodologist **Zdeněk Frankenberger** made a two-week-long fieldtrip in Dalmatia in June 1937 and described the new troglobiotic species *Alpioniscus balthasari* (as *Illyrionethes balthasari*) (FRANKENBERGER, 1937). In the same year **Strouhal** described two new troglophilic species from the genus *Oroniscus* collected by **Absolon** in 1914 from central Dalmatia (*O. dalmaticus*) and in 1917 from the island of Mljet (*O. meledensis*) (STROUHAL, 1937). The German biospeleologist **Beno Wolf** listed all cave isopods known up to 1935 in his famous »Animalium Cavernarum Catalogus« (WOLF, 1938). The Czech arachnologist **Josef Kratochvíl** collected material from Dalmatia on his fieldtrips through the former Yugoslavia. His material was analyzed by **Frankenberger** who described five new species: *Typhlarmadillidium kratochvili* (as *Cylisticus kratochvili*) from the island of Korčula, *Alpioniscus magnus* (as *Illyrionethes magnus*) from the island of Brač, *Alpioniscus kratochvili* (as *Illyrionethes kratochvili*) from the island of Hvar, and *Cyphopleon kratochvili* (as *Cyphoniscellus kratochvili*) from Mt. Svilaja. He also erected the new genus *Aegonethes* for the species *Illyrionethes cervinus* from the islands of Korčula and Vis. The new species *A. antilocapra* is also described by **FRANKENBERGER** (1938a, 1938b, 1939). **Strouhal** analyzed material from the Natural History Museum in Vienna, collected by Czech coleopterologist **Joseph Klimesch** in 1913 and **Werner** in 1927, and described the new troglobiotic species *Alpioniscus verhoeffi* (as *Illyrionethes verhoeffi*) from the Neretva River collected by Austrian biologist **Joseph Erber** in 1861 (STROUHAL, 1938). He also analyzed material from the collection »Biospeleo-

logica balcanica« gathered by **Absolon** and published the results in a series of papers named »*Landasseln aus Balkanhöhlen, in der Sammlung Biospeleologica balcanica*« and »*Landasseln aus Balkanhöhlen, gesammelt von Prof. Dr. K. Absolon*«. Many researchers besides **Absolon** contributed in collecting terrestrial isopods. **Strouhal** published many new biogeographical data for a lot of species and described many new genera and species from the Balkan region. From Croatia he described the new genus and species *Troglocyphoniscus absoloni* from the island of Mljet (STROUHAL, 1939a, 1939b, 1939c, 1939d, 1939e). In 1940 **Frankenberger** and **Strouhal** summarized all the data, which ended a very important period for the knowledge of cave terrestrial isopods in Croatia.

In the fifties and the sixties of the last century the isopodologist **Adem Buturović** from Sarajevo continued the study of terrestrial isopods on material collected by the arachnologist **Franjo Nikolić** from Dubrovnik from 1951 to 1953, by the Serbian biologist **Stanko Karaman** from 1924 to 1953, and material collected by himself in 1954. He described the new troglomorphic subspecies *Trichoniscus matulici metkovicensis* from the surroundings of Metković and the troglobiotic species *Alpioniscus trogirensis* from the surroundings of Trogir, and added many new biogeographical data for other known species (BUTUROVIĆ, 1955b, 1955c, 1963). In 1966 the biologist **Mladen Karaman**, son of **Stanko Karaman**, published a complete review of terrestrial isopods from Yugoslavia (KARAMAN, 1966). After that there was one long period of silence, which was ended by the Slovenian isopodologist **Franc Potočnik** with the description of the troglobiotic species *Alpioniscus christiani*, collected on the island of Krk by the Austrian collembologist **Erhard Christian** (POTOČNIK, 1983). **Potočnik** carried out a survey of the fauna of terrestrial isopods of Yugoslavia (POTOČNIK, 1989).

Since 1970 the biospeleologist and technician from the Croatian Natural History Museum **Branko Jalžić** has collected material of terrestrial isopods from Croatia (JALŽIĆ & BOŽIČEVIĆ, 1975, KEROVEC *et al.*, 1999, JALŽIĆ, 2001). With many colleagues he established the Croatian Biospeleological Society in 1996. During biospeleological research since 1989 **Roman Ozimec** has collected terrestrial isopods (OZIMEC, 2003, OZIMEC, 2009), and assembled a great amount of references. Since the 1990s, terrestrial isopods have been collected also by **Tonći Rađa** (VUJČIĆ-KARLO & RAĐA, 2004). Through the work of the Croatian Biospeleological Society many people have become involved in the collection of cave animals, including terrestrial isopods: **Marijana Franičević**, **Tomica Rubinić**, **Hrvoje Cvitanović**, **Gordan Polić**, **Stipe Bušelić**, **Helena Bilandžija**, **Marko Lukić**, **Martina Pavlek**, **Predrag Rade**, **Ana Komečki**, **Kazimir Miculinić**, **Robert Baković**, **Vedran Jalžić**, **Fanica Kljaković Gašpić**, **Alen Kirin**, **Petra Kovač Konrad**, and some young biology students such as **Petra Bregović**, **Nikolina Raguz**, **Tamara Čuković**, **Anđela Čukušić**, **Lana Đud**, **Dajana Hmura**, **Marta Malenica**, **Petra Kutleša** and many others. Most of these samples have been examined by J. Bedek since 2000 (BEDEK *et al.*, 2000, GOTTSTEIN MATOČEC *et al.*, 2002, OZIMEC, 2004, 2005, OZIMEC & BEDEK, 2005, BEDEK 2005a, 2005b, 2007a, 2007b, JALŽIĆ *et al.*, 2007, BAKŠIĆ *et al.*, 2008, BEDEK *et al.*, 2008, OZIMEC *et al.*, 2008, LUKIĆ *et al.*, 2009), which resulted in the descriptions of two new species in 2009: *Strouhaloniscellus biokovoensis* from Mt. Biokovo (BEDEK & TAITI, 2009), and *Thaumatoniscellus speluncae* from Mt. Učka (KARAMAN *et al.*, 2009) The present paper deals with part of the results from field work carried out in the last 15 years by the Croatian Biospeleological Society and the Croatian Natural History Museum; the remaining results with descriptions of several new taxa will be published in future papers.

MATERIALS AND METHODS

This paper is based on a review of data of all available literature and on unpublished data. Cave-dwelling taxa of terrestrial isopods (troglophiles and troglobionts) are listed in this catalogue with all known locality records, both from subterranean and epigeal environment.

Unpublished data come from projects of the Croatian Biospeleological Society and the Croatian Natural History Museum on the cave fauna of Croatia. Only taxa identified to the level of species and subspecies are listed, while unidentified specimens and new species are not included. A lot of material was collected in cooperation with other organizations, especially the speleological societies: SO PDS Velebit, SO HPD Željezničar, DDSKF, SK Samobor, SK Ursus spelaeus, SU Estavela, SU Spelunka, SO PD Dubovac, SD Karlovac and the Biological Students Society BIUS. Part of the Crustacea Collection from the Croatian Natural History Museum was also examined, collected in 1883 by Adolf Jurinac, in 1902 by August Langhoffer, and by Dragutin Hirc (unknown date).

Isopods in caves were collected using tweezers in all habitats and preserved in 75% ethanol with glycerol. Micropreparations in Hoyer's medium of the most important body parts were used for identifications. The collected material has been deposited in the collections of the Croatian Biospeleological Society, the Croatian Natural History Museum, the Museo di Storia Naturale dell'Università di Firenze, Sezione di Zoologia »La Specola« in Italy, the Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Serbia and the Tonči Rađa private collection. The collection of the Croatian Biospeleological Society has been deposited in the Croatian Natural History Museum.

For each species the following data are quoted:

1. Ordinal number. All taxa are marked with Arabic numerals. Taxa that are only doubtfully present in Croatia are not marked with a number.
2. Taxa names. Taxonomic arrangement and nomenclature follows SCHMALFUSS (2003).
3. Synonyms.
4. Distribution.
5. Type locality. The valid name is given with original names of type localities in square brackets.
6. Ecological status. If there are no literature data, ecological status is given according to SKET (2008).
7. List of localities.
 - The valid names of the localities in Croatian language according to topographic and speleological nomenclature are included. Frequent terms for types of feature are: špilja, spilja, spila, peć, pećina = cave; jama, jametina, rupa = pit; kaverna = cavern; ledenica = ice cave; snježnica = snow cave; izvor špilja = spring cave; ponor = sinkhole; pukotina = crevice; sustav = cave system; rudnik = mine.
 - Localities are listed by level of precision of given locality (the most precise localities are at the beginning), then by alphabetical order of UTM grid squares, then by alphabetical order of the name of the locality. Misidentifications, doubtful data and misinterpreted data are placed at the end of the table.

- The UTM grid with squares of a 10×10 km is used. Data are taken from the UTM 1:500000 map of the world. If it is not established in which UTM square the feature is located, when possible the UTM reference for a 100×100 km field is given.
 - The macroregion reference according to ROGLIĆ (1974) is given.
 - Source of the record is given.
8. Species names used in cited literature, whether they are misidentifications or misprints, are listed below the table with listed localities.
 9. The Croatian distribution of each species is mapped using the 10×10 km UTM grid squares on the map of Croatian territory with macroregions according to ROGLIĆ (1974) (Fig. 1). The other less precise localities are not mapped, except if they are distant from other localities of that taxa. The localities for which the 10×10 km UTM square is precise are marked with a circle or triangle and localities for which the 10×10 km UTM square is not precise are marked with a transparent square.
 10. Locality names used in the references with their present real name are listed by alphabetical order in Appendix 1. In Appendix 2 collection records with collector(s) and dates are given. All localities with their present real name are listed in alphabetical order in Appendix 3.

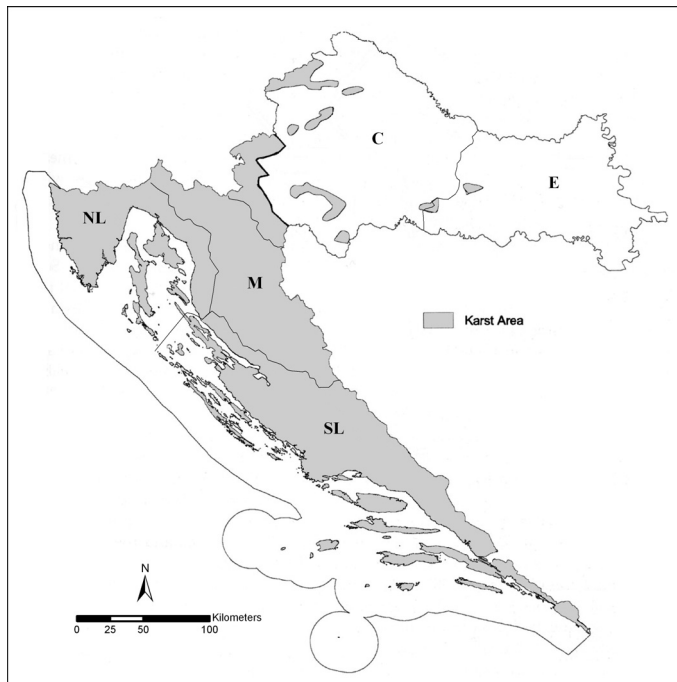


Fig. 1. Croatian macroregions defined according to ROGLIĆ (1974) with the distribution of karst areas according to GOTTSTEIN MATOČEC *et al.* (2002). The Dinaric karst is divided with a thick line. E (Eastern Croatia); C (Central Croatia); M (Mountainous Croatia); NL (Northern Croatian Littoral); SL (Southern Croatian Littoral).

RESULTS

MESONISCIDAE

1. *Mesoniscus graniger* (Frivaldsky, 1865) (Tab. 1, Fig. 2)

- Synonyms: *Titanethes graniger* Frivaldsky, 1865; *M. alpicola meridionalis* Chappuis, 1944; *M. alpicola vulgaris* Chappuis, 1944; *M. histrianorum* Arcangeli, 1939; *M. prenjanus* Arcangeli, 1939; *M. triangulifer* (Verhoeff, 1930); *Nematoniscus illyricus* Verhoeff, 1933; *N. prenjanus* (Verhoeff, 1901); *N. triangulifer* Verhoeff, 1930; *Schiödтия graniger* (Frivaldsky, 1865); *Titanethes graniger* Heller, 1858; *Trichoniscus prenjanus* Verhoeff, 1901
- Distribution: Slovenia, Serbia, Bosnia and Herzegovina, Slovakia, Romania (SCHMALFUSS, 2003); Croatia (ARCANGELI, 1939a)
- Type locality: Baradla barlang (cave system), Aggtelek, Hungary [Aggteleki barlang (FRIVALDSKY, 1865)]
- Ecological status: In caves, but also under big rocks in deep soil (GIURGINCA, 2009); troglomorphic

Tab. 1. List of recorded localities for *Mesoniscus graniger*

Locality	UTM	Region	Source
Jastrebrina (cave), Frketić Selo, Novigrad na Dobri, Karlovac	WL33	C	CBSS collection 1
Jama bijele sige (cave), Ponikve, Gornji Stenjevac, Medvednica, Zagreb	WL67	C	CBSS collection 2 BEDEK, 2007b
Petnaestica (cave), Ponikve, Gornji Stenjevac, Medvednica, Zagreb	WL67	C	CBSS collection 3 BEDEK, 2007b
Veternica (cave), Gornji Stenjevac, Medvednica, Zagreb	WL67	C	CBSS collection 4 BEDEK, 2007b
Francuski rudnik IV (mine), Sljeme, Medvednica, Zagreb	WL87	C	CBSS collection 5 BEDEK, 2007b
Medvednica (cave), Horvatove stube, Medvednica, Zagreb	WL87	C	CBSS collection 6 BEDEK, 2007b
Rudnik Zrinski (mine), Sljeme, Medvednica, Zagreb	WL87	C	CBSS collection 7 BEDEK, 2007b
Velika peć (cave), Kašina, Medvednica, Zagreb	WL88	C	CBSS collection 8 BEDEK, 2007b
Rudnik Kraševski zvirni (mine), Lipovje, Prigorec, Ivanščica, Ivanec	WM81	C	CBSS collection 9
Gradusa (cave), Sjeverovac, Petrinja, Banovina	XL12	C	CBSS collection 10
Bijeli bunar (spring cave), Voćin	XL95	E	CBSS collection 11 BEDEK, 2007b
Luda buža (endogean), Papuk, Velika, Papuk	YL04	E	CBSS collection 12 BEDEK, 2007b
Medvjedi brlog (cave), Papuk, Velika, Papuk	YL04	E	CBSS collection 13 BEDEK, 2007b
Uviraljka (endogean), Papuk, Velika, Papuk	YL04	E	CBSS collection 14
Jama iznad Jezerca (cave), Jezerac, Jankovac, Velika, Papuk	YL14	E	CBSS collection 15
Jama na Bilu (cave), Bilo, Velika, Papuk	YL14	E	CBSS collection 16
Jančikin guz (cave), Jankovac, Velika, Papuk	YL14	E	CBSS collection 17 BEDEK, 2007b
Jelenova špilja (cave), Jankovac, Velika, Papuk	YL14	E	CBSS collection 18
Sedrena 1 kod slapa Skakavac (cave), Jankovac, Velika, Papuk	YL14	E	CBSS collection 19

Učka (endogean)	VL	NL	ARCANGELI, 1939a*
			GRUNER & TABACARU, 1963**
			GIURGINCA, 2009**
MISINTERPRETED LOCALITIES			
Jajce, Bosnia and Herzegovina			GIURGINCA, 2009
Račiška pečina (cave, Slovenian cave cadastre no. 942), Račice, Račice, Starod, Slovenia			BEDEK <i>et al.</i> , 2006
			GIURGINCA, 2009

*Monte Maggiore is most probably Učka Mt. in Istria, as indicated by the species name (*M. histrianorum*, junior synonym of *M. graniger*)

**In this paper the locality is placed in Italy, Julian Alps instead in Istria, Croatia.

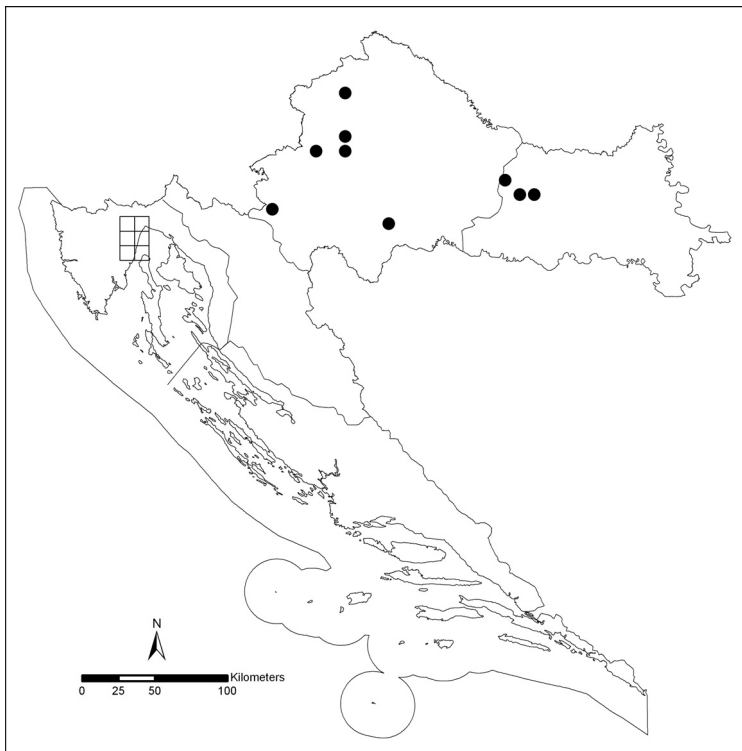


Fig. 2. Croatian distribution of *Mesoniscus graniger*.

TRICHONISCIDAE: TRICHONISCINAE

2. *Androniscus dentiger* Verhoeff, 1908 (Tab. 2, Fig. 3)

Synonyms: *Androniscus africanus* Arcangeli, 1939; *A. alpinus* Verhoeff, 1908; *A. carli* Strouhal, 1929; *A. weberi* Verhoeff, 1908; *Itea dentigera* (Verhoeff, 1908); *Stenasellus hazeltoni* (Collinge, 1946); *Trichoniscus dentiger* (Verhoeff, 1908), *Androniscus dentiger croaticus* Strouhal, 1939

- Distribution: Europe and North Africa, often synanthropically, also known from greenhouses in North America (SCHMALFUSS, 2003)
- Type locality: Santa Margherita, Liguria; Massa; Carrara and Forno, Tuscany, Italy [...westlich der Apenninen bei S. Margherita... bei Massa und Carrara, oberhalb Massa ... bei Forno in den apuanischen Bergen (VERHOEFF, 1908)]
- Ecological status: Endogean to troglophilic species (VANDEL, 1960b)
- Note: According to VANDEL (1960a) and examined specimens from its type locality, the subspecies *A. d. croaticus* Strouhal, 1939 is a junior synonym of *A. d. dentiger*.

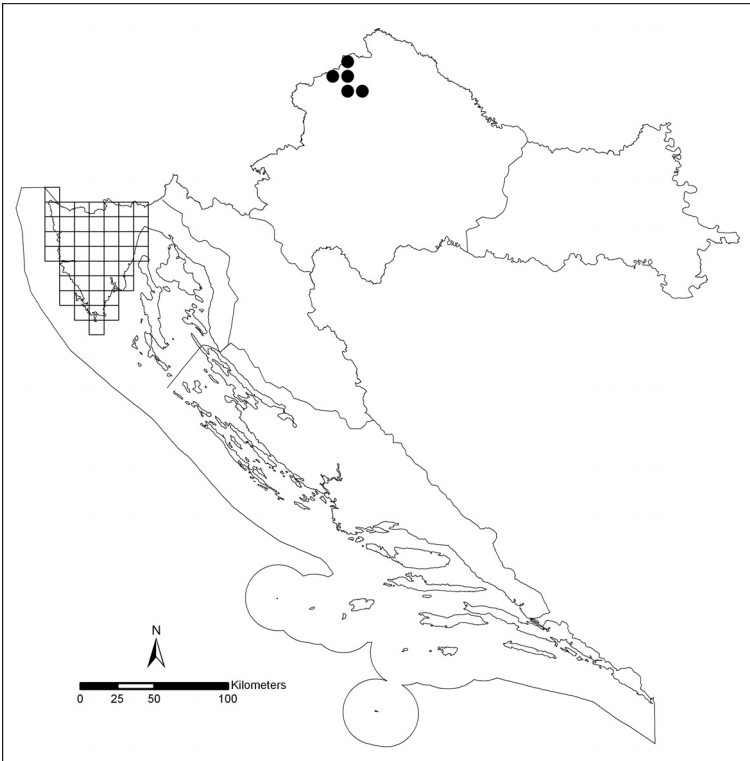


Fig. 3. Croatian distribution of *Androniscus dentiger*.

Tab. 2. List of recorded localities for *Androniscus dentiger*

Locality	UTM	Region	Source
Cimerjanka (cave), Cimerplac, Lepoglava, Ravna gora	WM72	C	CBSS collection 20
Duplja (cave), Male Pećine, Bednjica, Klenovnik, Ravna gora	WM72	C	CBSS collection 21
Ledenica (cave), Male Pećine, Bednjica, Lepoglava, Ravna gora	WM72	C	CBSS collection 22
Rudnik u Velikoj Sotinskoj (mine), Velika Sotinska, Lepoglava, Ravna gora	WM72	C	CBSS collection 23
Špilja kod Dobre vode (cave), potok Kamenica, Lepoglava, Ravna gora	WM72	C	CBSS collection 24

Velika špilja (cave), Veliki Goranec, Klenovnik, Ravna gora	WM72	C	CBSS collection 25
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939d
			ARCANGELI, 1940
			KARAMAN, 1966
BEDEK <i>et al.</i> , 2006			
Vihra (cave), potok Kamenica, Lepoglava, Ravna gora	WM72	C	CBSS collection 26
Vila (cave), Pintarići, Kameničko Podgorje, Klenovnik, Ravna gora	WM72	C	CBSS collection 27
Hanžekova špilja (cave), Belec grad, Ivanščica, Zlatar	WM81	C	CBSS collection 28
Jama ispod Belec grada (cave), Belec grad, Ivanščica, Zlatar	WM81	C	CBSS collection 29
Cerjanska špilja (cave), Klenovnik, Ravna gora	WM82	C	CBSS collection 30
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939d
			ARCANGELI, 1940
			KARAMAN, 1966
Cinkalica 1 (cave), Kuča gora, Žakli, Veliki Goranec, Klenovnik	WM82	C	CBSS collection 31
Cinkalica 3 (cave), Lepoglava, Ravna gora	WM82	C	CBSS collection 32
Goranska Klepa (cave), Lepoglava, Ravna gora	WM82	C	CBSS collection 33
Kukelj sjever (cave), Kukelj, Galinci, Lepoglava, Ravna gora	WM82	C	CBSS collection 34
Špilja pod Butinom (cave), Mala Sotinska, Klenovnik, Lepoglava, Ravna gora	WM82	C	CBSS collection 35
Vindija (cave), Zlogonje, Klenovnik, Ravna gora	WM82	C	CBSS collection 36
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939d
			ARCANGELI, 1940
			KARAMAN, 1966
Zdenec pri Ciglaru (cave), Ciglar, Klenovnik, Ravna gora	WM82	C	CBSS collection 37
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939d
			STROUHAL, 1939e
			ARCANGELI, 1940
KARAMAN, 1966			
Plitvička špilja (cave), Plitvica, Peščenica Vinička, Vinica	WM83	C	CBSS collection 38
Školjkača (cave), Plitvica, Peščenica Vinička, Vinica	WM83	C	CBSS collection 39
Cingulica pod Židovinom (cave), Židovina, Mikulčići Gornji, Ivanščica, Zlatar	WM91	C	CBSS collection 40
From SE Italy to the Cetina region			STROUHAL, 1940a
Istria		NL	STROUHAL, 1939d
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Croatia			FRANKENBERGER & STROUHAL, 1940
			VANDEL, 1960a
			SCHMÖLZER, 1965a
			POTOČNIK, 1989

¹ *Trichoniscus roseus*

3. *Androniscus roseus buccariensis* Verhoeff, 1930 (Tab. 3, Fig. 4)

Distribution: Slovenia, Croatia (POTOČNIK, 1989)

Type locality: Uvala kod Bakra (bay), Bakar, Hrvatsko primorje, Croatia [Bucht von Bucari (VERHOEFF, 1930)]

Ecological status: Troglomorphic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 3. List of recorded localities for *Androniscus roseus buccariensis*

Locality	UTM	Region	Source
Vrana (lake), Cres	VK56	NL	VERHOEFF, 1938
			KARAMAN, 1966
Špilja iznad ceste (cave), brodogradilište V. Lenac, Kostrena, Rijeka	VL51	NL	CBSS collection 41
Bunker blizu uvale Perilo (bunker), Perilo, Kostrena, Rijeka	VL61	NL	CBSS collection 42
			LUKIĆ <i>et al.</i> , 2011
Rudnik iznad uvale Martinščica (mine), Martinščica, Kostrena, Rijeka	VL61	NL	CBSS collection 43
			LUKIĆ <i>et al.</i> , 2011
Špilja u uvali Svežanj (cave), uvala Svežanj, Paveki, Bakar	VL61	NL	CBSS collection 44
			LUKIĆ <i>et al.</i> , 2011 ¹
Urinjska špilja (cave), Urinj, Kostrena, Rijeka	VL61	NL	CBSS collection 45
			LUKIĆ <i>et al.</i> , 2011 ¹
Uvala kod Bakra (bay), Bakar	VL61	NL	VERHOEFF, 1930
			STROUHAL, 1938
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Cres		NL	FRANKENBERGER & STROUHAL, 1940
			VERHOEFF, 1940
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			VERHOEFF, 1931c
			SCHMÖLZER, 1965a
			POTOČNIK, 1989
			KARAMAN & ČEMERLIĆ, 2002

¹ *Androniscus* sp.

4. *Androniscus roseus histrianorum* (Arcangeli, 1932) (Tab. 4, Fig. 4)

Synonyms: *Trichoniscus roseus histrianorum* Arcangeli, 1932; *Androniscus histrianorum* (Arcangeli, 1932)

Distribution: Croatia (POTOČNIK, 1989)

Type locality: Špilja na Gradini kod Premanture (cave), Premantura, Pula, Istria, Croatia [caverna presso Promontore, dintorini di Pola, Istria (ARCANGELI, 1932)]

Ecological status: Troglomorphic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 4. List of recorded localities for *Androniscus roseus histrianorum*

Locality	UTM	Region	Source
Špilja na Gradini kod Premanture (cave), Premantura, Pula	VK16	NL	CBSS collection 46
			ARCANGELI, 1932
			ARCANGELI, 1938
			WOLF, 1938
			FRANKENBERGER & STROUHAL, 1940
			GOTTSTEIN <i>et al.</i> , 2001
From SE Italy to the Cetina region			BEDEK <i>et al.</i> , 2006
Croatia			STROUHAL, 1940a
			POTOČNIK, 1989

5. *Androniscus roseus ocellatus* (Kesselyak, 1930) (Tab. 5, Fig. 4)

Synonyms: *Androniscus stygius ocellatus* Kesselyak, 1930

Distribution: Croatia (KESSELYAK, 1930)

Type locality: Velebit?, Croatia [in Kroatien, vermutlich im Velebitgebirge (KESSELYAK, 1930)]

Ecological status: unknown

Tab. 5. List of recorded localities for *Androniscus roseus ocellatus*

Locality	UTM	Region	Source
Velebit?		NL?	KESSELYÁK, 1930
			ARCANGELI, 1938

6. *Androniscus roseus roseus* (C. Koch, 1838) (Tab. 6, Fig. 4)

Synonyms: *Itea rosea* C. Koch, 1838; *Trichoniscus roseus* (C. Koch, 1838); *T. roseus* var. *nanus* Carl, 1908; *Androniscus carynthiacus* Verhoeff, 1908; *Trichoniscus* (*Androniscus*) *carynthiacus* (Verhoeff, 1908); *Philougría rosea* (C. Koch, 1838)

Distribution: From eastern France to Romania, north to southern Germany (not in Bulgaria and Greece) (SCHMALFUSS, 2003)

Type locality: Germany [Deutschlands (C. KOCH, 1838)]

Ecological status: Troglophilic (STROUHAL, 1940a)

Tab. 6. List of recorded localities for *Androniscus roseus roseus*

Locality	UTM	Region	Source
Porto Madonna (cave), Savudrija	UL83	NL	VERHOEFF, 1929b
			WOLF, 1938
Druška peć (cave), Mošćenička draga, Potoki, Lovran	VL41	NL	CBSS collection 47
Oporovina (cave), Oraji, Tuliševica, Učka, Lovran	VL41	NL	CBSS collection 48
Vele vode (sinkhole), Crni Lug	VL73	M	CBSS collection 49

Oteška pećina (cave), Perušić, Gospić	WK34	M	LANGHOFFER, 1912
			LANGHOFFER, 1915b
			CSIKI, 1926
			WOLF, 1938
Sušik (sinkhole), Drežničko polje, Drežnica, Velika Kapela	WL00	M	CBSS collection 50
Hajdučka pećina (cave), Bistrac, Gornje Dubrave, Ogulin	WL21	M	LANGHOFFER, 1915a
Izvor špilja kod Trošmarije (cave), kanjon Dobre, Trošmarija, Ogulin	WL21	M	CBSS collection 51
Sušica (sinkhole), Rebića Glavica, Generalski Stol	WL21	M	CBSS collection 52
Tounjčica (cave), Kanjon Tounjčice, Tounj	WL21	M	CBSS collection 53
Bibička špilja (cave), kanjon Ribnjaka, Munjasi, Trošmarija	WL22	M	CBSS collection 54
Danetska pećina (cave), kanjon Dobre, Dani, Bosiljevo	WL22	M	CBSS collection 55
Dragina pećina na Dobri (cave), kanjon Dobre, Grabrk, Trošmarija, Karlovac	WL22	M	CBSS collection 56
Đukina velika špilja (cave), kanjon Ribnjaka, Trošmarija, Karlovac	WL22	M	CBSS collection 57
Špilja kod Podumolskog mlina (cave), kanjon Dobre, Podumol, Bosiljevo	WL22	M	CBSS collection 58
Špilja kod slapa kod Kasunića (cave), kanjon Dobre, Kasunići, Generalski Stol	WL22	M	CBSS collection 59
Špilja u kanjonu Dobre ispod Podjaksčića (cave), kanjon Dobre, Podjaksčići, Generalski Stol	WL22	M	CBSS collection 60
Cepinka (cave), Boići, Sošice, Žumberak	WL26	C	CBSS collection 61
Jama u Vrloj strani (cave), Gudalji Radatovići, Žumberak	WL26	C	CBSS collection 62
Pušina (cave), Jezernice, Sošice, Žumberak	WL26	C	CBSS collection 63
Ledenička špilja (cave), Rebrovići, Tounj	WL31	M	LANGHOFFER, 1915a
Lipa na Protulipi (cave), Starešinići, Protulipa, Bosiljevo	WL32	C	CBSS collection 64
Jastreбина (cave), Frketić Selo, Novigrad na Dobri, Karlovac	WL33	C	CBSS collection 65
Jama pod Gradom (cave), Dugi vrh, Cerovica, Krašić, Žumberak	WL35	C	CBSS collection 66
Ozaljska špilja (cave), Ozalj, Karlovac	WL35	C	LANGHOFFER, 1912
			CSIKI, 1926
			WOLF, 1938
Stankova špilja (cave), kanjon Kupe, Kamanje, Ozalj, Karlovac	WL35	C	CBSS collection 67
Vrlovka (cave), kanjon Kupe, Kamanje, Ozalj, Karlovac	WL35	C	CBSS collection 68
Špilja pod Vrajnim stijenama (cave), Tomaševci, Sošice, Žumberak	WL36	C	CBSS collection 69
Vranjačka špilja (cave), Slapnica, Medven Draga, Krašić, Žumberak	WL36	C	CBSS collection 70
Židovske kuće (cave), Cerovica, Sošice, Žumberak	WL37	C	CBSS collection 71
Dvogaća (cave), Ponikve, Glavica, Zagreb, Medvednica	WL67	C	CBSS collection 72
Horvatove stube (soil), Sljeme, Zagreb, Medvednica	WL78	C	CBSS collection 73
Croatia			PAOLETTI, 1978

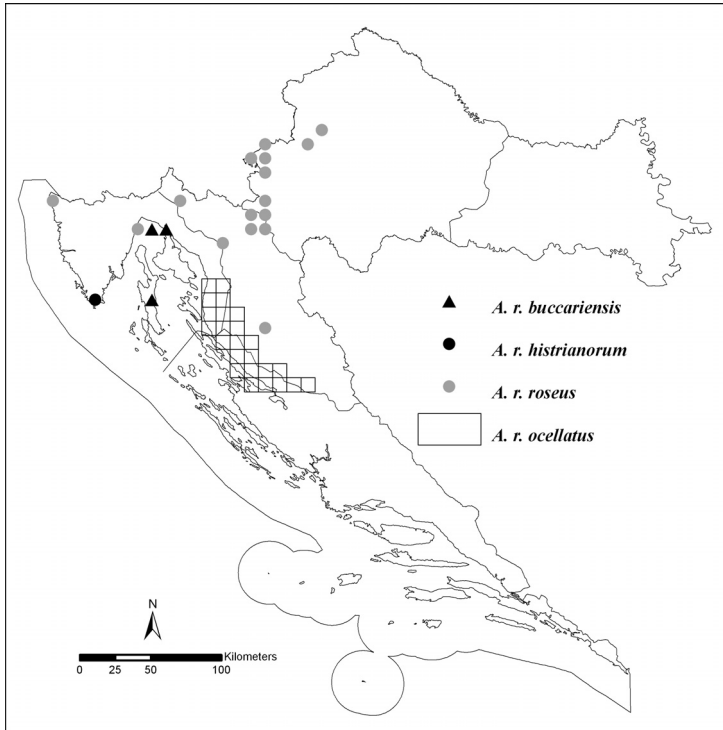


Fig. 4. Croatian distribution of *Androniscus roseus*.

7. *Androniscus stygius microcavernicolus* Kesselyak, 1931
(Tab. 7, Fig. 5)

- Synonyms: *Androniscus roseus microcavernicolus* Kesselyak, 1931; *A. microcavernicolus* Kesselyak, 1931
- Distribution: Croatia (POTOČNIK, 1989) [in this paper the author considers this subspecies to be present also in Slovenia, but he does not confirm this in a subsequent review (POTOČNIK, 1992). No further records for Slovenia are known].
- Type locality: Špilja na Učki (cave), Lovran, Učka, Istria, Croatia [namenlosen Höhle an dem Monte Maggiore (Istrien) (KESSELYAK, 1931)]
- Ecological status: This subspecies has been considered to be troglomorphic (STROUHAL, 1940a; BUTUROVIĆ, 1957), but since all specimens were collected only deep in caves and are depigmented and blind, we prefer to consider this taxon as troglomorphic.

Tab. 7. List of recorded localities for *Androniscus stygius microcavernicolus*

Locality	UTM	Region	Source
Jama kod crvenog gloga (cave), Mala Učka, Učka	VL31	NL	CBSS collection 74
Jama na Balaguštini (cave), Dobreč, Poklon, Učka	VL31	NL	CBSS collection 75

Mala peć (cave), Molinarska draga, Učka	VL31	NL	CBSS collection 76
Ovčja peć (cave), Molinarska draga, Učka	VL31	NL	CBSS collection 77
Petrčeva jama (cave), Petrc, Podmaj, Mala Učka, Učka	VL31	NL	CBSS collection 78
Rupa I (cave), Podmaj, Mala Učka, Učka	VL31	NL	CBSS collection 79
Rupa II (cave), Podmaj, Mala Učka, Učka	VL31	NL	CBSS collection 80
Topolska peć (cave), Topol, Poklon, Učka	VL31	NL	CBSS collection 81
Jama ispod Tominićevog brega (cave), Tominićev breg, Brest pod Učkom, Lupoglav, Čičarija	VL32	NL	CBSS collection 82
Klanjčeva peć (cave), Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 83
Pećina na Crekvici 1 (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 84
Pećina poli Vrtića (cave), Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 85
Jama pod Velikim Knezgradom (cave), Veliki Knezgrad, Tuliševica, Lovran, Učka	VL41	NL	CBSS collection 86
Jama na Mahencu 2 (cave), Mahenac, Veprinac, Opatija	VL42	NL	CBSS collection 87
Jama u Velim Sapcima 3 (cave), Mahenac, Veprinac, Opatija	VL42	NL	CBSS collection 88
Pećina kod sela Puhari (cave), Puhari, Veprinac, Opatija	VL42	NL	CBSS collection 89
Špilja na Učki (cave), Učka	VL	NL	KESSELYÁK, 1931
			ARCANGELI, 1938
			WOLF, 19381
			FRANKENBERGER & STROUHAL, 1940
			SCHMÖLZER, 1965a
			KARAMAN, 1966
			GOTTSTEIN <i>et al.</i> , 2001
			SCHMIDT & LEISTIKOW, 2004
			BEDEK <i>et al.</i> , 2006
JALŽIĆ <i>et al.</i> , 2010			
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			POTOČNIK, 1989

8. *Androniscus stygius stygius* (Nemec, 1897) (Tab. 8, Fig. 5)

- Synonyms: *Trichoniscus stygius* Nemec, 1897; *Androniscus cavernarum* Verhoeff, 1908
 Distribution: SE-Austria, NE-Italy, Slovenia (SCHMALFUSS, 2003); Croatia (POTOČNIK, 1989)
 Type locality: Grotta dell'Orso (cave, Friuli Venezia Giulia cadastre no. 33, historical cadastre no. 7/VG), Trieste, Italy [Gabroviza-Grotte (NEMEC, 1897)]
 Ecological status: This subspecies has been considered to be troglophilic (STROUHAL, 1940a; BUTUROVIĆ, 1957), but since all specimens were collected deep in caves and are depigmented and blind, we prefer to consider this taxon as troglotibiotic.

Tab. 8. List of recorded localities for *Androniscus stygius stygius*

Locality	UTM	Region	Source
Vidovića špilja (cave), Drežničko polje, Drežnica, Velika Kapela, Ogulin	WL00	M	CBSS collection 90
Đulin ponor – Medvedica (cave system), Ogulin	WL11	M	CBSS collection 91
Jama 3 (cave), Malik, Kuštrovka, Trošmarija	WL12	M	CBSS collection 92
Jama na Bertiji 1 (cave), Bertija, Malik, Kuštrovka, Trošmarija	WL12	M	CBSS collection 93
Jama na Bertiji 2 (cave), Bertija, Malik, Kuštrovka, Trošmarija	WL12	M	CBSS collection 94
Kuštrovka (cave), Kuštrovka, Trošmarija	WL12	M	CBSS collection 95
Ambarac (sinkhole), Oštarije, Ogulin	WL20	M	CBSS collection 96
Mandelaja (cave), Oštarije, Ogulin	WL20	M	CBSS collection 97
Špilja u Mekoti (cave), Košare, Tounj	WL20	M	CBSS collection 98
Gugečka pećina (cave), Gornje Dubrave, Tounj	WL21	M	CBSS collection 99
Hajdučka pećina (cave), Bistrac, Gornje Dubrave, Ogulin	WL21	M	CBSS collection 100
Mikašinića špilja (cave), Bistrica, Mikašinići, Gornje Dubrave, Tounj	WL21	M	CBSS collection 101
Pećina u Gugečkom usjeku (cave), Gornje Dubrave, Tounj	WL21	M	CNHM collection 1
			CBSS collection 102
Perčevića špilja (cave), Kanjon Tounjčice, Tounj	WL21	M	CBSS collection 103
Sušica (sinkhole), Rebića Glavica, Generalski Stol	WL21	M	CBSS collection 104
Šutovačka pećina (cave), kanjon Dobre, Trošmarija	WL21	M	CBSS collection 105
Tamnica (cave), Potok Tounjski, Tounj	WL21	M	CBSS collection 106
Tounjčica (cave), Kanjon Tounjčice, Tounj	WL21	M	CBSS collection 107
Vrelić (cave), Donje Dubrave, Generalski Stol	WL21	M	CBSS collection 108
Bibička špilja (cave), kanjon Ribnjaka, Munjasi, Trošmarija	WL22	M	CBSS collection 109
Jama II kod Kolića (cave), Kolići, Generalski Stol	WL22	M	CBSS collection 110
Jama kod Kasunića (cave), Kasunići, Generalski Stol	WL22	M	CBSS collection 111
Jama pod Gradanom (cave), Kolići, Generalski Stol	WL22	M	CBSS collection 112
Jama u kanjonu Dobre ispod Grabrka (cave), kanjon Dobre, Podumol, Bosiljevo	WL22	M	CBSS collection 113
Ledenica u Špeharima (cave), Špehari, Bosiljevo	WL22	M	CBSS collection 114
Paveća špilja (cave), kanjon Dobre, Soline, Bosiljevo	WL22	M	CBSS collection 115
Špilja u kanjonu Dobre ispod Podjakašića (cave), kanjon Dobre, Podjakašići, Generalski Stol	WL22	M	CBSS collection 116
Vodena jama (cave), Kolići, Generalski Stol	WL22	M	CNHM collection 2
Žučki (cave), Čažinka, Generalski Stol	WL22	M	CBSS collection 117
Ledenička špilja (cave), Rebrovići, Tounj	WL31	M	CBSS collection 118
Lipa na Protulipi (cave), Starešinići, Protulipa, Bosiljevo	WL32	C	CBSS collection 119
Vrlovka (cave), kanjon Kupe, Kamanje, Ozalj, Karlovac	WL35	C	CBSS collection 120
Croatia			ARGANO <i>et al.</i> , 1982

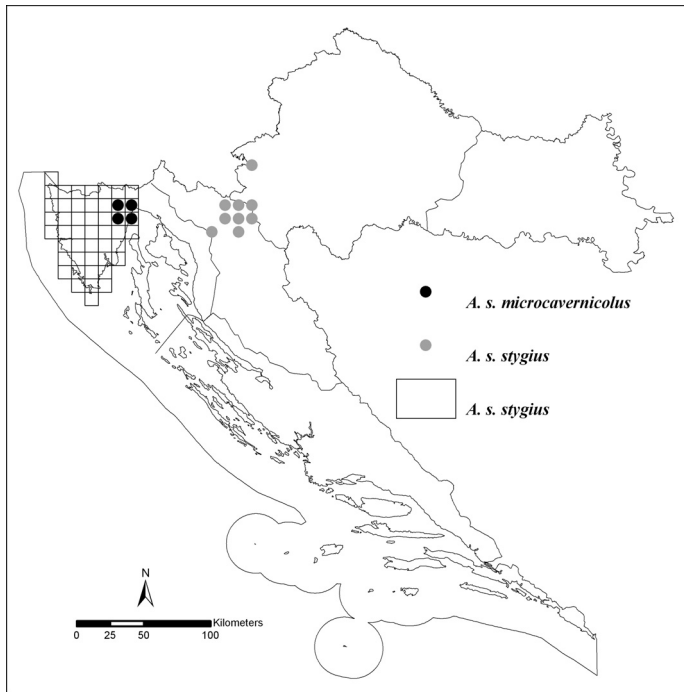


Fig. 5. Croatian distribution of *Androniscus stygius*.

9. *Androniscus wolffi* Strouhal, 1939 (Tab. 9, Fig. 6)

Synonyms: *Androniscus dentiger wolffi* Strouhal, 1939

Distribution: Croatia (POTOČNIK, 1989)

Type locality: Vlaška peć (cave), Kozica, Senj, Hrvatsko primorje, Croatia [Vlaška Pećina bei Novi; BB Nr. 551 (STROUHAL, 1939d)]

Ecological status: Troglomorphic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Note: After examination of specimens from the type locality, *A. wolffi* is a valid species belonging to the subgenus *Roseoniscus* and not *Dentigeroniscus*, as already stated by VANDEL (1960a).

Tab. 9. List of recorded localities for *Androniscus wolffi*

Locality	UTM	Region	Source
Vlaška peć (cave), Kozica, Senj	VK99	NL	CNHM collection 3
			STROUHAL, 1939d
			FRANKENBERGER & STROUHAL, 1940
			ARCANGELI, 1940
			KARAMAN, 1966
			GOTTSTEIN <i>et al.</i> , 2001
			VUJČIĆ-KARLO & RAĐA, 2004
Mokrača (cave), Paklenica, Starigrad, Velebit	WK41	SL	BEDEK <i>et al.</i> , 2006
			CBSS collection 121

Southern Velebit, Velebit			BEDEK <i>et al.</i> , 2000
National Park Paklenica, Velebit			VUJČIĆ-KARLO & RADA, 2004 ¹
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			SCHMÖLZER, 1965a
			POTOČNIK, 1989

¹ *Androniscus cf. wolfi*

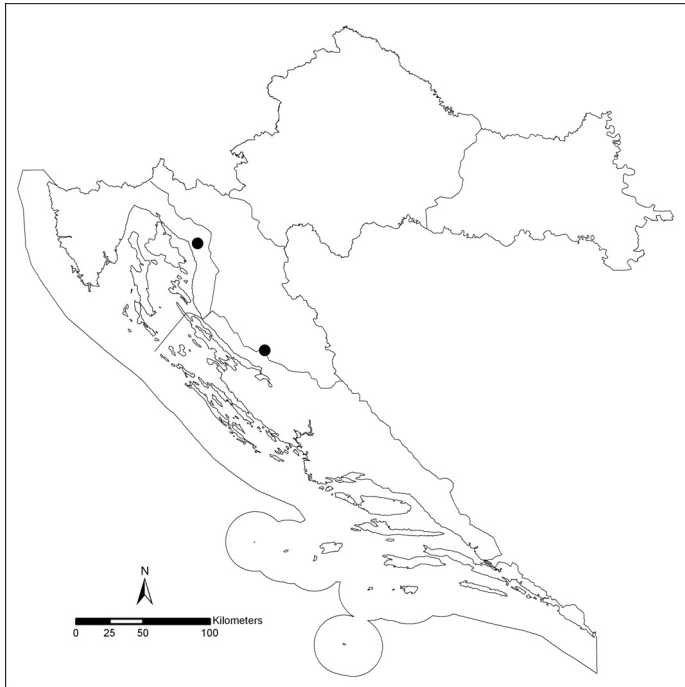


Fig. 6. Distribution of *Androniscus wolfi*.

10. *Aegonethes antilocapra* Frankenberger, 1938 (Tab. 10, Fig. 7)

Distribution: Croatia: the islands of Korčula and Vis (SCHMALFUSS, 2003)

Type locality: Tabaina špilja (cave), Vela Luka, the island of Korčula; Špilja pod Humom (cave), Komiža, the island of Vis; Caretova špilja (cave), Vis, the island of Vis and Špilja na Bardarovici (cave), Bardarovica, Korita, Vis, the island of Vis, Dalmatia, Croatia [Tabaina spilja, environs de la ville de Vela Luka, île de Korčula. – Špilja pod Humom, environs de la ville de Komiže, île de Vis (Lissa). – Ceretova spilja kod Visa, environs de la ville de Vis, île de Vis. – Bardarovica, environs du village Korita, île de Vis. (FRANKENBERGER, 1938a)]

Ecological status: Troglotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 10. List of recorded localities for *Aegonethes antilocapra*

Locality	UTM	Region	Source
Špilja uz cestu kod Komiže (cave), Komiža, Vis	WH86	SL	CBSS collection 122

Caretova špilja (cave), Vis, Vis	WH96	SL	FRANKENBERGER, 1938a
			KARAMAN, 1966
Kraljicina špilja (cave), Oključna, Komiža, Vis	WH96	SL	CBSS collection 123
Rupa na Ribinovoj bandi (cave), Ribinova banda, Kostirna, Vis, Vis	WH96	SL	CBSS collection 124
Špilja na Bardarovici (cave), Bardarovica, Korita, Vis, Vis	WH96	SL	GIROMETTA, 1914 ¹
			FRANKENBERGER, 1938a
			KARAMAN, 1966
Špilja od Vore (cave), Kostirna, Vis, Vis	WH96	SL	CNHM collection 4
Špilja pod Humom (cave), Komiža, Vis	WH96	SL	FRANKENBERGER, 1938a
			KARAMAN, 1966
Tanki rot (cave), Podhumlje, Komiža, Vis	WH96	SL	CBSS collection 125
Veliki rudnik (mine, cave), Kostirna, Vis, Vis	WH96	SL	CBSS collection 126
Tabaina špilja (cave), Vela Luka, Korčula	XH45	SL	CBSS collection 127
			FRANKENBERGER, 1938a
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
			BEDEK <i>et al.</i> , 2006
Vis		SL	OZIMEC, 2010
			FRANKENBERGER & STROUHAL, 1940

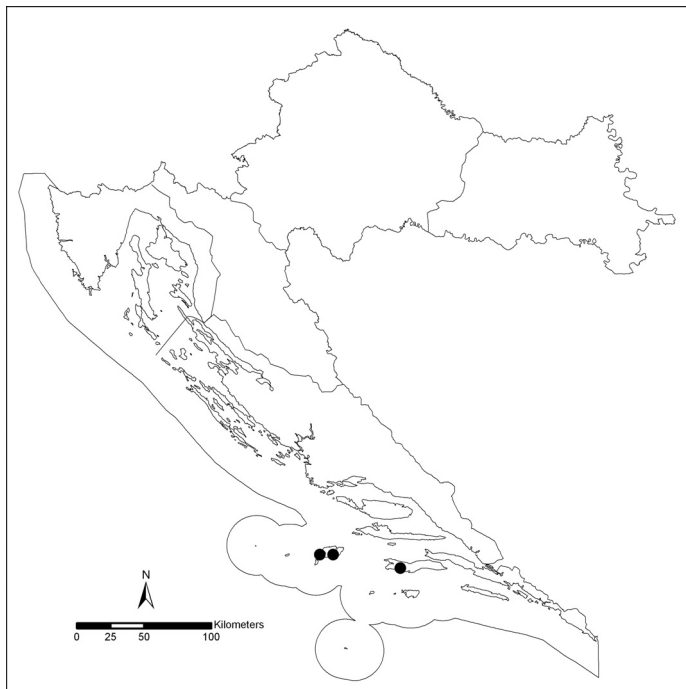


Fig. 7. Distribution of *Aegonethes antilocapra*.

Korčula and Vis		SL	STROUHAL, 1939a
			SCHMÖLZER, 1965a
			TABACARU, 1996
			GOTTSTEIN <i>et al.</i> , 2001
			GOTTSTEIN MATOČEC <i>et al.</i> , 2002
			SCHMALFUSS, 2003
From the Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

¹ *Titanethes albus*

11. *Aegonethes cervinus* (Verhoeff, 1931) (Tab. 11, Fig. 8)

Synonyms: *Illyrionethes cervinus* Verhoeff, 1931

Distribution: Italy: Gargano, Croatia: Dubrovnik and the islands of Korčula and Mljet (SCHMALFUSS, 2003)

Type locality: Pišurka (cave), Korčula, the island of Korčula, Dalmatia, Croatia [Paganetti-Höhle auf der dalmatinischen Insel Curzola (VERHOEFF, 1931a, b)]

Ecological status: Troglotibiotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 11. List of recorded localities for *Aegonethes cervinus*

Locality	UTM	Region	Source
Garden of Biological Institute Lapad (endogean?), Lapad, Dubrovnik	BN52	SL	BUTUROVIĆ, 1955b KARAMAN, 1966
Karle (cave), Gruž, Dubrovnik	BN62	SL	STROUHAL, 1939a STROUHAL, 1939e ARCANGELI, 1947 KARAMAN, 1966
Đurovića špilja (cave), Đurovići, Cavtat, Konavle	BN71	SL	CBSS collection 128 STROUHAL, 1939a STROUHAL, 1939e ARCANGELI, 1947 KARAMAN, 1966
Šipun (cave), Cavtat, Dubrovnik	BN71	SL	STROUHAL, 1939a STROUHAL, 1939e ARCANGELI, 1947 KARAMAN, 1966
Hrastovska špilja (cave), Hrastovsko polje, Lastovo, Lastovo	XH53	SL	CBSS collection 129 OZIMEC <i>et al.</i> , 2008
Jama pod Velji vrh (cave), Velji vrh, Lastovo, Lastovo	XH53	SL	CBSS collection 130 OZIMEC <i>et al.</i> , 2008
Medviđa ropa (cave), Skrivena Luka, Lastovo	XH53	SL	CBSS collection 131 OZIMEC <i>et al.</i> , 2008
Rača (cave), Radaš do, Skrivena Luka, Lastovo	XH53	SL	CBSS collection 132 OZIMEC <i>et al.</i> , 2008
Špilja na Pozalicu (cave), Pržina, Skrivena Luka, Lastovo	XH53	SL	CBSS collection 133 OZIMEC <i>et al.</i> , 2008
Špilja pod Kaštel (cave), Kaštel, Lastovo, Lastovo	XH53	SL	CBSS collection 134 OZIMEC <i>et al.</i> , 2008

Jama na Odvoru (cave), Strmena strana, Račišće, Korčula	XH66	SL	CBSS collection 135
Samograd (cave), Račišće, Korčula	XH66	SL	CBSS collection 136
Jakasova špilja (cave), Glava, Rasohatica, Žrnovo, Korčula	XH75	SL	CBSS collection 137
Jama pod Kolač (cave), Vučja, Postrane, Žrnovo, Korčula	XH75	SL	CBSS collection 138
Pišurka (cave), Korčula, Korčula	XH75	SL	CBSS collection 139
			VERHOEFF, 1931a
			VERHOEFF, 1931b
			FRANKENBERGER, 1938a
			STROUHAL, 1938
			STROUHAL, 1939a
			FRANKENBERGER & STROUHAL, 1940
			ARCANGELI, 1947
			KARAMAN, 1966
			ARGANO <i>et al.</i> , 1982
SCHMIDT & LEISTIKOW, 2004			
BEDEK <i>et al.</i> , 2006			
OZIMEC, 2010			
Jama na Brekalcima (cave), Polače, Mljet	XH93	SL	CNHM collection 5 CBSS collection 140
Jama u Velikom Desajdubu (cave), Veliki Desajdub, Polača, Mljet	XH93	SL	CNHM collection 6 CBSS collection 141
Male ponte (cave), Grabova glava, Ropa, Mljet	XH93	SL	CBSS collection 142
Špilja kod Nerezinog dola (cave), Nerezin do, Ropa, Mljet	XH93	SL	CBSS collection 143
			FRANKENBERGER, 1938a
			STROUHAL, 1939a
			ARCANGELI, 1947 KARAMAN, 1966
Špilja kod Solina (cave), Soline, Mljet	XH93	SL	CBSS collection 144
Jama za Svetim Spasom (cave), Babino Polje, Mljet	YH03	SL	CBSS collection 145
Mala špilja (cave), Blata, Mljet	YH03	SL	CBSS collection 146
Movrica (cave), Dračevac, Babino Polje, Mljet	YH03	SL	CBSS collection 147
			STROUHAL, 1939a
			STROUHAL, 1939c
			STROUHAL, 1939e ARCANGELI, 1947
Ostaševica (cave), Dračevac, Babino Polje, Mljet	YH03	SL	CBSS collection 148
			FRANKENBERGER, 1938a
			STROUHAL, 1939a
			STROUHAL, 1939e
			ARCANGELI, 1947 KARAMAN, 1966
Velika špilja (cave), Blata, Mljet	YH03	SL	CBSS collection 149
			FRANKENBERGER, 1938a
			STROUHAL, 1939a
			ARCANGELI, 1947 KARAMAN, 1966
Galičnjak (cave), Okuklje, Mljet	YH13	SL	CBSS collection 150
Jama za Svetim Ivanom (cave), Babino Polje, Mljet	YH13	SL	CBSS collection 151
Međugrađen (cave), Veliki grad, Babino Polje, Mljet	YH13	SL	CBSS collection 152

Mljet, surroundings of Dubrovnik		SL	FRANKENBERGER & STROUHAL, 1940
Korčula and Mljet		SL	SCHMÖLZER, 1965a
			TABACARU, 1996
			GOTTSTEIN <i>et al.</i> , 2001*
Korčula and Mljet, surroundings of Dubrovnik		SL	SCHMALFUSS, 2003
Mljet		SL	OZIMEC & BEDEK, 2005
From The Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

* Vis is also given, but there are no literature data for the island of Vis, so this must be a mistake.

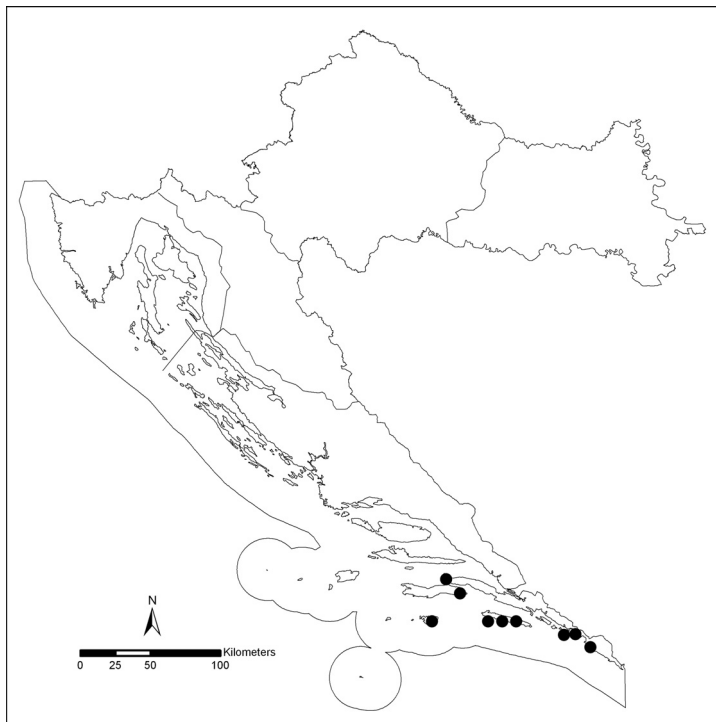


Fig. 8. Croatian distribution of *Aegonethes cervinus*.

12. *Alpioniscus balthasari* (Frankenberger, 1937) (Tab. 12, Fig. 9)

Synonyms: *Illyrionethes balthasari* Frankenberger, 1937

Distribution: Southern Croatia, Bosnia, Herzegovina (SCHMALFUSS, 2003)

Type locality: Kotluša (cave), Kotluša, Cijvljane, Vrljika, Dalmatia, Croatia [eine Höhle in der Umgebung der Stadt Knin; es ist dies jene Höhle, die in der Nähe des Dorfes Kotluša am westlichen Fusse des Dinara-Gebirges; »Höhle mit Wasser« (FRANKENBERGER, 1937)]

Ecological status: Troglotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 12. List of recorded localities for *Alpioniscus balthasari*

Locality	UTM	Region	Source
Čude (cave), Zrmanja, Obrovac	WJ59	SL	CBSS collection 153
Rastovača (cave), Zaton, Rastovac, Obrovac	WJ59	SL	CBSS collection 154
Miljacka I (cave), Krka, Oklaj, Knin	WJ67	SL	CBSS collection 155 BEDEK, 2007a
Miljacka II (cave), Krka, Oklaj, Knin	WJ67	SL	CBSS collection 156 BEDEK, 2007a
Špilja kod Mlina na Miljacki (cave), Krka, Oklaj, Knin	WJ67	SL	CBSS collection 157
Golubnjača (cave), Bukovica, Kaštel Žegarski, Obrovac	WJ68	SL	CBSS collection 158 BEDEK, 2007a
Velika pećina (cave), Gornji Čabrići, Crnopac, Velebit, Gračac	WJ69	SL	CBSS collection 159
Martina jama (cave), Krka, Skradin	WJ75	SL	CBSS collection 160 BEDEK, 2007a
Drenovača (cave), Lalića stanovi, Lalići, Krka, Kistanje	WJ76	SL	CBSS collection 161 BEDEK, 2007a
Tavnica (cave), Lalića ograde, Lalići, Krka, Kistanje	WJ76	SL	CBSS collection 162 BEDEK, 2007a
Trišića jama (cave), Lalića ograde, Lalići, Krka, Kistanje	WJ76	SL	CBSS collection 163 BEDEK, 2007a
Prčina (cave), Kistanje	WJ77	SL	CBSS collection 164 BEDEK, 2007a
Kusa nad Manastirskim lukama (cave), Krupa, Obrovac	WJ79	SL	CBSS collection 165
Stražbenica (cave), Vrpolje, Šibenik	WJ83	SL	CBSS collection 166 BEDEK, 2007a
Zvečara (cave), Perković, Sitno Donje, Šibenik	WJ83	SL	GIROMETTA, 1913 ¹ LANGHOFFER, 1915a ¹ STROUHAL, 1939b
Stara jametina (cave), Punčka draga, G. Krnići, Konjevrate, Šibenik	WJ84	SL	CBSS collection 167
Škarin Samograd (cave), Škarići, Konjevrate, Šibenik	WJ84	SL	MZUF collection 1 CBSS collection 168 BEDEK, 2007a
Topla peć (cave), Ključ, Čikola, Skradin	WJ85	SL	CBSS collection 169
Jama na polju (cave), Vrsine, Trogir	WJ92	SL	GIROMETTA, 1914 ¹ LANGHOFFER, 1915a ¹ STROUHAL, 1939b
Koliština (cave), Prgomet, Trogir	WJ92	SL	GIROMETTA, 1913 ¹ LANGHOFFER, 1915a ¹ STROUHAL, 1939b
Golubinjka jama (cave), Koprno, Šibenik	WJ94	SL	GIROMETTA, 1914 ¹ LANGHOFFER, 1915a ¹ STROUHAL, 1939b
Smokvica (cave), Koprno, Šibenik	WJ94	SL	GIROMETTA, 1914 ¹ LANGHOFFER, 1915a ¹ STROUHAL, 1939a STROUHAL, 1939b KARAMAN, 1966 BEDEK, 2007a

Kad jaganjci utihnu (cave), Lug Paripov, Ljubotić, Tribalj Kruščica	WK21	SL	CBSS collection 170
Ivina jama (cave), Velika Paklenica, Velebit, Starigrad	WK30	SL	CNHM collection 7
Manita peć (cave), Velika Paklenica, Velebit, Starigrad	WK30	SL	CBSS collection 171
			MZUF collection 2
			BOŽIČEVIĆ, 1965 ²
Pisanica (cave), Jurline, Paklenica, Velebit, Starigrad	WK30	SL	CBSS collection 172
Bušljeta (cave), Pisak, Bojinac, Velebit, Starigrad	WK31	SL	CBSS collection 173
Jama kod Jatara 2 (cave), Jatara, Velebit, Starigrad	WK31	SL	CBSS collection 174
Jatara (cave), Jatara, Velebit, Starigrad	WK31	SL	CBSS collection 175
Vaganka (cave), Veliki Vaganac, Velebit, Starigrad	WK31	SL	CBSS collection 176
Gornja Cerovačka špilja (cave), Cerovac, Crnopac, Velebit, Gračac	WK70	M	CNHM collection 8
			CBSS collection 177
			BEDEK <i>et al.</i> , 2008
Benova jama (cave), Zavodi, Ravna vlaška, Biokovo, Tučepi	XH69	SL	CBSS collection 178
Bubnjavača (cave), Veprinac, Biokovo, Makarska	XH69	SL	CBSS collection 179
Jama na putu za Staru školu (cave), Sv. Jure, Biokovo, Makarska	XH69	SL	CNHM collection 9
Krjava 1 (cave), Veliko Brdo, Biokovo, Makarska	XH69	SL	CBSS collection 180
Krjava 2 (cave), Veliko Brdo, Biokovo, Makarska	XH69	SL	CBSS collection 181
Kuna (cave), Čedor, Biokovo, Makarska	XH69	SL	CBSS collection 182
Ledenica kod Stare škole (cave), Sv. Jure, Biokovo, Makarska	XH69	SL	CNHM collection 10
Podrum (cave), Gornja Podgora, Biokovo, Podgora	XH69	SL	CBSS collection 183
Bošak (cave), Lozovci, Župa, Biokovo, Zagvozd	XH79	SL	CBSS collection 184
Gradska spila (cave), Župa, Biokovo, Zagvozd	XH79	SL	CNHM collection 11
			CBSS collection 185
Jama iznad Saranača (cave), Saranač, Gornje Igrane, Podgora	XH79	SL	CBSS collection 186
Jama kod Tučepske vilenjače (cave), Ravna vlaška, Biokovo, Tučepi	XH79	SL	CBSS collection 187
Jama na Docima (cave), Saranač, Gornje Igrane, Biokovo, Podgora	XH79	SL	CBSS collection 188
Jama na grebenu (cave), Prisika, Biokovo, Podgora	XH79	SL	CBSS collection 189
Jama za Supinom (cave), Vrata Biokova, Biokovo, Podgora	XH79	SL	CBSS collection 190
Jujnovića špilja (cave), Jujnovići, Kozica, Biokovo, Podgora	XH79	SL	CNHM collection 12
			CBSS collection 191
Mala jama (cave), Župa, Biokovo, Zagvozd	XH79	SL	CBSS collection 192
Matijaševa špilja (cave), Župa, Biokovo, Zagvozd	XH79	SL	CNHM collection 13
			CBSS collection 193
Spila 1 (cave), Jujnovići, Kozica, Biokovo, Podgora	XH79	SL	CNHM collection 14
			BUTUROVIĆ, 1955c
			KARAMAN, 1966
Spila 2 (cave), Jujnovići, Kozica, Biokovo, Podgora	XH79	SL	CNHM collection 15
			CBSS collection 194
Stonjska peć donja (cave), Župa, Biokovo, Zagvozd	XH79	SL	CBSS collection 195
Stonjska peć gornja (cave), Župa, Biokovo, Zagvozd	XH79	SL	CBSS collection 196
Tučepska vilenjača (cave), Ravna vlaška, Biokovo, Tučepi	XH79	SL	CBSS collection 197
Pećina u Carevoj Poski (cave), Jurilji, Vrgorac	XH88	SL	BUTUROVIĆ, 1955c
			KARAMAN, 1966
Mala špilja (cave), Antunovići, Kozica, Biokovo, Podgora	XH89	SL	CNHM collection 16
Martina jama (cave), Stilja, Vrgorac	XH89	SL	CBSS collection 198

Bunarina (cave), Podanak, Uble, Lećeveca, Split	XJ03	SL	T. Rađa collection 1
			GIROMETTA, 1913 ¹
			LANGHOFFER, 1915a ¹
Jama na Kuku (cave), Radošić, Lećeveca, Split	XJ03	SL	STROUHAL, 1939b
			GIROMETTA, 1913 ¹
			LANGHOFFER, 1915a ¹
Jama pod Kragljavcem (cave), Ramljane, Moseć, Sinj	XJ04	SL	STROUHAL, 1939a
			GIROMETTA, 1914 ¹
			KARAMAN, 1966
Kosilova jama (cave), Brezovac, Dinara, Knin	XJ08	SL	CNHM collection 17
			CBSS collection 199
Petrinjka (cave), Vučevica, Kaštel Lukšić, Kozjak, Split	XJ12	SL	GIROMETTA, 1913 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939b
Jazinka (cave), Ljuta, Muć, Moseć, Sinj	XJ13	SL	GIROMETTA, 1914 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939a
			STROUHAL, 1939b
			KARAMAN, 1966
Kotluša (cave), Kotluša, Civljane, Cetina, Vrljka	XJ16	SL	CNHM collection 18
			CBSS collection 200
			FRANKENBERGER, 1937
			FRANKENBERGER, 1939
			STROUHAL, 1939a
			KARAMAN, 1966
			BEDEK <i>et al.</i> , 2006
JALŽIĆ <i>et al.</i> , 2010			
Kranjica (cave), Crvene grede, Jare, Vrljka	XJ16	SL	CBSS collection 201
Medića pećina (cave), Civljane, Cetina, Vrljka	XJ16	SL	STROUHAL, 1939a
			KARAMAN, 1966
Rudelića špilja (cave), Civljane, Cetina, Vrljka	XJ16	SL	CNHM collection 19
			CBSS collection 202
			STROUHAL, 1939a
			KARAMAN, 1966
Gornja Tutićeva špilja (cave), Tutići, Civljane, Cetina, Vrljka	XJ17	SL	CNHM collection 20
			CBSS collection 203
Gospodska špilja (cave), Četnik, Civljane, Cetina, Vrljka	XJ17	SL	CNHM collection 21
			CBSS collection 204
			STROUHAL, 1939a
			KARAMAN, 1966
Pećina iznad Kule (cave), Pekasova draga, Glavaš, Civljane, Cetina, Vrljka	XJ17	SL	CBSS collection 205
Pećina na izvoru Cetine (cave), Civljane, Cetina, Vrljka	XJ17	SL	FRANKENBERGER, 1939
			KARAMAN, 1966
Velika Čulumova špilja (cave), Krivodol, Kijevo, Vrljka	XJ17	SL	CNHM collection 22
			CBSS collection 206
Balićeva špilja (cave), Balići, Dugopolje, Mosor, Split	XJ22	SL	GIROMETTA, 1913 ¹
			GIROMETTA, 1914 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939a
			STROUHAL, 1939b
			KARAMAN, 1966

Jama na Koštaku (cave), Koštak, Klis, Split	XJ22	SL	GIROMETTA, 1913 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939a
			STROUHAL, 1939b
			KARAMAN, 1966
Kitlica jama (cave), Potravlje, Sinj	XJ25	SL	STROUHAL, 1939a
			KARAMAN, 1966
Trojama (cave), Srijane, Mosor, Split	XJ31	SL	GIROMETTA, 1914 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939a
			STROUHAL, 1939b
			KARAMAN, 1966
Ledenica na podnožju Jabukovca (cave), Jabukovac, Mosor, Split	XJ32	SL	GIROMETTA, 1914 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939a
			KARAMAN, 1966
Maklutača (cave), Dugopolje, Mosor, Split	XJ32	SL	GIROMETTA, 1914 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939b
Sniježnica pod Ljubljanom (cave), Ljubljan, Mosor, Split	XJ32	SL	GIROMETTA, 1914 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939b
Vranjača (cave), Kotlenice, Dugopolje, Mosor, Split	XJ32	SL	GIROMETTA, 1913 ¹
			GIROMETTA, 1914 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939a
			STROUHAL, 1939b
			KARAMAN, 1966
Jama kod Radošića (cave), Radošić, Sinj	XJ33	SL	STROUHAL, 1939a
			KARAMAN, 1966
Jama na Visokoj (cave), Visoka, Radošić, Sinj	XJ33	SL	GIROMETTA, 1914 ¹
			LANGHOFFER, 1915a ¹
			STROUHAL, 1939a
			STROUHAL, 1939b
			STROUHAL, 1939e
			KARAMAN, 1966
Crvenkuša-Tamnica-Suhi Rumin (cave system), Rumin, Bitelić, Sinj	XJ34	SL	CBSS collection 207
			STROUHAL, 1939a
			KARAMAN, 1966
Govedija jama (cave), Malin, Bajagić, Sinj	XJ34	SL	CBSS collection 208
Kosinac (spring), Han, Obrovac Sinjski, Sinj	XJ34	SL	CBSS collection 209
Suvi Rumin (cave), Rumin, Bitelić, Sinj	XJ34	SL	ERHARD, 1997
Zimska pećina (cave), Obrovac Sinjski, Sinj	XJ34	SL	STROUHAL, 1939a
			KARAMAN, 1966
Bila lipotica (cave), Kodžomanove stajе, Vrdovo, Dinara, Bitelić, Sinj	XJ35	SL	CNHM collection 23
Jama u Konjikuši gornjoj (cave), Malovani, Vrdovo, Dinara, Bitelić, Sinj	XJ35	SL	CBSS collection 210
Odžića ponor (sinkhole), Buljani, Gornji Bitelić, Sinj	XJ35	SL	CBSS collection 211

Pastirski stan (cave), Vukovići, Vrdovo, Dinara, Bitelić, Sinj	XJ35	SL	CBSS collection 212
Pidžin pit (cave), Bitelić, Sinj	XJ35	SL	CBSS collection 213
Pometena golubinka (cave), Lovrića staje, Vrdovo, Dinara, Bitelić, Sinj	XJ35	SL	CBSS collection 214
Vodena peća (cave), Kodžoman, Bajagić, Rumin, Sinj	XJ35	SL	CNHM collection 24
			CBSS collection 215
Žablja jama (cave), Vrdovo, Dinara, Bitelić, Sinj	XJ35	SL	CBSS collection 216
Špilja kod izvora Rude (cave), Ruda, Otok, Sinj	XJ43	SL	CNHM collection 25
			CBSS collection 217
Ćulića jama (cave), Grljak, Bartulovići, Biokovo, Brela	XJ50	SL	CBSS collection 218
Drinova II (cave), Drinova, Gornja Brela, Biokovo, Brela	XJ50	SL	CNHM collection 26
			CBSS collection 219
Gornja jama na Grljaku (cave), Grljak, Bartulovići, Biokovo, Brela	XJ50	SL	CBSS collection 220
Jama iznad Prozorčića (cave), Nevistine stine, Gornja Brela, Biokovo, Brela	XJ50	SL	CBSS collection 221
Jama u Dornju (cave), Dovanj, Rogoznica, Brela	XJ50	SL	CBSS collection 222
			MZUF collection 3
Jamina (cave), Nevistine stine, Gornja Brela, Biokovo, Brela	XJ50	SL	CBSS collection 223
Plošnica (cave), Nevistine stine, Gornja Brela, Biokovo, Brela	XJ50	SL	CNHM collection 27
Pozjata (cave), Jagodnik, Bartulovići, Biokovo, Brela	XJ50	SL	CBSS collection 224
Spasiteljica (cave), Drinova, Gornja Brela, Biokovo, Brela	XJ50	SL	CBSS collection 225
Svetica (cave), Gornja Brela, Biokovo, Brela	XJ50	SL	CBSS collection 226
Duboka trepetljika (cave), Kaoci, Mucići, Biokovo, Zagvozd	XJ60	SL	CBSS collection 227
Gaćina jama (cave), Gačese, Biokovo, Zagvozd	XJ60	SL	CNHM collection 28
Jama iznad Lipog dočića (cave), Sv. Jure, Biokovo, Makarska	XJ60	SL	CBSS collection 228
Jama na Brezdanu (cave), Brezdan, Topići, Biokovo, Baška Voda	XJ60	SL	CBSS collection 229
Jama na Kačkoj glavici 3 (cave), Kačka glavica, Kaoci, Mucići, Biokovo, Zagvozd	XJ60	SL	CBSS collection 230
Jama na Mrždolcu (cave), Mrždolac, Dedići, Sridnja gora, Zagvozd	XJ60	SL	CBSS collection 231
Jama pod Sv. Jurom (cave), Sv. Jure, Biokovo, Makarska	XJ60	SL	CBSS collection 232
Jama u Čikešima (cave), Čikeši, Biokovo, Zagvozd	XJ60	SL	CBSS collection 233
Jama u trepetljikama (cave), Kaoci, Mucići, Biokovo, Zagvozd	XJ60	SL	CBSS collection 234
Kukor (cave), Bast, Biokovo, Baška Voda	XJ60	SL	CBSS collection 235
Mala jama u stijenama (cave), Spiljice, Kaoci, Mucići, Biokovo, Zagvozd	XJ60	SL	CNHM collection 29
Mužina špilja (cave), Sridnja gora, Svaguša, Biokovo, Zagvozd	XJ60	SL	CBSS collection 236
Pasji manastir (cave), Topići, Biokovo, Baška Voda	XJ60	SL	CBSS collection 237
Pećina istočno od sela Svaguša (cave), Svaguša, Biokovo, Zagvozd	XJ60	SL	BUTUROVIĆ, 1955c
			KARAMAN, 1966
Pećina u Jurkovo dolini (cave), Jurkova dolina, Biokovo, Zagvozd	XJ60	SL	BUTUROVIĆ, 1955c
			KARAMAN, 1966
Pećina u Sridnjoj gori (cave), Sridnja gora, Biokovo, Zagvozd	XJ60	SL	BUTUROVIĆ, 1955c KARAMAN, 1966
Potkameničina jama (cave), Dedići, Biokovo, Zagvozd	XJ60	SL	CBSS collection 238
Pružina (cave), Prodani, Biokovo, Zagvozd	XJ60	SL	CBSS collection 239
Pukotina kod doca Stražbenica (cave), Kaoci, Mucići, Biokovo, Zagvozd	XJ60	SL	CNHM collection 30
Raputinova špilja (cave), Rastovac, Biokovo, Zagvozd	XJ60	SL	CBSS collection 240
Špilja do Obilježene (cave), Kaoci, Mucići, Biokovo, Zagvozd	XJ60	SL	CBSS collection 241

Špilja na Mrždolcu (cave), Mrždolac, Dedići, Sridnja gora, Zagvozd	XJ60	SL	CBSS collection 242
Špilja u Bastu (cave), Bast, Biokovo, Baška Voda	XJ60	SL	CBSS collection 243
Špilja u Gaju (cave), Brnasi, Biokovo, Zagvozd	XJ60	SL	CBSS collection 244
Velika špilja (cave), Bukovci, Sridnja gora, Dedići, Zagvozd	XJ60	SL	CBSS collection 245
Vodena trepetljika (cave), Kaoci, Mucići, Biokovo, Zagvozd	XJ60	SL	CBSS collection 246
Mravinjuša jama (cave), Lozovci, Župa, Biokovo, Zagvozd	XJ70	SL	CBSS collection 247
Baričevića pećina (cave), Cetina	XJ	SL	STROUHAL, 1939a KARAMAN, 1966
Damljinhova jama (cave), Sinj	XJ	SL	STROUHAL, 1938 KARAMAN, 1966
Golubinka (cave), Cetina	XJ	SL	STROUHAL, 1939a KARAMAN, 1966
Jama kod Dugopolja (cave), Dugopolje, Split	XJ	SL	STROUHAL, 1939a
Jama na Balači (cave), Mosor, Split	XJ	SL	STROUHAL, 1939a STROUHAL, 1939e KARAMAN, 1966
Kozjak pećina (cave), Cetina	XJ	SL	STROUHAL, 1939a KARAMAN, 1966
Pećina kod Sinja (cave), Sinj	XJ	SL	STROUHAL, 1939a KARAMAN, 1966
Pećina na istočnoj padini Mosor planine (cave), Mosor, Split	XJ	SL	FRANKENBERGER, 1939 KARAMAN, 1966 FLASAROVÁ, 1967
Pećina na sjeveroistočnim padinama Biokova (cave), Biokovo, Zagvozd	XJ	SL	BUTUROVIĆ, 1955c KARAMAN, 1966
Pećina na Svilaji planini (cave), Svilaja	XJ	SL	FRANKENBERGER, 1939 KARAMAN, 1966
Pećina sjeveroistočno od Sinja (cave), Sinj	XJ	SL	FRANKENBERGER, 1939 KARAMAN, 1966
Vučković jama (cave), Cetina	XJ	SL	STROUHAL, 1939a KARAMAN, 1966
Zakanova jama (cave), Sinj	XJ	SL	STROUHAL, 1938 KARAMAN, 1966
Zrilina pećina (cave), Cetina	XJ	SL	STROUHAL, 1939a KARAMAN, 1966
Bobija jama (cave)			STROUHAL, 1939a
Crnomarkovića pećina (cave)			STROUHAL, 1939a KARAMAN, 1966
Džamije (cave)			STROUHAL, 1939a STROUHAL, 1939e KARAMAN, 1966
Pećina Stojaković (cave)			STROUHAL, 1939a KARAMAN, 1966
Podbirnjača špilja (cave)			STROUHAL, 1939a KARAMAN, 1966
Špilja na Dinari 254 (cave), Dinara		SL	FRANKENBERGER, 1939
Špilja na Dinari 256 (cave), Dinara		SL	FRANKENBERGER, 1939
Špilja na Dinari 258 (cave), Dinara		SL	FRANKENBERGER, 1939
Špilja na Dinari 260 (cave), Dinara		SL	FRANKENBERGER, 1939

Vršine (cave)			STROUHAL, 1939a STROUHAL, 1939e KARAMAN, 1966
Biokovo		SL	OZIMEC, 2008 BEDEK, 2011
Dinara, W slopes, Vrljka		SL	FRANKENBERGER & STROUHAL, 1940 KARAMAN, 1966
Cetina spring, surroundings, Civljane, Vrljka		SL	FRANKENBERGER & STROUHAL, 1940
Knin, surroundings		SL	STROUHAL, 1938
Krka, surroundings		SL	BEDEK, 2005a, JALŽIĆ <i>et al.</i> , 2007
Mosor		SL	FRANKENBERGER & STROUHAL, 1940
Sinj, surroundings		SL	FRANKENBERGER, 1939
Svilaja		SL	FRANKENBERGER & STROUHAL, 1940
Central Dalmatia		SL	SCHMÖLZER, 1965a
Dalmatia		SL	VANDEL, 1946
From Southern Velebit to Biokovo			JALŽIĆ <i>et al.</i> , 2007
From the Cetina to the Neretva region		SL	STROUHAL, 1940a
Southern Croatia			SCHMALFUSS, 2003
Croatia			POTOČNIK, 1989 TABACARU, 1996

¹ *Titanethes albus*

² *Titanethes (albus?) dahli*

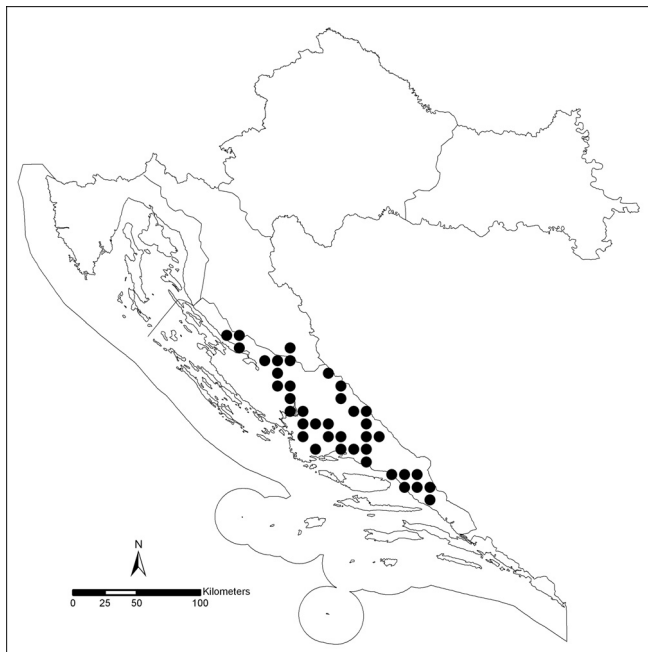


Fig. 9. Croatian distribution of *Alphoniscus balthasari*.

13. *Alpioniscus bosniensis* (Frankenberger, 1939) (Tab. 13, Fig. 10)

Synonyms: *Illyrionethes bosniensis* Frankenberger, 1939

Distribution: Southern Croatia, Bosnia and Herzegovina (SCHMALFUSS, 2003)

Type locality: Pećina u Donjem Brišniku (cave), Donji Brišnik, Tomislavgrad, Bosnia and Herzegovina [Höhle 12 km weit nach O. von Tomislavgrad (Sw.-Bosnien) bei der Schule von D. Brišnik; BB Nr. 272 (FRANKENBERGER, 1939)]

Ecological status: Troglobiotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 13. List of recorded localities for *Alpioniscus bosniensis*

Locality	UTM	Region	Source
Baba špilja (cave), Šošići, Gornje Igrane, Biokovo, Podgora	XH79	SL	CNHM collection 31
			CBSS collection 248
			BUTUROVIĆ, 1955c
			KARAMAN, 1966
Jama pod Osojem (cave), Vrata Biokova, Biokovo, Podgora	XH79	SL	CBSS collection 249
Jama za Supinom (cave), Vrata Biokova, Biokovo, Podgora	XH79	SL	CBSS collection 250
Tučepska vilenjača (cave), Ravna vlaška, Biokovo, Tučepi	XH79	SL	CBSS collection 251
Zečica (cave), Zečica, Šošići, Biokovo, Podgora	XH79	SL	CBSS collection 252
			OZIMEC <i>et al.</i> , 2009
Velika špilja (cave), Antunovići, Biokovo, Kozica	XH89	SL	CBSS collection 253
			MZUF collection 4
			BUTUROVIĆ, 1955c
			KARAMAN, 1966
Pozjata (cave), Jagodnik, Bartulovići, Biokovo, Brela	XJ50	SL	BUTUROVIĆ, 1955c

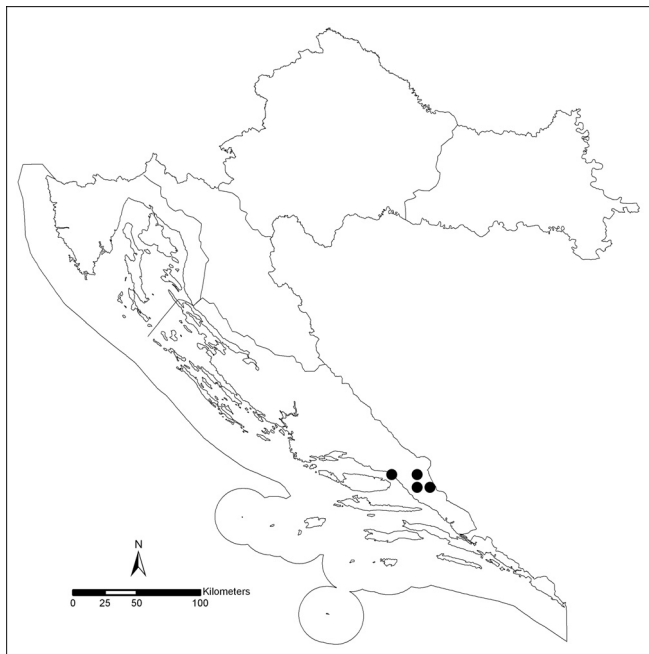


Fig. 10. Croatian distribution of *Alpioniscus bosniensis*.

Mravinjuša jama (cave), Lozovci, Župa, Biokovo, Zagvozd	XJ70	SL	CNHM collection 32
			CBSS collection 254
			MZUF collection 5
Biokovo		SL	OZIMEC, 2008
			BEDEK, 2011
Biokovo and Vrgorac surroundings		SL	SKET, 1986
From the Cetina to the Neretva region		SL	STROUHAL, 1940a
Southern Croatia		SL	SCHMALFUSS, 2003
Croatia			POTOČNIK, 1989

14. *Alpioniscus christiani* Potočnik, 1983 (Tab. 14, Fig. 11)

Distribution: Croatia: the island of Krk (SCHMALFUSS, 2003)

Type locality: Biserujka (cave), Rudine, Čižići, Omišalj, the island of Krk, Kvarner, Croatia
[Höhle »Vitezičeva pečina« bei Rudine, Omišalj, Insel Krk (POTOČNIK, 1983)]

Ecological status: Troglotic

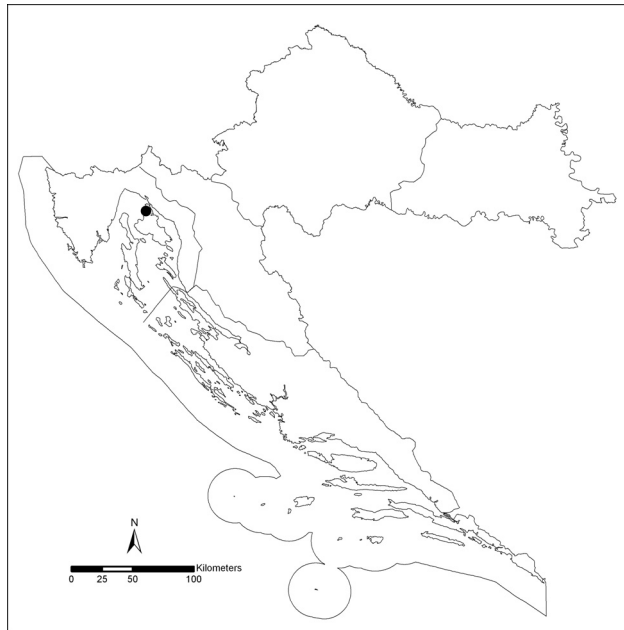


Fig. 11. Distribution of *Alpioniscus christiani*.

Tab. 14. List of recorded localities for *Alpioniscus christiani*

Locality	UTM	Region	Source
Biserujka (cave), Rudine, Čižići, Omišalj, Krk	VL60	NL	CBSS collection 255
			POTOČNIK, 1983
			GOTTSTEIN <i>et al.</i> , 2001
			GOTTSTEIN MATOČEC <i>et al.</i> , 2002
			BEDEK <i>et al.</i> , 2006
			BOŽIĆ <i>et al.</i> , 2010

Krk		NL	TABACARU, 1996 SCHMALFUSS, 2003
Croatia			POTOČNIK, 1989 TVRTKOVIĆ <i>et al.</i> , 2004

15. *Alpioniscus haasi* (Verhoeff, 1931) (Tab. 15, Fig. 12)

Synonyms: *Illyrionethes haasi* Verhoeff, 1931

Distribution: Croatia: the island of Korčula (SCHMALFUSS, 2003)

Type locality: Pišurka (cave), Korčula, the island of Korčula, Dalmatia, Croatia [Paganetti-Höhle auf der dalmatinischen Insel Curzola (VERHOEFF, 1931a, b)]

Ecological status: Troglotibiotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 15. List of recorded localities for *Alpioniscus haasi*

Locality	UTM	Region	Source
Jama na Kamenjoj (cave), Kamena, Čara, Korčula	XH55	SL	CBSS collection 256
Jama na Mehovnju (cave), Veliki hom, Postrane, Žrnovo, Korčula	XH65	SL	CBSS collection 257
Jama u Dubokom dolu (cave), Duboki dol, Pupnat, Korčula	XH65	SL	CBSS collection 258
Špilja pod Veli vrh (cave), Veli vrh, Pupnat, Korčula	XH65	SL	CBSS collection 259
Samograd (cave), Račišće, Korčula	XH66	SL	CBSS collection 260 OZIMEC, 2004
Jakasova špilja (cave), Glava, Rasohatica, Žrnovo, Korčula	XH75	SL	CBSS collection 261 FRANKENBERGER, 1938a KARAMAN, 1966
Jama pod Bilušinim vrtom (cave), Postrane, Žrnovo, Korčula	XH75	SL	CBSS collection 262
Jama pod Kolač (cave), Vučja, Postrane, Žrnovo, Korčula	XH75	SL	CBSS collection 263
Jama u Mikulin dolac (cave), Mikulina glava, Postrane, Žrnovo, Korčula	XH75	SL	CBSS collection 264
Jama u Vrisju (cave), Žrnovo, Korčula	XH75	SL	CBSS collection 265
Pišurka (cave), Korčula, Korčula	XH75	SL	CNHM collection 33
			CBSS collection 266
			VERHOEFF, 1931a
			VERHOEFF, 1931b
			FRANKENBERGER, 1938a
			ARCANGELI, 1947
			KARAMAN, 1966
			OZIMEC, 2004
BEDEK <i>et al.</i> , 2006			
OZIMEC, 2010			
Korčula		SL	STROUHAL, 1939a
			FRANKENBERGER & STROUHAL, 1940
			SCHMÖLZER, 1965a
			TABACARU, 1996
			SCHMALFUSS, 2003
Dalmatia			VANDEL, 1946
From The Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

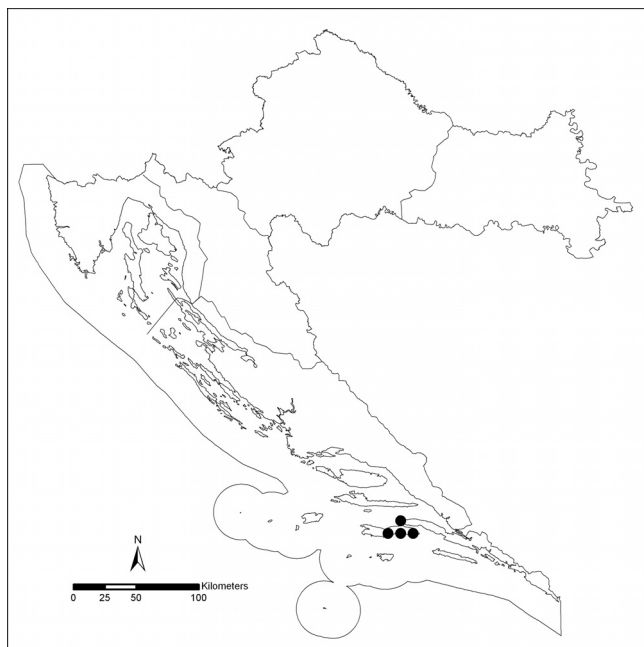


Fig. 12. Distribution of *Alpioniscus haasi*.

16. *Alpioniscus heroldi* (Verhoeff, 1931) (Tab. 16, Fig. 13)

Synonyms: *Illyrionethes heroldi* Verhoeff, 1931

Distribution: Southern Croatia, Bosnia and Herzegovina (SCHMALFUSS, 2003)

Type locality: Bilek (cave), south Herzegovina, Bosnia and Herzegovina [Bilek-Höhle der Südherzegowina (VERHOEFF, 1931b)]

Ecological status: Troglotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 16. List of recorded localities for *Alpioniscus heroldi*

Locality	UTM	Region	Source
Jama u Zabirađu (cave), Osojnik, Dubrovnik	BN53	SL	CBSS collection 267
Tunel u Peračkom blatu (tunnel, cave), Peračko blato, Ploče	XH97	SL	CBSS collection 268
Špilja na Zalokavlju (cave), Raba, Opuzen	YH06	SL	CNHM collection 34
Višćina jama (cave), Dukati, Opuzen	YH06	SL	CNHM collection 35
Kornjatuša (cave), Dobranje, Opuzen	YH16	SL	CNHM collection 36
Pavličevica (cave), Dragovija – Vid, Metković	YH17	SL	CNHM collection 37
			CBSS collection 269
Vilenska peć (cave), Ograđenica, Gumanca, Majkovi, Slano	YH34	SL	CBSS collection 270
Kukova peć (cave), Brsečine, Trsteno, Dubrovnik	YH43	SL	CBSS collection 271
Zadubravica (cave), Zadubravica, Riđica, Dubrovnik	YH44	SL	CBSS collection 272
Dubrovnik region		SL	SKET, 1986
			SKET, 2003

Southern Croatia		SL	SCHMALFUSS, 2003
Croatia			POTOČNIK, 1989
MISINTERPRETED LOCALITY			
Benetina pećina (cave), Gumanca Slano*, Bosnia and Herzegovina			STROUHAL, 1939a

* The locality is probably Benetina pećina in Popovo polje, Herzegovina, near Slano.

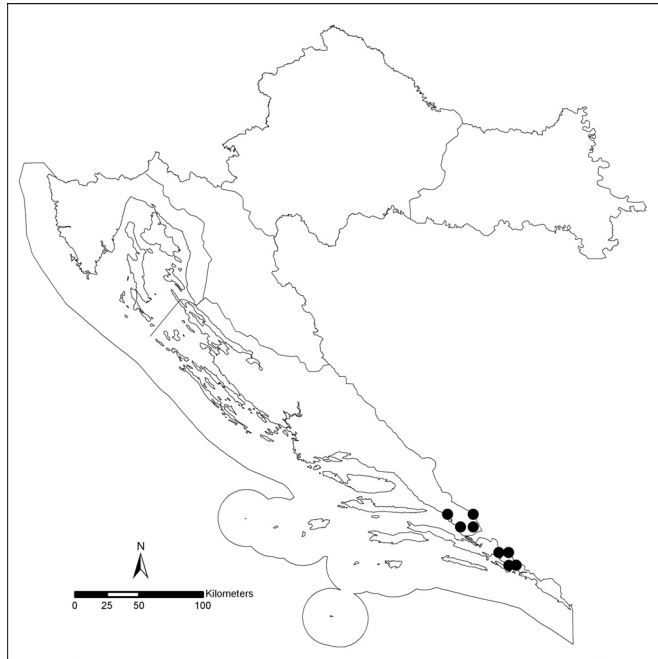


Fig. 13. Croatian distribution of *Alpiomiscus heroldi*.

***Alpiomiscus herzegowinensis* (Verhoeff, 1931) (Tab. 17)**

Synonyms: *Illyrionethes herzegowinensis* Verhoeff, 1931

Distribution: Bosnia and Herzegovina (SCHMALFUSS, 2003)

Type locality: Pećine u Šumi (caves), Šuma, Trebinje, Bosnia and Herzegovina [Gebiet der Schuma der südwestlichsten Herzegowina in verschiedenen Höhlen im Dunkeln (VERHOEFF, 1931b)]

Ecological status: Troglobiotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 17. List of recorded localities for *Alpiomiscus herzegowinensis*

Locality	UTM	Region	Source
Lukina jama – Trojama (cave system), Hajdučki kukovi, Velebit, Krasno*	VK95	NL	KEROVEC <i>et al.</i> , 1999 ¹

*Most probably a misidentification. All examined material from the cave system Lukina jama – Trojama and other caves on Northern Velebit Mt. belongs to other species, not yet described, related to *A. strasseri*.

¹*Alpiomiscus herzegowiniensis*

17. *Alpioniscus kratochvili* (Frankenberger, 1938) (Tab. 18, Fig. 14)

Synonyms: *Illyrionethes kratochvili* Frankenberger, 1938

Distribution: Croatia: the island of Hvar (SCHMALFUSS, 2003)

Type locality: Markova špilja (cave), Pelegrin, Hvar; Grčka pećina (cave), Hvar and Grapčeva špilja (cave), Gramin Dolac, Humac, Jelsa, the island of Hvar, Dalmatia, Croatia [Markova špilja, près de Pellegrino, environs de la ville de Hvar. – Grčka pećina, environs de la ville de Hvar. – Grabčina pećina, environs de la ville de Hvar. (FRANKENBERGER, 1938a)]

Ecological status: Troglotibiotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

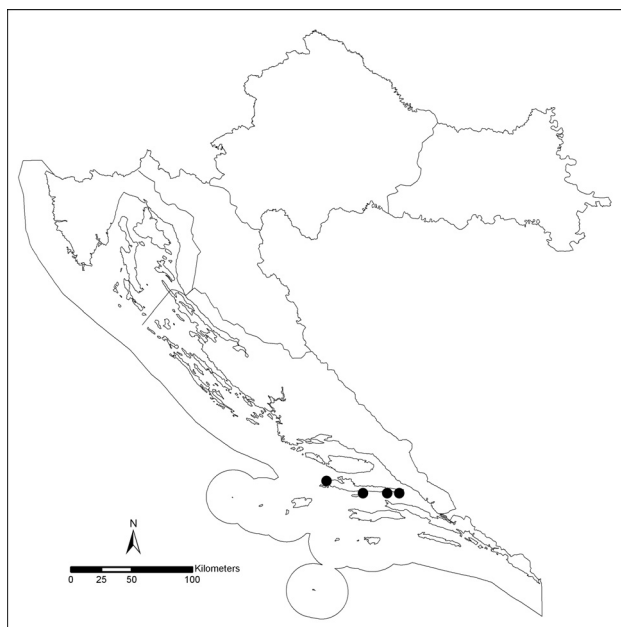


Fig. 14. Distribution of *Alpioniscus kratochvili*.

Tab. 18. List of recorded localities for *Alpioniscus kratochvili*

Locality	UTM	Region	Source
Grčka pećina (cave), Hvar, Hvar	XH18	SL	FRANKENBERGER, 1938a KARAMAN, 1966
Markova špilja (cave), Pelegrin, Hvar, Hvar	XH18	SL	CBSS collection 273 FRANKENBERGER, 1938a KARAMAN, 1966 BEDEK <i>et al.</i> , 2006
Špilja pod Kapelu (cave), Smokovnik, Hvar, Hvar	XH18	SL	UBIC & OZIMEC, 2005
Grapčeva špilja (cave), Gromin Dolac, Humac, Jelsa, Hvar	XH47	SL	FRANKENBERGER, 1938a KARAMAN, 1966
Jama na Teruncu (cave), Bogomolje, Hvar	XH67	SL	CNHM collection 38
Propod (cave), Sućuraj, Hvar	XH77	SL	GIROMETTA, 1914 ¹ LANGHOFFER, 1915a ¹ STROUHAL, 1939b

Hvar		SL	STROUHAL, 1939a FRANKENBERGER & STROUHAL, 1940 SCHMÖLZER, 1965a TABACARU, 1996 SCHMALFUSS, 2003
Dalmatia		SL	VANDEL, 1946
From the Cetina to the Neretva region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

¹ *Titanethes albus*

18. *Alpioniscus magnus* (Frankenberger, 1938) (Tab. 19, Fig. 15)

Synonyms: *Illyrionethes magnus* Frankenberger, 1938

Distribution: Croatia (SCHMALFUSS, 2003)

Type locality: Bazgovača jama (cave), Nerežišća; Kopačina (cave), Donji Hum, Supetar; Tanki ratac (cave), Supetar; Činjadra (cave), Nerežišća; Filipovićevo jama (cave), Nerežišća; Jama za Mahrincem (cave), Pučišća and Špilja pod Vrhom (cave), Pučišća, the island of Brač, Dalmatia, Croatia [Razgovača spilja, environs du village Nezerišće. – Kopačina près du village de Dolni Humac, environs de la ville de Supetar. – Tanki ratac, près de la ville de Supetar. Činjadra spilja, environs du village de Nezerišće. – Filipovićevo jama, environs de Nezerišće. – Jama za Mahrincem, environs du village de Pučišće. – Špilja pod Vrhom, environs de Pučišće. (FRANKENBERGER, 1938a)]

Ecological status: Troglotibiotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

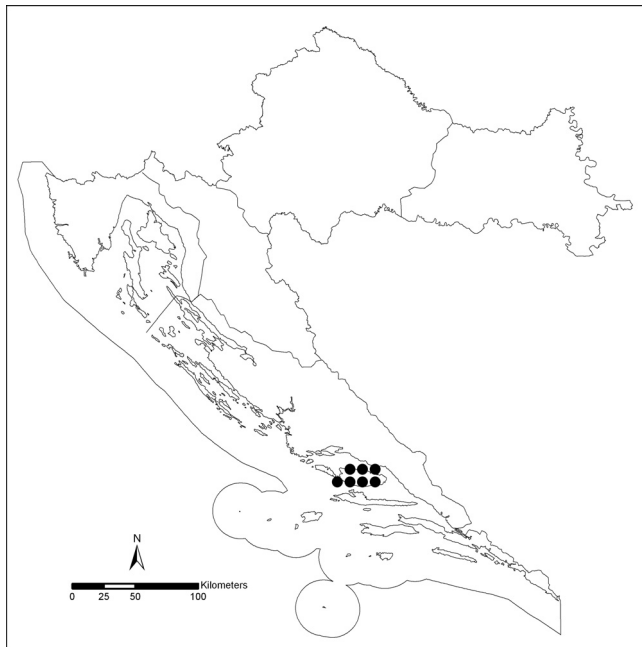


Fig. 15. Distribution of *Alpioniscus magnus*.

Tab. 19. List of recorded localities for *Alpioniscus magnus*

Locality	UTM	Region	Source
Špilja između Lokvica i Blisine glavice (cave), Milna, Brač	XH19	SL	WETTSTEIN, 1914 ¹
			STROUHAL, 1939b
Špilja između Milne i Sv. Josipa, Milna (cave), Brač	XH19	SL	WETTSTEIN, 1914 ¹
			STROUHAL, 1939b
Dobra jama (cave), Nerežišća, Brač	XH29	SL	STROUHAL, 1939a
			KARAMAN, 1966
Filipovićeve jama (cave), Nerežišća, Brač	XH29	SL	FRANKENBERGER, 1938a
			STROUHAL, 1939a
			KARAMAN, 1966
Bazgovača jama (cave), Nerežišća, Brač	XH39	SL	CNHM collection 39
			CBSS collection 274
			FRANKENBERGER, 1938a
			STROUHAL, 1939a
			KARAMAN, 1966
BEDEK <i>et al.</i> , 2006			
Jama kod Vidove gore (cave), Vidova gora, Bol, Brač	XH39	SL	WETTSTEIN, 1914 ¹
			STROUHAL, 1939b
Ješkalovica (cave), Selca, Brač	XH49	SL	STROUHAL, 1939a
			KARAMAN, 1966
Studentski ratac (cave), Selca, Brač	XH49	SL	STROUHAL, 1939a
			STROUHAL, 1939e
			KARAMAN, 1966
Žejava (cave), Osridke, Selca, Brač	XH49	SL	STROUHAL, 1939a
			KARAMAN, 1966
Kopačina (cave), Donji Hum, Supetar, Brač	XJ20	SL	FRANKENBERGER, 1938a
			STROUHAL, 1939a
			KARAMAN, 1966
Tanki ratac (cave), Supetar, Brač	XJ20	SL	FRANKENBERGER, 1938a
			STROUHAL, 1939a
			KARAMAN, 1966
Činjadra (cave), Nerežišća, Brač	XJ30	SL	CBSS collection 275
			WETTSTEIN, 1914 ¹
			FRANKENBERGER, 1938a
			STROUHAL, 1939a
			STROUHAL, 1939b
			KARAMAN, 1966
HLAVÁČ & JALŽIĆ, 2009			
Minjera (mine, cave), Škrip, Postira, Brač	XJ30	SL	CBSS collection 276
Jama za Mahrincem (cave), Pučišća, Brač	XJ40	SL	CBSS collection 277
			FRANKENBERGER, 1938a
			STROUHAL, 1939a
			KARAMAN, 1966
Špilja pod Vrhom (cave), Pučišća, Brač	XJ40	SL	FRANKENBERGER, 1938a
			STROUHAL, 1939a
			VANDEL, 1946
			KARAMAN, 1966

Brač		SL	FRANKENBERGER & STROUHAL, 1940
			SCHMÖLZER, 1965a
			TABACARU, 1996
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			POTOČNIK, 1989
			SCHMALFUSS, 2003

¹ *Titanethes albus*

19. *Alpioniscus strasseri* (Verhoeff, 1927) (Tab. 20, Fig. 16)

- Synonyms: *Illyrionethes strasseri* Verhoeff, 1927; *I. enriquesi* Arcangeli, 1932
 Distribution: NE-Italy, Slovenia, Croatia including the island of Cres (SCHMALFUSS, 2003)
 Type locality: Grotta ad ovest di Basovizza (cave, Friuli Venezia Giulia cadastre no. 68, historical cadastre no. 53/VG), Longera, Trieste, Italy and Belinca jama (cave, Slovenian cave cadastre no. 950), Štarje, Sežana, Slovenia [Höhle am Mt. Spaccato in Istrien, eine Stunde von Triest entfernt; Höhle Belinca bei Storje (VERHOEFF, 1927)]
 Ecological status: Troglotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 20. List of recorded localities for *Alpioniscus strasseri*

Locality	UTM	Region	Source
Porto Madonna (cave), Savudrija	UL83	NL	VERHOEFF, 1929b
			WOLF, 1938
Markova jama (cave), Štancija Špin, Tar, Poreč	UL91	NL	CBSS collection 278
Marmo (cave), Brtonigla	UL92	NL	VERHOEFF, 1929a
			WOLF, 1938
Manzin (cave), Vodnjan	VK07	NL	STROUHAL, 1939a
St. Lucia (cave), Vodnjan	VK07	NL	STROUHAL, 1939a
Jama kod Burići (cave), Burići, Kanfanar	VK09	NL	CBSS collection 279
			OZIMEC <i>et al.</i> , 2011b
Špilja na Gradini kod Premanture (cave), Premantura, Pula	VK16	NL	ARCANGELI, 1932
			BRIAN, 1938
			WOLF, 1938
			STROUHAL, 1939a
			FRANKENBERGER & STROUHAL, 1940
KARAMAN, 1966			
Ikinica (cave), Muntić	VK17	NL	CNHM collection 40
Feštinsko kraljevstvo (cave), Feštini, Žminj	VK19	NL	CBSS collection 280
Čampari (cave), Petričevi, Beli, Cres	VK49	NL	VERHOEFF, 1938
			KARAMAN, 1966
Ovčarica (cave), Belej, Cres	VK55	NL	CBSS collection 281
Piskovica (cave), Jaklići, Gologorica, Cerovlje	VL21	NL	CBSS collection 282
Rabakova špilja (cave), Rabaki, Roč, Ročko polje, Buzet	VL22	NL	CBSS collection 283
			OZIMEC <i>et al.</i> , 2011b
Denizza (cave), Kršan, Plomin	VL30	NL	BRIAN, 1938
			STROUHAL, 1939a

Jama iznad Vranjske drage (cave), Pikulići, Boljun, Vela draga, Učka	VL31	NL	CBSS collection 284
Jama mrtvih golubova (cave), Mala Učka, Učka	VL31	NL	CNHM collection 41 CBSS collection 285
Jama na Balaguštini (cave), Dobreč, Poklon, Učka	VL31	NL	CBSS collection 286
Mala peć (cave), Molinarska draga, Učka	VL31	NL	CBSS collection 287
Petrčeva jama (cave), Petrc, Podmaj, Mala Učka, Učka	VL31	NL	CBSS collection 288
Pupićina pećina (cave), Vranja, Boljun, Vela draga, Učka	VL31	NL	CBSS collection 289
Rupa I (cave), Podmaj, Mala Učka, Učka	VL31	NL	CBSS collection 290
Rupa II (cave), Podmaj, Mala Učka, Učka	VL31	NL	CBSS collection 291
Topolska peć (cave), Topol, Poklon, Učka	VL31	NL	CBSS collection 292
Barinova jama (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 293
Borušnjak 1 (cave), Bončića kuća, Borušnjak, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 294
Borušnjak 3 (cave), Bončića kuća, Borušnjak, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 295
Crekvica (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 296
Jama na prevojiću (cave), Popova voda, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 297
Jama pod križ (cave), Podbrus, Semići, Čičarija, Lupoglav	VL32	NL	CBSS collection 298
Novogodišnja jama (cave), Bačvenik, Dolenja Vas, Lupoglav, Čičarija	VL32	NL	CBSS collection 299
Oštirova jama (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 300
Pećina kod planinarske kuće Pavlovac (cave), Bončića kuća, Borušnjak, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 301
Pećina na Crevkici 1 (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 302
Pećina pod Brložnikom (cave), Brložnik, Veprinac, Čičarija, Opatija	VL32	NL	CBSS collection 303
Pećina pod Sokolićem (cave), Sokolić, Semići, Čičarija, Lupoglav	VL32	NL	CBSS collection 304
Pećina pod Stržen (cave), Stržen, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 305
Pećina u Topolovcu (cave), Topolovac, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 306
SD 2 (cave), Mahenac, Veprinac, Čičarija, Opatija	VL32	NL	CBSS collection 307
Vela peć (cave), Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 308
Druška peć (cave), Mošćenička draga, Potoki, Lovran	VL41	NL	CBSS collection 309
Jama kod potoka Banine 3 (cave), Menderi, Veprinac, Učka	VL41	NL	CBSS collection 310
Proletna jama (cave), Veliki Knezgrad, Lovranska Draga, Učka, Lovran	VL41	NL	CBSS collection 311
Rudnik u Medveji (mine), Medveja, Lovran	VL41	NL	CNHM collection 42 CBSS collection 312 MZUF collection 6
Jama na Mahencu 2 (cave), Mahenac, Veprinac, Opatija	VL42	NL	CBSS collection 313
Pećina kod Puži (cave), Puži, Opatija	VL42	NL	FRANKENBERGER, 1939 FRANKENBERGER & STROUHAL, 1940 KARAMAN, 1966

Pećina kod sela Puhari (cave), Puhari, Veprinac, Opatija	VL42	NL	CBSS collection 314
Špilja iznad ceste (cave), brodogradilište V. Lenac, Kostrena, Rijeka	VL51	NL	CBSS collection 315 LUKIĆ <i>et al.</i> , 2011 ¹
Bunetova jama (cave), Humčine, Rožmanići, Bakar	VL61	NL	CBSS collection 316 LUKIĆ <i>et al.</i> , 2009 LUKIĆ <i>et al.</i> , 2011
Karlova jama (cave), Sopalj, Kostrena, Rijeka	VL61	NL	CBSS collection 317 LUKIĆ <i>et al.</i> , 2011
Mali štumbur (cave), Perilo, Kostrena, Rijeka	VL61	NL	CBSS collection 318 LUKIĆ <i>et al.</i> , 2011
Špilja u uvali Predpeć (cave), uvala Predpeć, Paveki, Bakar	VL61	NL	CNHM collection 43 CBSS collection 319 LUKIĆ <i>et al.</i> , 2009 LUKIĆ <i>et al.</i> , 2011
Špilja u uvali Svežanj (cave), uvala Svežanj, Paveki, Bakar	VL61	NL	CBSS collection 320 LUKIĆ <i>et al.</i> , 2009 LUKIĆ <i>et al.</i> , 2011
Tončakova jama (cave), Humčine, Rožmanići, Bakar	VL61	NL	CBSS collection 321 LUKIĆ <i>et al.</i> , 2011
Urinjska špilja (cave), Urinj, Kostrena, Rijeka	VL61	NL	CBSS collection 322 LUKIĆ <i>et al.</i> , 2011
Vrtare male (cave), Dramalj, Crikvenica	VL70	NL	CBSS collection 323
Lokvarka (cave), Lokve, Delnice*	VL82	M	STROUHAL, 1939a KARAMAN, 1966 CASALE <i>et al.</i> , 2004
Špilja na Učki (cave), Učka	VL	NL	KESSELYÁK, 1931
Cres		NL	VERHOEFF, 1940 ARGANO <i>et al.</i> , 1982
Istria		NL	VERHOEFF, 1931c ARGANO <i>et al.</i> , 1982
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			SCHMÖLZER, 1965a PAOLETTI, 1978 POTOČNIK, 1989 TABACARU, 1996 SCHMALFUSS, 2003
MISIDENTIFICATION			
Medvjeđa špilja (cave), Rt. Lokvica, Sv. Jakov, Lošinj**	VK53	NL	JALŽIĆ, 2007

*According to STROUHAL (1939a) only two female specimens were available for the identification of the species. All examined material from the area of Gorski kotar belongs to other species, not yet described, therefore STROUHAL's record might be a misidentification.

**Re-examination of this material shows that the specimens belong to another, not yet described species.

¹ *Alpioniscus* sp.

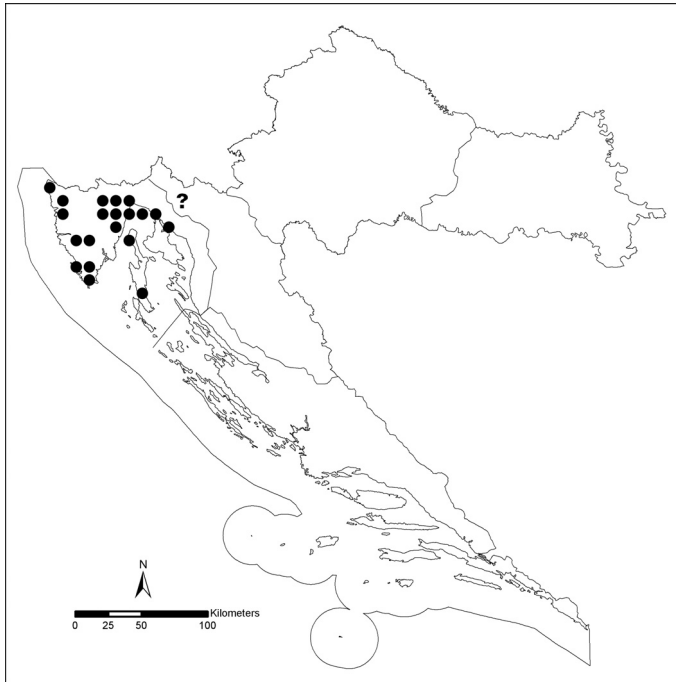


Fig. 16. Croatian distribution of *Alpioniscus strasseri*.

20. *Alpioniscus trogirensis* Buturović, 1955 (Tab. 21, Fig. 17)

Distribution: Croatia: Dalmatia, Trogira (probably Trogir) (SCHMALFUSS, 2003)
 Type locality: Špilja Sv. Filipa i Jakoba (cave), Marina and Špilja od Bilosoja (cave), St Anthony's Monastery, Trogir, Dalmatia, Croatia [Grotte près de la ville Trogir (Dalmatie) (BUTUROVIĆ, 1955a)*]
 Ecological status: Troglotibiotic (BUTUROVIĆ, 1957)

Tab. 21. List of recorded localities for *Alpioniscus trogirensis*

Locality	UTM	Region	Source
Špilja Sv. Filipa i Jakoba (cave), Marina, Trogir	WJ82	SL	BUTUROVIĆ, 1955a*
			KARAMAN, 1966
			BEDEK <i>et al.</i> , 2006
Špilja od Bilosoja (cave), St Anthony's Monastery, Trogir	XJ01	SL	CBSS collection 324
			MZUF collection 7
			BUTUROVIĆ, 1955a* KARAMAN, 1966
Trogir surroundings		SL	SCHMALFUSS, 2003
Croatia			POTOČNIK, 1989
			TABACARU, 1996

* According to HADŽI (1933) the material collected in 1924 by Stanko Karaman, labeled as »pećina u neposrednoj blizini Trogira« (Grotte près de la ville Trogir, Cave near Trogir) is from one of two caves: Špilja Sv. Filipa i Jakoba and Špilja od Bilosoja

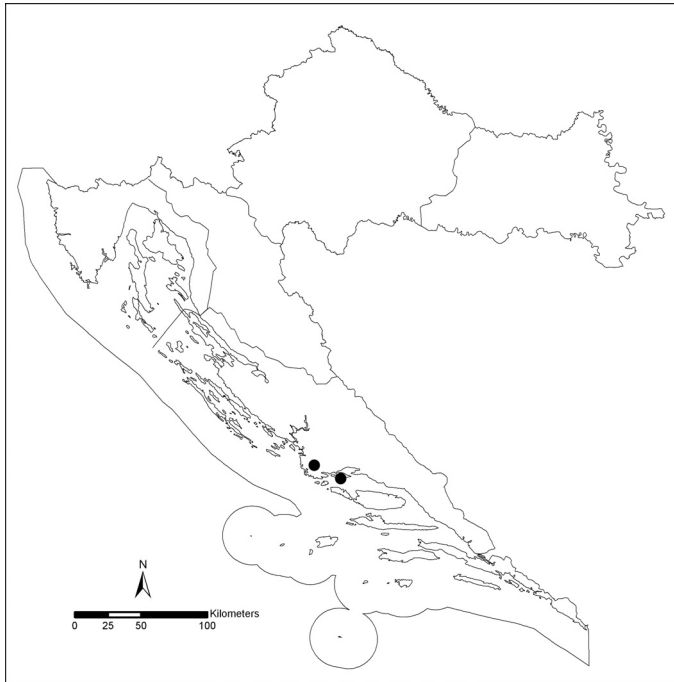


Fig. 17. Distribution of *Alpioniscus trogirensis*.

21. *Alpioniscus verhoeffi* (Strouhal, 1938) (Tab. 22, Fig. 18)

Synonyms: *Illyrionethes verhoeffi* (Strouhal, 1938)

Distribution: Croatia or Herzegovina (STROUHAL, 1938); Bosnia (SCHMALFUSS, 2003) is probably a misinterpreted datum.

Type locality: Špilja u dolini Neretve (cave), Dalmatia, Croatia or Bosnia and Herzegovina, [Narenta Grotten, Dalmatien (STROUHAL, 1938)]

Ecological status: Troglotibiotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 22. List of recorded localities for *Alpioniscus verhoeffi*

Locality	UTM	Region	Source
Špilja na Vršinoj glavici (cave), Stražbenica, Otok, Sinj	XJ44	SL	CBSS collection 325
Jamica u docima (cave), Varda, Desne, Metković	YH07	SL	CBSS collection 326
Kaverna pod vijaduktom kod Puljana (cave), Puljani, Jezero, Ploče	YH07	SL	CBSS collection 327
Maica golubinka (cave), Golovrh, Bebići, Metković	YH07	SL	CBSS collection 328
Požarova jama (cave), Desne, Opuzen	YH07	SL	CBSS collection 329
Špilja u dolini Neretve (cave), Neretva*	YH	SL	STROUHAL, 1938
			FRANKENBERGER & STROUHAL, 1940
			BUTUROVIĆ, 1955c
			KARAMAN, 1966

Neretva region		SL	STROUHAL, 1939a SCHMÖLZER, 1965a
Dalmatia		SL	VANDEL, 1946
From the Cetina to the Neretva region		SL	STROUHAL, 1940a

*It is possible that this locality is in Herzegovina

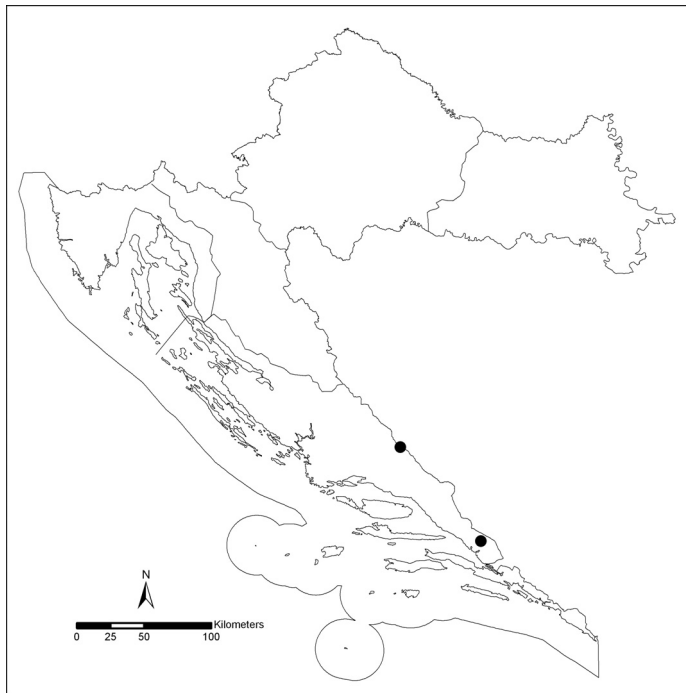


Fig. 18. Croatian distribution of *Alphoniscus verhoeffi*.

22. *Titanethes albus* (C. Koch, 1841) (Tab. 23, Fig. 19)

Synonyms: *Pherusa alba* C. Koch, 1841; *Titanethes absoloni* Verhoeff, 1901; *T. brevicornis* Joseph, 1882; *T. fracticornis* Joseph, 1882; *T. nodifer* Verhoeff, 1901

Distribution: NE-Italy, Slovenia (SCHMALFUSS, 2003); Croatia (POTOČNIK, 1989)

Type locality: Postojnska jama (cave system, Slovenian cave cadastre no. 747), Postojna, Slovenia [Adelsberggrotte in Krain (KOCH, 1841)]

Ecological status: Troglotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 23. List of recorded localities for *Titanethes albus*

Locality	UTM	Region	Source
Crna pećina (cave), Korana, Plitvička jezera, Korenica	WK47	M	REDENŠEK, 1958
Golubnjača (cave), Korana, Plitvička jezera, Korenica	WK47	M	CBSS collection 330 REDENŠEK, 1958
Mračna špilja (cave), Korana, Plitvička jezera, Korenica	WK47	M	REDENŠEK, 1958

Šupljara (cave), Kaluđerovac, Plitvička jezera, Korenica	WK47	M	LANGHOFFER, 1915a
			STROUHAL, 1939b
			REDENŠEK, 1958
Baraćeva špilja (cave), Nova Kršlja, Rakovica, Slunj*	WK58	M	STROUHAL, 1939b
Donja Baraćeva špilja (cave), Nova Kršlja, Rakovica, Slunj	WK58	M	CBSS collection 331
			STROUHAL, 1939b
			OZIMEC, 2003
			HLAVÁČ & JALŽIĆ, 2010
Dumenčića špilja (cave), stara Kršlja, Rakovica, Slunj	WK58	M	CNHM collection 44
			CBSS collection 332
			LOHAJ & LAKOTA, 2010
Gornja Baraćeva špilja (cave), Nova Kršlja, Rakovica, Slunj	WK58	M	LANGHOFFER, 1915a
			STROUHAL, 1939b
			OZIMEC, 2003
Zobenica pećina (cave), Stara Kršlja, Rakovica, Slunj	WK58	M	LANGHOFFER, 1915a STROUHAL, 1939b
Zvirnjak pećina (cave), Rakovica, Slunj	WK58	M	STROUHAL, 1939b
Šarića jama (cave), Risovac, Frkašić, Plješivica, Korenica	WK65	M	MZUF collection 8
Krčevina (cave), Krčevina, Capačuša, Nebljusi, Donji Lapac, Plješivica	WK74	M	BUTUROVIĆ, 1963
Špilja pod Zimzelom (cave), Potok Musulinski, Ogulin**	WL01	M	HLAVÁČ & JALŽIĆ, 2010
Pećinik (cave), Puškarići, Ogulin	WL11	M	CNHM collection 45
			CASALE & JALŽIĆ, 1999
Jama 3 (cave), Malik, Kuštrovka, Trošmarija	WL12	M	CBSS collection 333
Jama na Bertiji 1 (cave), Bertija, Malik, Kuštrovka, Trošmarija	WL12	M	CBSS collection 334
Jama na Bertiji 2 (cave), Bertija, Malik, Kuštrovka, Trošmarija	WL12	M	CBSS collection 335
Kuštrovka (cave), Kuštrovka, Trošmarija	WL12	M	CBSS collection 336
Ambarac (sinkhole), Oštarije, Ogulin	WL20	M	CNHM collection 46
			JURINAC, 1886
			JURINAC, 1888
			LANGHOFFER, 1912
			LANGHOFFER, 1915b
			CSIKI, 1926 STROUHAL, 1939b
Mandelaja (cave), Oštarije, Ogulin	WL20	M	CBSS collection 337
Munjave (sinkhole), Josipdol, Ogulin	WL20	M	STROUHAL, 1939b
Špilja u Mekoti (cave), Košare, Tounj	WL20	M	STILLER, 1914 ¹
			STROUHAL, 1939b
Cerička pećina (cave), Tounj	WL21	M	STROUHAL, 1939b
Gugečka pećina (cave), Gornje Dubrave, Tounj	WL21	M	STILLER, 1911b ¹
			STROUHAL, 1939b
Mikašinovića špilja (cave), Bistrica, Mikašinovići, Gornje Dubrave, Tounj	WL21	M	CBSS collection 338 JALŽIĆ & BOŽIČEVIĆ, 1975
Sušica (sinkhole), Rebića Glavica, Generalski Stol	WL21	M	CBSS collection 339
Špilja u kamenolomu Tounj (cave), Kamenolom Tounj, Tounj	WL21	M	CBSS collection 340
Tamnica (cave), Potok Tounjski, Tounj	WL21	M	CBSS collection 341
Vrelić (cave), Donje Dubrave, Generalski Stol	WL21	M	CBSS collection 342
Bibička špilja (cave), kanjon Ribnjaka, Munjasi, Trošmarija	WL22	M	CBSS collection 343

Danetska pećina (cave), kanjon Dobre, Dani, Bosiljevo	WL22	M	CBSS collection 344
Dragina pećina na Dobri (cave), kanjon Dobre, Grabrk, Trošmarija, Karlovac	WL22	M	CBSS collection 345
Jama II kod Kolića (cave), Kolići, Generalski Stol	WL22	M	CBSS collection 346
Jama na Gnojini (cave), Gnojina, Mateše, Trošmarija	WL22	M	CBSS collection 347
Jama na rubu (cave), Bartolovići, Gornje Dubrave, Tounj	WL22	M	CBSS collection 348
Jama u kanjonu Dobre ispod Grabrka (cave), kanjon Dobre, Podumol, Bosiljevo	WL22	M	MZUF collection 9 CBSS collection 349
Ledenica u Špeharima (cave), Špehari, Bosiljevo	WL22	M	CBSS collection 350
Pećina pod Pećanima (cave), kanjon Dobre, Pećani, Generalski Stol	WL22	M	CBSS collection 351
Špilja kod Podumolskog mlina (cave), kanjon Dobre, Podumol, Bosiljevo	WL22	M	CBSS collection 352
Trijama II (cave), Špehari, Bosiljevo	WL22	M	CBSS collection 353
Vodena jama (cave), Kolići, Generalski Stol	WL22	M	CBSS collection 354
Đot (cave), Kunić Ribnički, Netretić, Lipnik, Karlovac	WL24	C	CBSS collection 355
Jama bez imena (cave), Rosopojnik, Netretić, Lipnik, Karlovac	WL24	C	CBSS collection 356
Jama na Škrlama (cave), Kunić Ribnički, Netretić, Lipnik, Karlovac	WL24	C	CBSS collection 357
Vatrena jama (cave), Kunić Ribnički, Netretić, Lipnik, Karlovac	WL24	C	CBSS collection 358
Zvonečka II (cave), Griče, Netretić, Lipnik, Karlovac	WL24	C	MZUF collection 10
Pivnica (cave), Žakanje, Kamanje	WL25	C	CBSS collection 359
Brijačica (cave), Gaj, Sekulići, Radatovići, Žumberak	WL26	C	CBSS collection 360
Cepinka (cave), Boići, Sošice, Žumberak	WL26	C	CBSS collection 361
Dakina jama (cave), Rajakovići, Radatovići, Žumberak	WL26	C	CBSS collection 362
Drobovnik (cave), Kunčani, Radatovići, Žumberak	WL26	C	CBSS collection 363 MZUF collection 11
Jama kod Starog mlina (cave), Boići, Sošice, Žumberak	WL26	C	CBSS collection 364
Jama na Javorniku (cave), Kuljaji, Gudalji, Radatovići, Žumberak	WL26	C	CNHM collection 47 CBSS collection 365
Jama u Lukama (cave), Sekulići, Radatovići, Žumberak	WL26	C	CBSS collection 366
Jama u Vrloj strani (cave), Gudalji Radatovići, Žumberak	WL26	C	CBSS collection 367
Kotari (cave), Kuljaji, Radatovići, Žumberak	WL26	C	CBSS collection 368
Lalovićeve jama (cave), Magovci, Radatovići, Žumberak	WL26	C	CNHM collection 48 CBSS collection 369
Milička (cave), Kuljaji, Radatovići, Žumberak	WL26	C	CBSS collection 370
Pavlovica (cave), Keseri, Radatovići, Žumberak	WL26	C	CBSS collection 371
Pečenjevka (cave), Keseri, Radatovići, Žumberak***	WL26	C	CBSS collection 372
Pećine (spring cave), Malinci, Radatovići, Žumberak	WL26	C	CBSS collection 373
Plavinka (cave), Gaj, Sekulići, Radatovići, Žumberak	WL26	C	CBSS collection 374
Rakička (cave), Pilatovci, Radatovići, Žumberak	WL26	C	CBSS collection 375
Špilja kod Juraševe livade (cave), Sekulići, Radatovići, Žumberak	WL26	C	CBSS collection 376
Tržička špilja (cave), Šimić brdo, Tržić Primišljanski, Tounj	WL30	M	CNHM collection 49 JURINAC, 1886 JURINAC, 1888 LANGHOFFER, 1912 LANGHOFFER, 1915b CSIKI, 1926 STROUHAL, 1939b

Ledenička špilja (cave), Rebrovići, Tounj	WL31	M	STROUHAL, 1939b
Lipa na Protulipi (cave), Starešinići, Protulipa, Bosiljevo	WL32	C	CBSS collection 377
Izvor špilja kod Trupković mlina (cave), Novigrad na Dobri, Karlovac	WL33	C	CBSS collection 378
Jastreбина (cave), Frketić Selo, Novigrad na Dobri, Karlovac	WL33	C	CBSS collection 379
Jama pod Gradom (cave), Dugi vrh, Cerovica, Krašić, Žumberak	WL35	C	CBSS collection 380
Potok (cave), Furjanići, Ozalj, Žumberak	WL35	C	CBSS collection 381
Rogovac (cave), Lović Prekriški, Ozalj, Žumberak	WL35	C	CBSS collection 382
Špilja pokraj Kozjače (cave), kanjon Kupe, Kamanje, Ozalj, Karlovac	WL35	C	CBSS collection 383
Vrlovka (cave), kanjon Kupe, Kamanje, Ozalj, Karlovac	WL35	C	CNHM collection 50
			CBSS collection 384
			LANGHOFFER, 1912
			LANGHOFFER, 1915a
			LANGHOFFER, 1915b
			CSIKI, 1926
			STROUHAL, 1939b ²
BEDEK <i>et al.</i> , 2009			
Zverina (cave), Dugi vrh, Cerovica, Krašić, Žumberak	WL35	C	CBSS collection 385
Žlota (cave), Ferenci, Ozalj, Žumberak	WL35	C	CBSS collection 386
Jamina (cave), Donji Oštrc, Krašić, Žumberak	WL36	C	CBSS collection 387
Provala (cave), Bučari, Krašić, Žumberak	WL36	C	CBSS collection 388
			MZUF collection 12
Špilja u Lukama (spring cave), Jezerine, Krašić, Žumberak	WL36	C	CBSS collection 389
Vrulje (sinkhole), Jezerine, Krašić, Žumberak	WL36	C	CBSS collection 390
Mladenova pećina (cave), Bandino Selo, Slunj	WL40	C	LANGHOFFER, 1915a
			STROUHAL, 1939b
Jopićeva špilja – Bent (cave system), Krnjak, Karlovac	WL41	C	CBSS collection 391
Vražića špilja (cave), Barilović, Karlovac	WL42	C	LANGHOFFER, 1915a
			STROUHAL, 1939b
Bribirska pećina (cave)			STROUHAL, 1939b
Jezero (cave)			LANGHOFFER, 1915a
Kovačevka pećina (cave)			STROUHAL, 1939b
Velika pećina (cave)			STROUHAL, 1939b
Nature Park »Žumberak-Samoborsko gorje«		C	BEDEK, 2005b
Tounj surroundings		M	SKET, 1986
Region between Josipdol and Plitvice		M	FRANKENBERGER & STROUHAL, 1940
Northern Croatia			MUNIĆ <i>et al.</i> , 2000
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			TABACARU, 1996
			POTOČNIK, 1989
MISIDENTIFICATION			
Mala Zečica (cave), Labinštica, Labin, Trogir****	WJ92	SL	GIOMETTA, 1913
Marčina jama (cave), Labinštica, Labin, Trogir****	WJ92	SL	GIOMETTA, 1913
Velika Zečica (cave), Labinštica, Labin, Trogir****	WJ92	SL	GIOMETTA, 1913
Jama kod Kljačine (cave), Radošić, Trogir****	XJ02	SL	GIOMETTA, 1914
Jama pod Malim Kraljcem (cave), Radošić, Trogir****	XJ02	SL	GIOMETTA, 1914

Jama pod Čezinim humcem (cave), Gornji Muć, Moseć, Sinj****	XJ13	SL	GIROMETTA, 1914
Orlovača (cave), Bitunjska greda, Gornji Muć, Moseć, Sinj****	XJ13	SL	GIROMETTA, 1914
Jama na Brlogu (cave), Stari gaj, Ramljane, Moseć, Sinj****	XJ14	SL	GIROMETTA, 1914
Golubinjka jama (cave), Jesenice, Poljička, Omiš****	XJ21	SL	GIROMETTA, 1913
			LANGHOFFER, 1915a
Nesretnja jama (cave), Poljička, Omiš****	XJ	SL	GIROMETTA, 1913
			LANGHOFFER, 1915a
Peć na Glušću (cave), Sinj****	XJ	SL	GIROMETTA, 1914
Turska peć (cave), Poljička, Omiš****	XJ	SL	GIROMETTA, 1913
			LANGHOFFER, 1915a
Velika peć (cave), Poljička, Omiš****	XJ	SL	GIROMETTA, 1913
			LANGHOFFER, 1915a

*It is probably one of the following caves, Donja Baračeva špilja or Gornja Baračeva špilja

**The identification is based on one female and two juvenile specimens; considering the distribution of *Titanethes* spp. this is probably a misidentification.

***This locality is on the Croatian-Slovenian border

****Misidentification (conclusion based according to the distribution of the genera *Titanethes* and *Alpioniscus*). The material is not available for the identification of the species.

¹ *Titanethes*

² *Titanethes dahli*

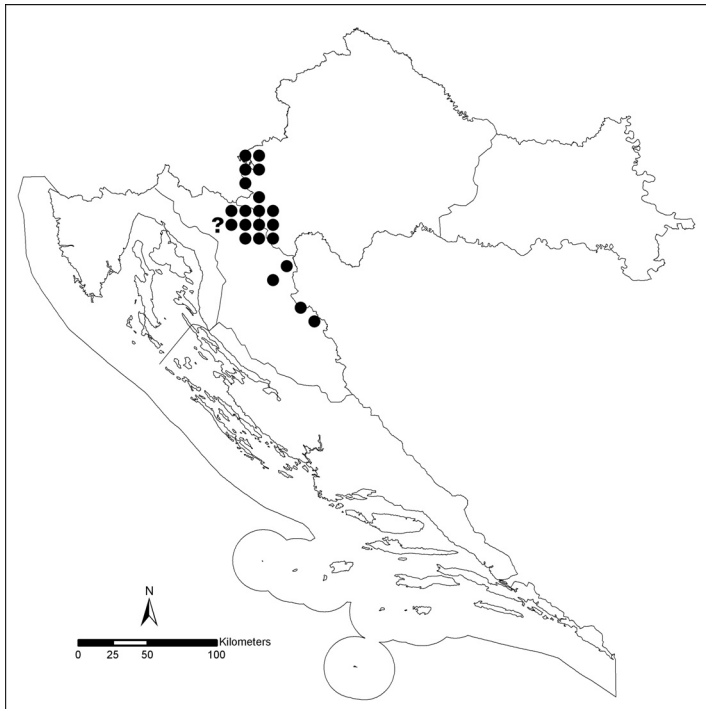


Fig. 19. Croatian distribution of *Titanethes albus*.

23. *Titanethes dahli* Verhoeff, 1926 (Tab. 24, Fig. 20)

Distribution: NE-Italy, Slovenia, Croatia: Istria (SCHMALFUSS, 2003)

Type locality: Divaška jama (cave, Slovenian cave cadastre no. 741), Divača, Slovenia [Divaca-Grotte, Krains (VERHOEFF, 1926)]

Ecological status: Troglotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 24. List of recorded localities for *Titanethes dahli*

Locality	UTM	Region	Source
Velebita (cave system), Crikvena, Velebit, Krasno	VK95	NL	CBSS collection 392
			BAKŠIĆ <i>et al.</i> , 2008
Jama kod Rašpora (cave), Rašpor, Lupoglav, Čičarija	VL23	NL	CBSS collection 393
Radota jama (cave), Rakitovec, Buzet, Čičarija	VL23	NL	CBSS collection 394
Jama kod crvenog gloga (cave), Mala Učka, Učka	VL31	NL	CBSS collection 395
Jama kod dječjeg oporavišta 2 (cave), Poklon, Učka	VL31	NL	CBSS collection 396
Jama kod Male Učke (cave), Mala Učka, Učka	VL31	NL	CBSS collection 397
Jama na Poklonu (cave), Poklon, Učka	VL31	NL	CBSS collection 398
Jama za greben (cave), Stražica, Poklon, Učka	VL31	NL	CBSS collection 399
K'Učka (cave), Jazvina, Vela Učka, Učka, Opatija	VL31	NL	CBSS collection 400
			MZUF collection 13
Pećina kod dječjeg oporavišta (cave), Poklon, Učka	VL31	NL	CBSS collection 401
Topolska peć (cave), Topol, Poklon, Učka	VL31	NL	CBSS collection 402
Babina jama (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CNHM collection 51
Barinova jama (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 403
Billova ponikva (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 404
Borušnjak 1 (cave), Bončića kuća, Borušnjak, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 405
Borušnjak 3 (cave), Bončića kuća, Borušnjak, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 406
Bršljanovica (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 407
Jama ispod Tominićevog brega (cave), Tominićev breg, Brest pod Učkom, Lupoglav, Čičarija	VL32	NL	CBSS collection 408
Jama na prevojiću (cave), Popova voda, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 409
Jama pod Boljunskim dolom (cave), Boljunski dol, Brgudac, Lupoglav, Čičarija	VL32	NL	CBSS collection 410
Jama pod križ (cave), Podbrus, Semići, Čičarija, Lupoglav	VL32	NL	CBSS collection 411
Mali Borušnjak 6 (cave), Borušnjak, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 412
Novogodišnja jama (cave), Bačvenik, Dolenja Vas, Lupoglav, Čičarija	VL32	NL	CBSS collection 413
Oštirova jama (cave), Vojni poligon iznad Bresta, Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 414
Pećina pod Stržen (cave), Stržen, Brgudac, Čičarija, Lupoglav	VL32	NL	CBSS collection 415
Pećina poli Vrtića (cave), Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 416
SDB (cave), Golubine, Brgudac, Lupoglav, Čičarija	VL32	NL	CNHM collection 52
			CBSS collection 417

SDB 2 (cave), Brgudac, Lupoglav, Čičarija	VL32	NL	CBSS collection 418
			MZUF collection 14
SKH (cave), Golubine, Brgudac, Lupoglav, Čičarija	VL32	NL	CBSS collection 419
Vela peć (cave), Brest pod Učkom, Čičarija	VL32	NL	CBSS collection 420
Grnjača (cave), Grnjač, Lovranska Draga, Učka, Lovran	VL41	NL	CBSS collection 421
Jama kod potoka Banine 3 (cave), Menderi, Veprinac, Učka	VL41	NL	CBSS collection 422
Jama na Lovranskim lazićima (cave), Lovranski lazići, Menderi, Veprinac, Učka	VL41	NL	CBSS collection 423
Jama pod Velikom Knezgradom (cave), Veliki Knezgrad, Tuliševica, Lovran, Učka	VL41	NL	CBSS collection 424
Kaverna u tunelu Učka (cave), Veprinac, Učka	VL41	NL	CBSS collection 425
Proletna jama (cave), Veliki Knezgrad, Lovranska Draga, Učka, Lovran	VL41	NL	CBSS collection 426
Blaževa jama (cave), Puži, Opatija	VL42	NL	FRANKENBERGER, 1939
			KARAMAN, 1966
Jama u Velim Sapcima 3 (cave), Mahenac, Veprinac, Opatija	VL42	NL	CBSS collection 427
Jama u Vetvi (cave), Vetven vrh, Poljane, Opatija, Čičarija	VL42	NL	CBSS collection 428
Pećina Ivana Stanića i Franja Stanić (cave), Puži, Opatija	VL42	NL	FRANKENBERGER, 1939
			KARAMAN, 1966
Pećina kod sela Puhari (cave), Puhari, Veprinac, Opatija	VL42	NL	CBSS collection 429
ZV – 1 (cave), Zvončev vrh, Veprinac, Opatija, Čičarija	VL42	NL	CBSS collection 430
Casello ferroviario (cave), Permani, Opatija	VL43	NL	WOLF, 1938 ²
			STROUHAL, 1939b
Pećina Marije Ružić, Permani (cave), Opatija	VL43	NL	FRANKENBERGER, 1939
			KARAMAN, 1966
Vrelo (cave), Fužine	VL71	NL	CBSS collection 431
			OZIMEC <i>et al.</i> , 2011a
Hircova jama (cave), Kaličak, Crni Lug, Risnjak	VL73	M	CBSS collection 432
Kapaljka 1 (cave), Gerovo, Risnjak	VL73	NL	CBSS collection 433
Nacina jama (cave), Gerovo, Risnjak	VL73	NL	CBSS collection 434
Ruševina (cave), Japetova šegina, Gerovo, Risnjak	VL73	M	CBSS collection 435
Štemajzlinka (cave), Japetova šegina, Gerovo, Risnjak	VL73	M	CBSS collection 436
Trlica 1 (cave), Gerovo, Risnjak	VL73	M	CBSS collection 437
Vele vode (sinkhole), Crni Lug	VL73	M	CBSS collection 438
Bukovac (cave), Vrata, Lokve, Delnice	VL82	M	STROUHAL, 1939b
Ledena špilja (cave), Golubinjak, Lokve, Delnice	VL82	M	STILLER, 1911a ¹
			LANGHOFFER, 1915a ²
			STROUHAL, 1939b
Lokvarka (cave), Lokve, Delnice	VL82	M	STROUHAL, 1939a
			STROUHAL, 1939b
			KARAMAN, 1966
			CASALE <i>et al.</i> , 2004
Nove jame (cave), Lokve, Delnice	VL82	M	STROUHAL, 1939b
Pustinja (cave), Delnice	VL82	M	STILLER, 1913 ¹
			LANGHOFFER, 1915a ²
			STROUHAL, 1939b
Jama iznad Hajdove hiže (cave), Kuželj, Delnice	VL83	M	CBSS collection 439

Markov ponor (sinkhole), Lipovo Polje, Donji Kosinj, Otočac	WK15	M	CNHM collection 53
			CBSS collection 440
			MZUF collection 15
			JALŽIĆ, 2001
Siničića špilja (cave), Kalanj, Brinje	WK18	M	CNHM collection 54
Crnačka špilja (cave), Crnačko polje, Obajdini, Jezerane, Velika Kapela	WK19	M	CBSS collection 441
			MZUF collection 16
Rokina bezdana (cave), Crnačko polje, Jezerane, Velika Kapela	WK19	M	CBSS collection 442
Veliki (cave), Kosinj, Otočac	WK25	M	STROUHAL, 1939b
Samograd (cave), Perušić, Gospić	WK34	M	STROUHAL, 1939b
Sitvukova pećina (cave), Perušić, Gospić	WK34	M	CNHM collection 55
			LANGHOFFER, 1912 ²
			LANGHOFFER, 1915b ²
			CSIKI, 1926 ²
			STROUHAL, 1939b
Luška špilja (cave), Debeli lug, Bjelsko, Ogulin	WL00	M	CNHM collection 56
			CBSS collection 443
			LANGHOFFER, 1912 ²
			LANGHOFFER, 1915b ²
			CSIKI, 1926 ²
Sušik (sinkhole), Drežničko polje, Drežnica, Velika Kapela	WL00	M	STROUHAL, 1939b ²
Sušik (sinkhole), Drežničko polje, Drežnica, Velika Kapela	WL00	M	CBSS collection 444
Vidovića špilja (cave), Drežničko polje, Drežnica, Velika Kapela, Ogulin	WL00	M	CNHM collection 57
			CBSS collection 445
Špilja pod Mačkovom dragom (cave), Mačkova draga, Jasenak, Ogulin	WL01	M	CNHM collection 58
			CBSS collection 446
			MZUF collection 17
Lištrovica (cave), Brezno, Bjelsko, Velika Kapela, Ogulin	WL10	M	CBSS collection 447
Zagorska peć (cave), Desmerice, Zagorje, Ogulin	WL10	M	CNHM collection 59
			CBSS collection 448
			JURINAC, 1886 ²
			JURINAC, 1888 ²
			LANGHOFFER, 1912 ²
			CSIKI, 1926 ²
			STROUHAL, 1939b ²
OZIMEC, 2009 ²			
Đulin ponor – Medvedica (cave system), Ogulin	WL11	M	CBSS collection 449
			MZUF collection 18
			STROUHAL, 1939b
Ambarac (sinkhole), Oštarije, Ogulin	WL20	M	CNHM collection 60
Mandelaja (cave), Oštarije, Ogulin	WL20	M	CBSS collection 450
Gojak (spring cave), Gojak, Ogulin	WL21	M	CNHM collection 61
			CBSS collection 451
Hajdučka pećina (cave), Bistrac, Gornje Dubrave, Ogulin	WL21	M	CBSS collection 452
Perčevića špilja (cave), Kanjon Tounjčice, Tounj	WL21	M	CNHM collection 62
Tounjčica (cave), Kanjon Tounjčice, Tounj	WL21	M	CBSS collection 453
Tržička špilja (cave), Šimić brdo, Tržić Primišljanski, Tounj	WL30	M	CNHM collection 63
Pećina Bivio Beruča (cave), Grošovići, Opatija	VL	NL	FRANKENBERGER, 1939
Likar ponor (sinkhole), Pazarište	WK	M	ERHARD, 1997

Langhofferova špilja (cave), Ogulin	WL	M	STROUHAL, 1939b
Zerngol špilja (cave), Ogulin	WL	M	STROUHAL, 1939b
Špilja kod Starigrada (cave)			STROUHAL, 1939b
Opatija surroundings		NL	FRANKENBERGER & STROUHAL, 1940
Istria		NL	HIRC, 1902 ²
			VERHOEFF, 1931c
			SCHMALFUSS, 2003
Gorski Kotar			SKET, 1986
Region from Lokve and Ogulin till Gospić and Perušić		M	FRANKENBERGER <i>et</i> STROUHAL, 1940
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			TABACARU, 1996
			POTOČNIK, 1989
MISIDENTIFICATION			
Medina špilja, Perušić, Gospić ^{4*}	WK34	M	LANGHOFFER, 1912 ²
			LANGHOFFER, 1915b ²
			CSIKI, 1926 ²
			STROUHAL, 1939b

*Examination of the CNHM collection (Crustacea, leg. A. Langhoffer, 14.08.1902.) shows that the female specimen probably belongs to the genus *Alpioniscus*.

¹*Titanethes*

²*Titanethes albus*

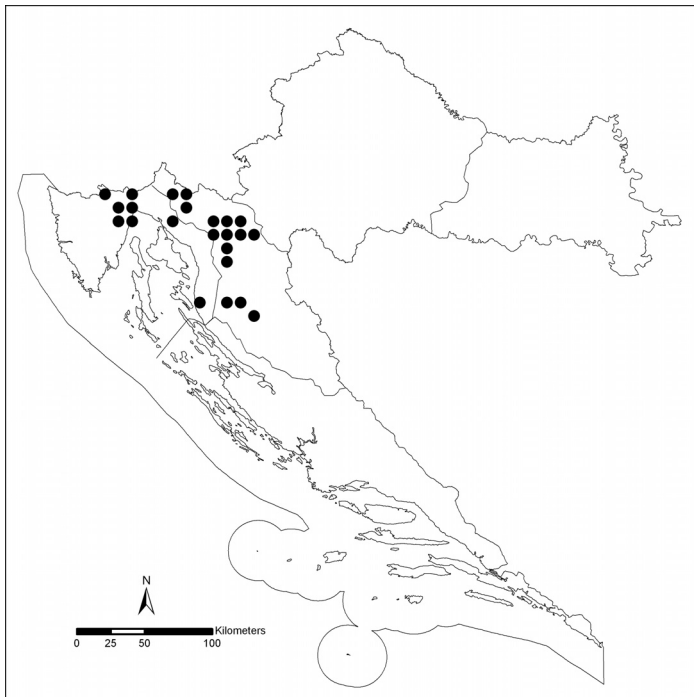


Fig. 20. Croatian distribution of *Titanethes dahli*.

24. *Cyphonethes herzegowinensis* (Verhoeff, 1900) (Tab. 25, Fig. 21)

Synonyms: *Titanethes herzegowinensis* Verhoeff, 1900

Distribution: SW-Herzegovina (SCHMALFUSS, 2003); Croatia (POTOČNIK, 1989)

Type locality: Ilijina pećina (cave); Absturz-Höhle (cave); Vučja pećina (cave) and Matulićeva pećina (cave), Trebinje, Bosnia and Herzegovina [Bei Trebinje... Elias-Höhle, Absturz-, Wolfs- und Matulic-Höhle (VERHOEFF, 1900)]

Ecological status: Troglotic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

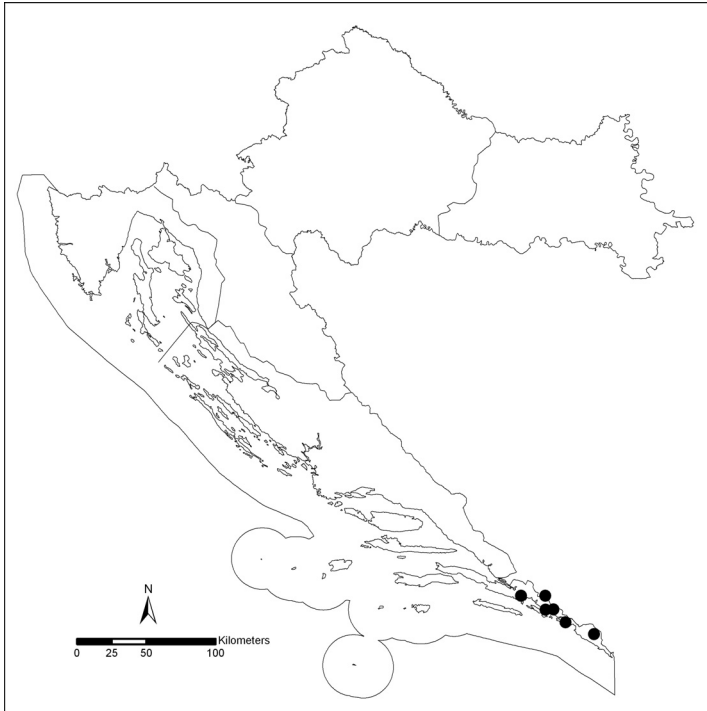


Fig. 21. Croatian distribution of *Cyphonethes herzegowinensis*.

Tab. 25. List of recorded localities for *Cyphonethes herzegowinensis*

Locality	UTM	Region	Source
Aragonka (cave), Ljubač, Dubrovnik	BN53	SL	CBSS collection 454
Banova ljut (cave), Ljubač, Dubrovnik	BN53	SL	CBSS collection 455
Debela ljut (cave), Ljubač, Dubrovnik	BN53	SL	CBSS collection 456
Jama na vrh Vrguda (cave), Vrgud, Osojnik, Dubrovnik	BN53	SL	CBSS collection 457
Jama u Zabirađu (cave), Zabirađe, Osojnik, Dubrovnik	BN53	SL	CBSS collection 458
Močiljska špilja (cave), Somino brdo, Osojnik, Dubrovnik	BN53	SL	CBSS collection 459
			STROUHAL, 1939b
			OZIMEC, 2005
Vilina špilja – Ombla (cave system), Komolac, Dubrovnik	BN62	SL	CNHM collection 64

Jezero (cave), Kuna Konavoska, Sniježnica, Cavtat	BN81	SL	FRANKENBERGER, 1939 STROUHAL, 1939b
Škrabuljica (cave), Mali Orah, Kuna Konavoska, Sniježnica, Cavtat	BN81	SL	FRANKENBERGER, 1939
Vilenska jama (cave), Ston, Pelješac	YH24	SL	STROUHAL, 1939b
Kukova peć (cave), Brsečine, Trsteno, Dubrovnik	YH43	SL	CBSS collection 460
Vitkovača (cave), Mravinjac, Trsteno, Dubrovnik	YH43	SL	CBSS collection 461
Zadubravica (cave), Zadubravica, Riđica, Dubrovnik	YH44	SL	CBSS collection 462
Pelješac region		SL	FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Dubrovnik region		SL	SKET, 2003
Wesern Pelješac		SL	SKET, 1986
Dalmatia		SL	KARAMAN, 1966
Southern Croatia		SL	TABACARU, 1996
From the Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

25. *Trichoniscus matulici matulici* Verhoeff, 1901 (Tab. 26, Fig. 22)

- Synonyms: *Trichoniscus omblae* Verhoeff, 1901; *T. remyi* Verhoeff, 1933; *T. sorrentinus* Verhoeff, 1908; *T. stygius* Verhoeff, 1901; *T. turgidus* Verhoeff, 1929
- Distribution: Southern Italy including Sicily, Croatia, Bosnia and Herzegovina, Serbia and Montenegro (SCHMALFUSS, 2003); Slovenia (VILISICS & LAPANJE, 2005)
- Type locality: South Herzegovina (rock springs) [Südherzegowina an Felsenquellen (VERHOEFF, 1901)]
- Ecological status: Troglophilic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

Tab. 26. List of recorded localities for *Trichoniscus matulici matulici*

Locality	UTM	Region	Source
Garden of Biological institute Lapad, Lapad, Dubrovnik	BN52	SL	BUTUROVIĆ, 1955b
Rov na Lapadu, Lapad, Dubrovnik	BN52	SL	BUTUROVIĆ, 1955b
Aragonka (cave), Ljubač, Dubrovnik	BN53	SL	CBSS collection 463
Banova ljut (cave), Ljubač, Dubrovnik	BN53	SL	CBSS collection 464
Debela ljut (cave), Ljubač, Dubrovnik	BN53	SL	CBSS collection 465
Jama na vrh Prodoli (cave), Ljubač, Dubrovnik	BN53	SL	CBSS collection 466
Jama na vrh Vrguda (cave), Vrgud, Osojnik, Dubrovnik	BN53	SL	CBSS collection 467
Jama u Zabirađu (cave), Osojnik, Dubrovnik	BN53	SL	CBSS collection 468
Jama uz stazu na Sv. Nikoli (cave), Orašac, Dubrovnik	BN53	SL	CBSS collection 469
Kaverna uz cestu iznad Gromače (cave), Gromača, Dubrovnik	BN53	SL	CBSS collection 470
Močiljska špilja (cave), Somino brdo, Osojnik, Dubrovnik	BN53	SL	CBSS collection 471
			BUTUROVIĆ, 1955b
			KARAMAN, 1966
Rudina jama (cave), Gromača, Dubrovnik	BN53	SL	CBSS collection 472
Špilja ispod Krsta (cave), Na Krst, Loznica, Zaton, Dubrovnik	BN53	SL	CBSS collection 473

Špilja na vrh Krčevina (cave), Krčevine, Gromača, Orašac, Dubrovnik	BN53	SL	CBSS collection 474
Karle (cave), Gruž, Dubrovnik	BN62	SL	STROUHAL, 1939e
Ombla (river bank), Dubrovnik	BN62	SL	VERHOEFF, 1901
			CSIKI, 1926
			VANDEL, 1946
			VANDEL, 1955
Sumporača mala (cave), Komolac, Dubrovnik	BN62	SL	CBSS collection 475
Vilina špilja – Ombla (cave system), Komolac, Dubrovnik	BN62	SL	CBSS collection 476
			BUTUROVIĆ, 1955b
			KARAMAN, 1966
Krivača (cave), Osojnik, Dubrovnik	BN63	SL	CBSS collection 477
Špilja u Gaju (cave), Osojnik, Dubrovnik	BN63	SL	CBSS collection 478
Đurovića špilja (cave), Đurovići, Cavtat, Konavle	BN71	SL	STROUHAL, 1939e
Šipun (cave), Cavtat, Dubrovnik	BN71	SL	STROUHAL, 1939a
			STROUHAL, 1939e
			BUTUROVIĆ, 1955b
			VANDEL, 1955
KARAMAN, 1966			
Male ponte (cave), Grabova glava, Ropa, Mljet	XH93	SL	CBSS collection 479
Špilja kod Solina (cave), Soline, Mljet	XH93	SL	CBSS collection 480
Jarač na ponti od Graca (cave), Polače, Mljet	XH94	SL	CBSS collection 481
Jama za Svetim Ilijom (cave), Babino Polje, Mljet	YH03	SL	CBSS collection 482
Jama za Svetim Spasom (cave), Babino Polje, Mljet	YH03	SL	CBSS collection 483
Movrica (cave), Dračevac, Babino Polje, Mljet	YH03	SL	CBSS collection 484
			STROUHAL, 1939e
Ostaševica (cave), Dračevac, Babino Polje, Mljet	YH03	SL	CBSS collection 485
Velika špilja (cave), Blata, Mljet	YH03	SL	CBSS collection 486
Galičnjak (cave), Okuklje, Mljet	YH13	SL	CBSS collection 487
			MICULINIĆ, 2008
Jama za Svetim Ivanom (cave), Babino Polje, Mljet	YH13	SL	CBSS collection 488
Kukova peć (cave), Brsečine, Trsteno, Dubrovnik	YH43	SL	CBSS collection 489
Pasja jama (cave), Brsečine, Trsteno, Dubrovnik	YH43	SL	CBSS collection 490
Zečja jama (cave), Kliševo, Dubrovnik	YH43	SL	CBSS collection 491
Zadubravica (cave), Zadubravica, Riđica, Dubrovnik	YH44	SL	CBSS collection 492
Lapađ, Dubrovnik	BN52	SL	KARAMAN, 1966
Mljet		SL	FRANKENBERGER & STROUHAL, 1940
			VANDEL, 1946
			KARAMAN, 1966
Southern Dalmatia		SL	FRANKENBERGER & STROUHAL, 1940
			VANDEL, 1946
			SKET, 2003
From The Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989
			SCHMALFUSS, 2003

26. *Trichoniscus matulici metkovicensis* Buturović, 1955 (Tab. 27, Fig. 22)

Distribution: Croatia (POTOČNIK, 1989)

Type locality: Čočina jama (cave), Bebići, Metković, Dalmatia, Croatia [Čočina jama kod Bebića sela (BUTUROVIĆ, 1955b)]

Ecological status: Troglophilic

Tab. 27. List of recorded localities for *Trichoniscus matulici metkovicensis*

Locality	UTM	Region	Source
Kuna (cave), Čedor, Biokovo, Makarska	XH69	SL	CBSB collection 493
Mravinjuša jama (cave), Lozovci, Župa, Biokovo, Zagvozd	XJ70	SL	CNHM collection 65 CBSB collection 494
Čočina jama (cave), Bebići, Metković	YH07	SL	BUTUROVIĆ, 1955b
			BUTUROVIĆ, 1955c
			KARAMAN, 1966
			BEDEK <i>et al.</i> , 2006
Biokovo		SL	OZIMEC, 2008 ¹
			BEDEK, 2011
Croatia			POTOČNIK, 1989

¹ *Trichoniscus matulici*

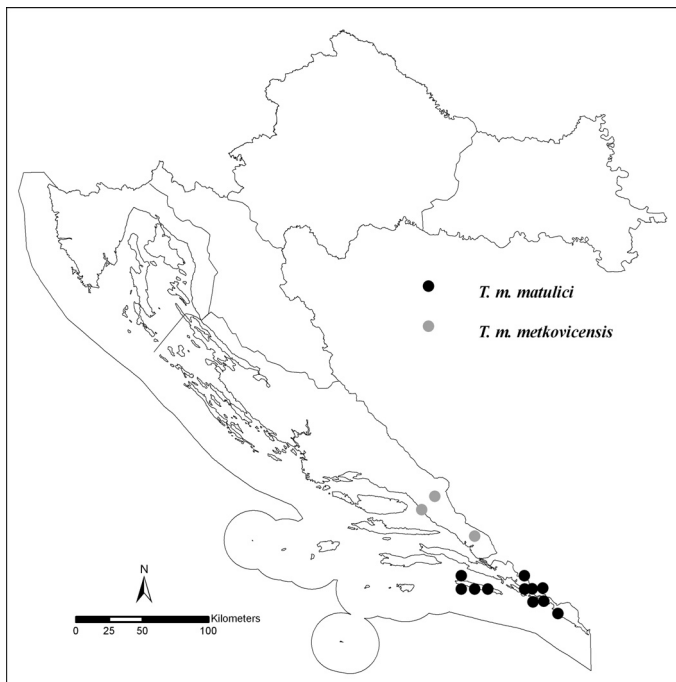


Fig. 22. Croatian distribution of *Trichoniscus matulici*.

TRICHONISCIDAE: HAPLOPHTHALMINAE

27. *Strouhaloniscellus biokovoensis* Bedek et Taiti, 2009 (Tab. 28, Fig. 23)

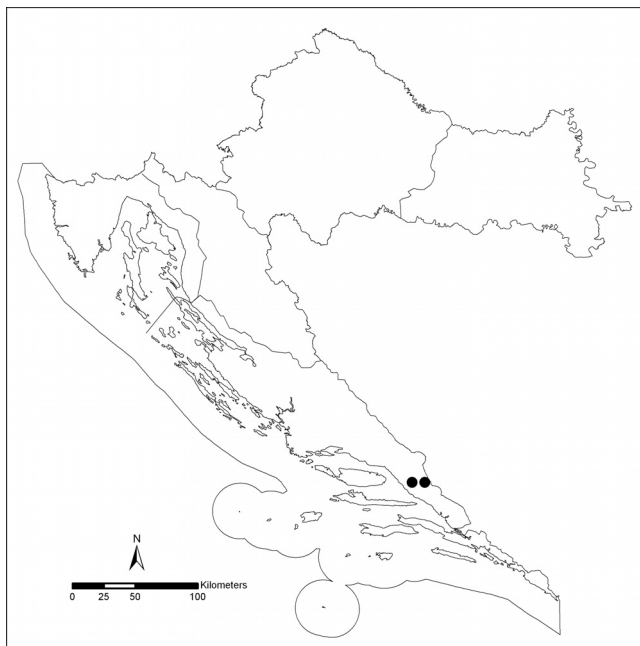
Distribution: Croatia: Mt. Biokovo (BEDEK & TAITI, 2009)

Type locality: Jama iznad Saranača (cave), Saranač, Gornje Igrane, Podgora, Biokovo, Dalmatia (BEDEK & TAITI, 2009)

Ecological status: Troglotic (BEDEK & TAITI, 2009)

Tab. 28. List of recorded localities for *Strouhaloniscellus biokovoensis*

Locality	UTM	Region	Source
Jama iznad Saranača (cave), Saranač, Gornje Igrane, Podgora, Biokovo	XH79	SL	CBSS collection 495
			MZUF collection 19
			BEDEK & TAITI, 2009
			BEDEK, 2010
Velika špilja (cave), Antunovići, Biokovo, Kozica	XH89	SL	CBSS collection 496
Biokovo		SL	BEDEK, 2011
			OZIMEC <i>et al.</i> , 2011c

**Fig. 23.** Distribution of *Strouhaloniscellus biokovoensis*.**28. *Troglyphoniscus absoloni* Strouhal, 1939** (Tab. 29, Fig. 24)

Distribution: Croatia: the island of Mljet (SCHMALFUSS, 2003)

Type locality: Movrica (cave), Dračevac, Babino Polje, the island of Mljet, Dalmatia, Croatia [Movrica auf der Insel Mljet (Meleda); BB Nr. 661 (STROUHAL, 1939c)]

Ecological status: This species is known as troglobiotic (STROUHAL, 1940a; BUTUROVIĆ, 1957), but it has to be considered as troglophilic since it occurs at cave entrances and eyes are present.

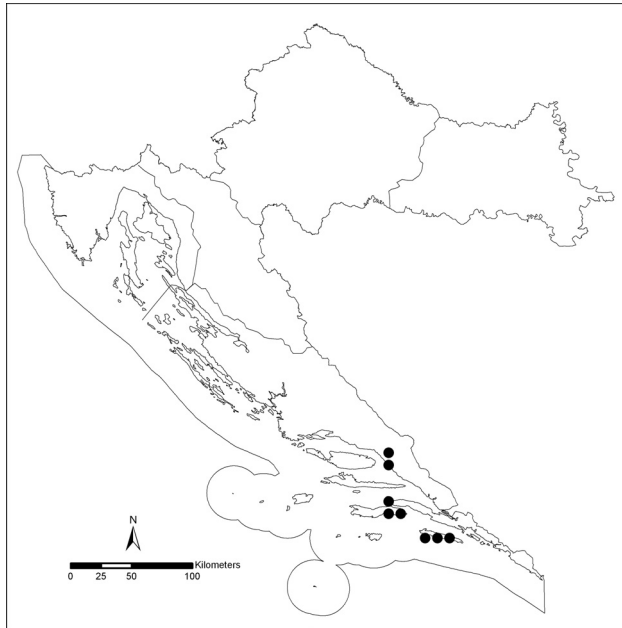


Fig. 24. Distribution of *Troglocyphoniscus absoloni*.

Tab. 29. List of recorded localities for *Troglocyphoniscus absoloni*

Locality	UTM	Region	Source
Polušpilja ispod kuće u Bastu (cave), Bast, Biokovo, Baška Voda	XJ60	SL	CBSS collection 497
Jama na Mehovnju (cave), Veliki hom, Postrane, Žrnovo, Korčula	XH65	SL	CBSS collection 498
Jama u Dubokom dolu (cave), Duboki dol, Pupnat, Korčula	XH65	SL	CBSS collection 499
Samograd (cave), Račišće, Korčula	XH66	SL	CBSS collection 500
Bubnjavača (cave), Veprinac, Biokovo, Makarska	XH69	SL	CBSS collection 501
Jakasova špilja (cave), Glava, Rasohatica, Žrnovo, Korčula	XH75	SL	CBSS collection 502
Špilja kod Solina (cave), Soline, Mljet	XH93	SL	CBSS collection 503 MZUF collection 20
Movrica (cave), Dračevac, Babino Polje, Mljet	YH03	SL	STROUHAL, 1939a STROUHAL, 1939c STROUHAL, 1939e STROUHAL, 1940b VANDEL, 1946 ARCANGELI, 1947 KARAMAN, 1966 BEDEK <i>et al.</i> , 2006 JALŽIĆ <i>et al.</i> , 2010

Galičnjak (cave), Okuklje, Mljet	YH13	SL	CBSS collection 504
Mljet		SL	SCHMÖLZER, 1965a
			TABACARU, 1993
			SCHMALFUSS, 2003
			OZIMEC & BEDEK, 2005
From the Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

29. *Cyphopleon kratochvili* (Frankenberger, 1939) (Tab. 30, Fig. 25)

Synonyms: *Cyphoniscellus kratochvili* Frankenberger, 1939

Distribution: Croatia: central Dalmatia (SCHMALFUSS, 2003)

Type locality: Špilja na Svilaji planini (cave), Mt. Svilaja, Vrljika, Dalmatia, Croatia [einer Höhle an der Svilaja Planina (Mitteldalmatien) (FRANKENBERGER, 1939)]

Ecological status: Troglophilic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

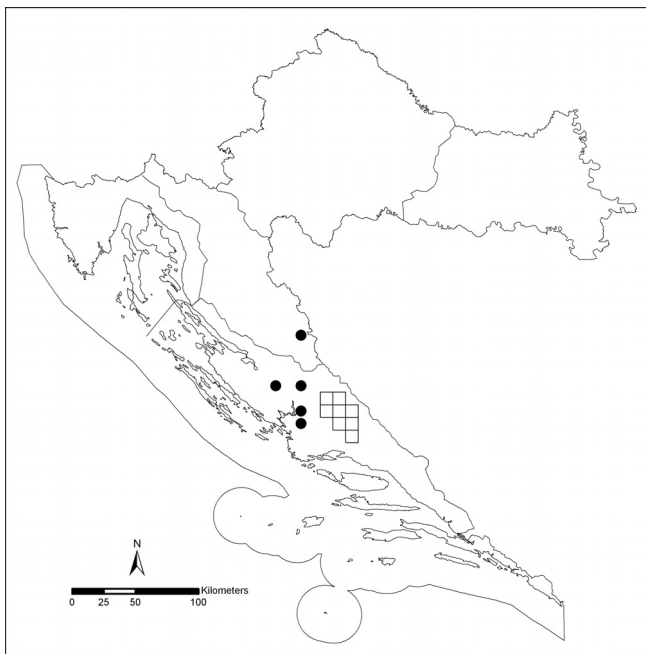


Fig. 25. Distribution of *Cyphopleon kratochvili*.

Tab. 30. List of recorded localities for *Cyphopleon kratochvili*

Locality	UTM	Region	Source
Miljacka II (cave), Krka, Oklaj, Knin	WJ67	SL	CBSS collection 505
			MZUF collection 21
Špilja kod Mlina na Miljacki (cave), Krka, Oklaj, Knin	WJ67	SL	CBSS collection 506

Stara jametina (cave), Punčka draga, G. Krnići, Konjevrate, Šibenik	WJ84	SL	CBSS collection 507
Jama nasuprot Torka (cave), Torak, kanjon Čikole, Ključ, Driš	WJ85	SL	CBSS collection 508
Topla peć (cave), Ključ, Čikola, Skradin	WJ85	SL	CBSS collection 509
Sedrena špilja iza mlina (cave), kanjon Krke, Burze, Kistanje, Knin	WJ87	SL	CBSS collection 510
Golubnjača (cave), Srebrnički potok, Hajdarovci, Srb, Plješivica	WK81	M	BUTUROVIĆ, 1963
Špilja na Svilaji planini (cave), Svilaja, Vrljika	XJ	SL	FRANKENBERGER, 1939
			FRANKENBERGER, 1940
			KARAMAN, 1966
			SCHMIDT & LEISTIKOW, 2004
			BEDEK <i>et al.</i> , 2006
Middle Dalmatia		SL	TABACARU, 1993
Central Dalmatia		SL	SCHMÖLZER, 1965a
			SCHMALFUSS, 2003
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			POTOČNIK, 1989

30. *Cyphoniscellus herzegowinensis* (Verhoeff, 1900) (Tab. 31, Fig. 26)

Synonyms: *Cyphoniscus herzegowinensis* Verhoeff, 1900

Distribution: Herzegovina (SCHMALFUSS, 2003); Croatia (POTOČNIK, 1989)

Type locality: Vučja pećina (cave), Trebinje, Bosnia and Herzegovina [Wolfshöhle bei Trebinje (VERHOEFF, 1900)]

Ecological status: Troglophilic (STROUHAL, 1940a; BUTUROVIĆ, 1957)

All known localities are subterranean, and the species is often found deep in caves, so this species is most probably troglotrophic.

Tab. 31. List of recorded localities for *Cyphoniscellus herzegowinensis*

Locality	UTM	Region	Source
Aragonka (cave), Ljubač, Dubrovnik	BN53	SL	CBSS collection 511
Jama na vrh Vrguda (cave), Vrgud, Osojnik, Dubrovnik	BN53	SL	CBSS collection 512
Močiljska špilja (cave), Somino brdo, Osojnik, Dubrovnik	BN53	SL	CNHM collection 66
			CBSS collection 513
			OZIMEC, 2005
Šipun (cave), Cavtat, Dubrovnik	BN71	SL	STROUHAL, 1939c
			STROUHAL, 1939e
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Vilina pećina (cave), Gruda, Konavle, Cavtat	BN80	SL	FRANKENBERGER, 1939
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Samograd (cave), Račišće, Korčula	XH66	SL	CBSS collection 514

Vilenska peć (cave), Ogradenica, Gumanca, Majkovi, Slano	YH34	SL	CBSS collection 515
Southern Dalmatia		SL	STROUHAL, 1940b
From the Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

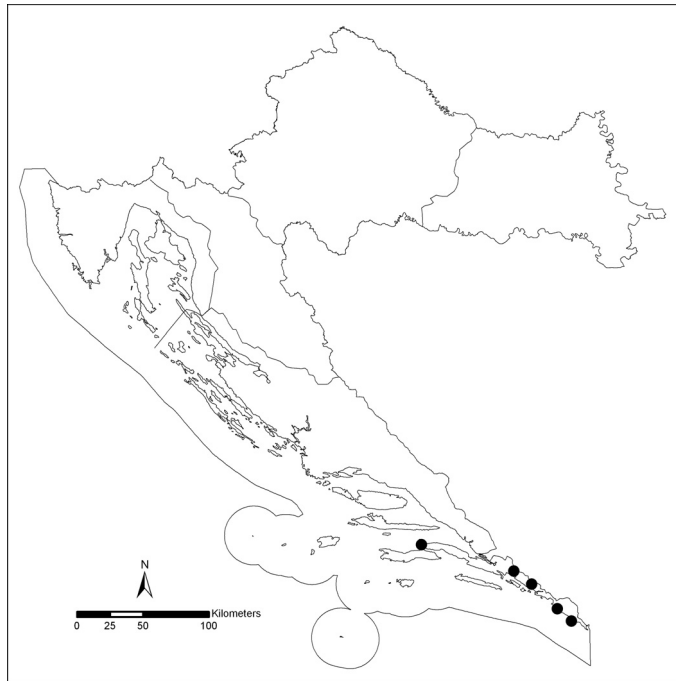


Fig. 26. Croatian distribution of *Cyphoniscellus herzegowinensis*.

TRICHONISCIDAE: BUDELUNDIELLINAE

31. *Buddelundiella cataractae* Verhoeff, 1930 (Tab. 32, Fig. 27)

Distribution: Europe (SCHMALFUSS, 2003)

Type locality: Krka (river, between waterfalls), Skradin, Dalmatia, Croatia [zwischen den Kerkawasserfällen Mitteldalmatiens oberhalb Skardona (VERHOEFF, 1930)]

Ecological status: Widespread species, already recorded in caves in Liguria (VANDEL, 1960b) and in Sicily (CARUSO & BRISOLESE, 1974), common in caves in Croatia, thus we consider it a troglophilic species.

Tab. 32. List of recorded localities for *Buddelundiella cataractae*

Locality	UTM	Region	Source
Sumporača (cave), Komolac, Dubrovnik	BN62	SL	CBSS collection 516
Đurovića špilja (cave), Đurovići, Cavtat, Konavle	BN71	SL	CBSS collection 517

Urinjska špilja (cave), Urinj, Kostrena, Rijeka	VL61	NL	CBSS collection 518 LUKIĆ <i>et al.</i> , 2011 ¹
Mandalina (cave), Šibenik	WJ74	SL	CBSS collection 519
Krka (river, between waterfalls), Skradin	WJ75	SL	VERHOEFF, 1930
			SCHMÖLZER, 1965a
			FLASAROVÁ, 1966
			KARAMAN, 1966
Dalmatia		SL	VERHOEFF, 1931c
Croatia			PAOLETTI, 1978

¹ *Buddelundiella cf. cataractae*

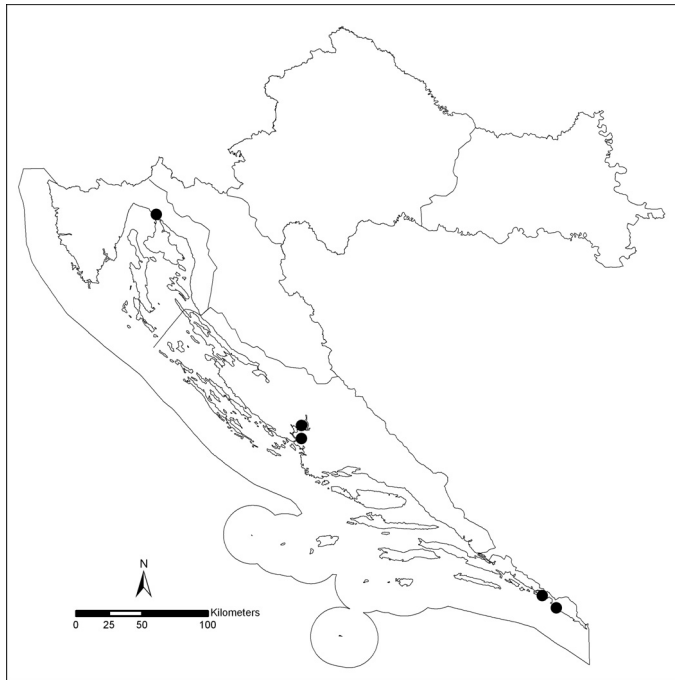


Fig. 27. Croatian distribution of *Buddelundiella cataractae*.

TRICHONISCIDAE: THAUMATONISCELLINAE

32. *Thaumatoniscellus speluncae* Karaman, Bedek *et* Horvatović, 2009 (Tab. 33, Fig. 28)

Distribution: Croatia: Mt. Učka (KARAMAN *et al.*, 2009)

Type locality: Jama kod potoka Banine 3 (cave), Menderi, Veprinac, Učka, Croatia [Pit 3 near Banina Stream (KARAMAN *et al.*, 2009)]

Ecological status: Troglotibiotic (KARAMAN *et al.*, 2009)

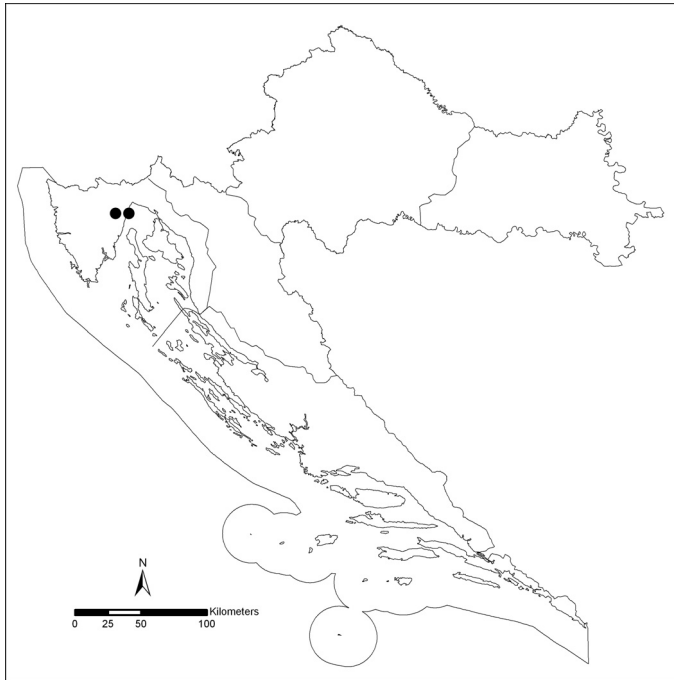


Fig. 28. Distribution of *Thaumatoniscellus speluncae*.

Tab. 33. List of recorded localities for *Thaumatoniscellus speluncae*

Locality	UTM	Region	Source
Jama iznad Vranjske drage (cave), Pikulići, Boljun, Vela draga, Učka	VL31	NL	CBSS collection 520
			MZUF collection 22
Jama kod potoka Banine 3 (cave), Menderi, Veprinac, Učka	VL41	NL	CBSS collection 521
			DBE collection 1
			KARAMAN <i>et al.</i> , 2009
			JALŽIĆ <i>et al.</i> , 2010

PHILOSCIIDAE

33. *Chaetophiloscia cellaria* (Dollfus, 1884) (Tab. 34, Fig. 29)

Synonyms: *Chaetophiloscia italica* (Verhoeff, 1901); *C. magnopunctata* (Strouhal, 1929); *C. pallida* Verhoeff, 1928; *C. piligera* Verhoeff, 1908; *C. pseudocellaria* (Arcangeli, 1934); *C. solerii* (Arcangeli, 1937); *Neophiloscia magnopunctata* Strouhal, 1929; *Philoscia cellaria* Dollfus, 1884; *P. italica* Verhoeff, 1901; *P. pseudocellaria* Arcangeli, 1934; *P. solerii* Arcangeli, 1937

Distribution: Northern Mediterranean region from Spain to Greece (SCHMALFUSS, 2003)

Type locality: Beaune (basements), Côte-d'Or, France [caves de Beaune (Côte-d'Or) (DOLLFUS, 1884)]

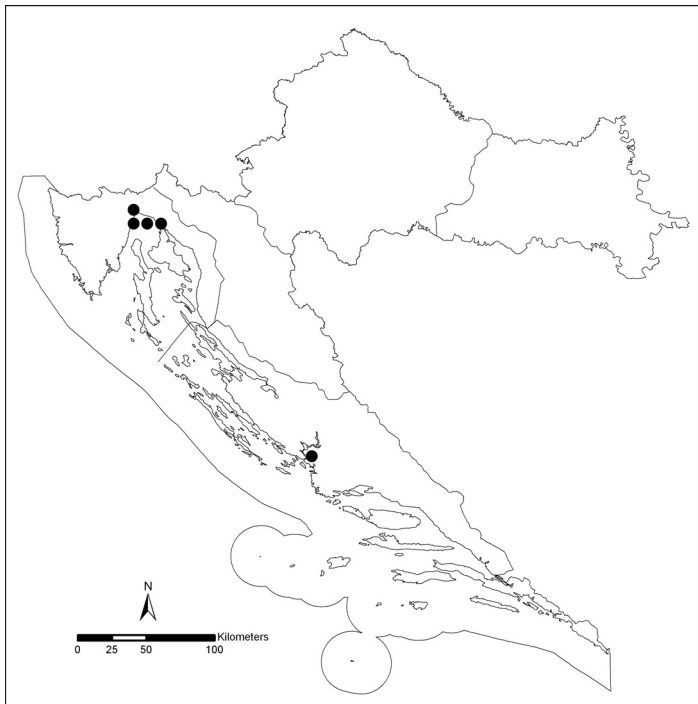
Ecological status: Troglophilic (VANDEL, 1962)

Tab. 34. List of recorded localities for *Chaetophiloscia cellaria*

Locality	UTM	Region	Source
Rudnik u Medveji (mine), Medveja, Lovran	VL41	NL	CBSS collection 522
Opatija	VL42	NL	ARCANGELI, 1952
Špilja iznad ceste (cave), brodogradilište V. Lenac, Kostrena, Rijeka	VL51	NL	CBSS collection 523 LUKIĆ <i>et al.</i> , 2011
Mali štumbur (cave), Perilo, Kostrena, Rijeka	VL61	NL	CBSS collection 524 LUKIĆ <i>et al.</i> , 2011
Urinjska špilja (cave), Urinj, Kostrena, Rijeka	VL61	NL	CBSS collection 525 LUKIĆ <i>et al.</i> , 2011
Mandalina (cave), Šibenik	WJ74	SL	CBSS collection 526
Istria		NL	ARCANGELI, 1947 ARCANGELI, 1950 VANDEL, 1962
Croatia			POTOČNIK, 1989
MISIDENTIFICATION			
Galičnjak (cave), Okuklje, Mljet*			MICULINIĆ, 2008 ¹

*Examination of the collection shows that the specimens belong to other not yet identified species

¹*Chaetophiloscia cf. cellaria*

**Fig. 29.** Croatian distribution of *Chaetophiloscia cellaria*.

ONISCIDAE

34. *Oroniscus dalmaticus* Strouhal, 1937 (Tab. 35, Fig. 30)

Synonyms: *Strouhalius dalmaticus* (Strouhal, 1937); *Strouhaloniscus dalmaticus* (Strouhal, 1937)

Distribution: Croatia: Dalmatia (SCHMALFUSS, 2003)

Type locality: Vranjača (cave), Kotlenice, Dugopolje, Split, Dalmatia, Croatia [Höhle Vranjača« bei Dugopolje, am Fuße des Mosorgebirges; BB Nr. 334 (STROUHAL, 1937)]

Ecological status: Trogliphilic (STROUHAL, 1940a)

Tab. 35. List of recorded localities for *Oroniscus dalmaticus*

Locality	UTM	Region	Source
Jama u Bratušu (cave), Bratuš, Makarska	XH69	SL	CBSS collection 527
			MZUF collection 23
Kuna (cave), Čedor, Biokovo, Makarska	XH69	SL	CBSS collection 528
Gradska spila (cave), Župa, Biokovo, Zagvozd	XH79	SL	CBSS collection 529
Matijaševa špilja (cave), Župa, Biokovo, Zagvozd	XH79	SL	CBSS collection 530
Poskokova rupa (cave), Župa, Biokovo, Zagvozd	XH79	SL	CBSS collection 531
Stonjska peč donja (cave), Župa, Biokovo, Zagvozd, Zagvozd	XH79	SL	CBSS collection 532
Tučepska vilenjača (cave), Ravna vlaška, Biokovo, Tučepi	XH79	SL	CBSS collection 533
Vranjača (cave), Kotlenice, Mosor, Dugopolje, Split	XJ32	SL	STROUHAL, 1937
			ARCANGELI, 1939b
			FRANKENBERGER & STROUHAL, 1940
			SCHMÖLZER, 1965a
			KARAMAN, 1966
BEDEK <i>et al.</i> , 2006			
Drinova II (cave), Drinova, Gornja Brela, Biokovo, Brela	XJ50	SL	CBSS collection 534
Jama iznad Prozorčića (cave), Nevistine stine, Gornja Brela, Biokovo, Brela	XJ50	SL	CBSS collection 535
Jamina (cave), Nevistine stine, Gornja Brela, Biokovo, Brela	XJ50	SL	CBSS collection 536
Male spile (cave), Crvene stine, Topići, Biokovo, Baška Voda	XJ50	SL	CBSS collection 537
Kukor (cave), Bast, Biokovo, Baška Voda	XJ60	SL	CBSS collection 538
Mala jama u stijenama (cave), Spiljice, Kaoci, Mucići, Biokovo, Zagvozd	XJ60	SL	CBSS collection 539
Ograđena špilja pod Sv. Juirom (cave), Sv. Jure, Biokovo, Makarska	XJ60	SL	CBSS collection 540
Pećina kod Zagvozda (cave), Zagvozd, Biokovo	XJ60	SL	BUTUROVIĆ, 1955c
			KARAMAN, 1966

Pećina u Sridnjoj gori (cave), Sridnja gora, Zagvozd, Biokovo	XJ60	SL	BUTUROVIĆ, 1955c KARAMAN, 1966
Pružina (cave), Prodani, Biokovo, Zagvozd	XJ60	SL	CBSS collection 541
Špilja u Bastu (cave), Bast, Biokovo, Baška Voda	XJ60	SL	CBSS collection 542
Čočina jama (cave), Bebići, Metković	YH07	SL	BUTUROVIĆ, 1955c KARAMAN, 1966
Biokovo		SL	OZIMEC, 2008 BEDEK, 2011
Mosor		SL	FRANKENBERGER, 1938b
Dalmatia			GOTTSTEIN <i>et al.</i> , 2001 GOTTSTEIN MATOČEC <i>et al.</i> , 2002 SCHMALFUSS, 2003
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			POTOČNIK, 1989

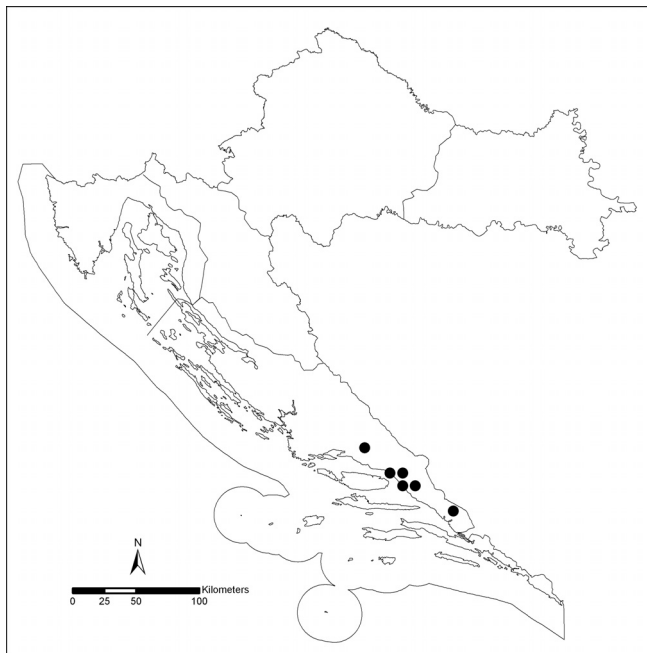


Fig. 30. Distribution of *Oniscus dalmaticus*.

35. *Oniscus meledensis* Strouhal, 1937 (Tab. 36, Fig. 31)

Synonyms: *Strouhalius meledensis* (Strouhal, 1937); *Strouhaloniscus meledensis* (Strouhal, 1937)

Distribution: Croatia: the island of Mljet (SCHMALFUSS, 2003)

Type locality: Ostaševica (cave), Dračevac, Babino Polje, the island of Mljet, Dalmatia, Croatia [»Špilja Ostaševica« auf der Insel Meleda; BB Nr. 660 (STROUHAL, 1937)]

Ecological status: Trogliphilic (STROUHAL, 1940a)

Tab. 36. List of recorded localities for *Oroniscus meledensis*

Locality	UTM	Region	Source
Ostaševica (cave), Dračevac, Babino Polje, Mljet	YH03	SL	STROUHAL, 1937
			STROUHAL, 1939e
			ARCANGELI, 1939b
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
			GOTTSTEIN <i>et al.</i> , 2001
			GOTTSTEIN MATOČEC <i>et al.</i> , 2002
BEDEK <i>et al.</i> , 2006			
Mljet		SL	FRANKENBERGER, 1938b
			SCHMÖLZER, 1965a
			SCHMALFUSS, 2003
From the Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

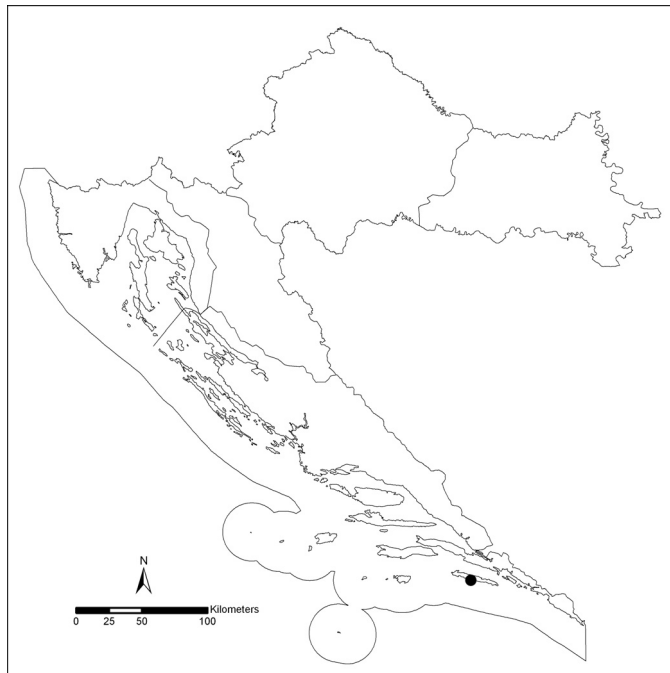


Fig. 31. Distribution of *Oroniscus meledensis*.

36. *Oroniscus stentai* (Arcangeli, 1926) (Tab. 37, Fig. 32)

Synonyms: *Porcellio stentai* Arcangeli, 1926; *Strouhalius stentai* (Arcangeli, 1926); *Strouhaloniscus stentai* (Arcangeli, 1926)

Distribution: Croatia (SCHMALFUSS, 2003)

Type locality: Činjadra (cave), Nerežišća, the island of Brač, Dalmatia, Croatia [Grotta Cinjadra nell'Isola Brazza (ARCANGELI, 1926)]

Ecological status: Troglophilic (STROUHAL, 1940a)

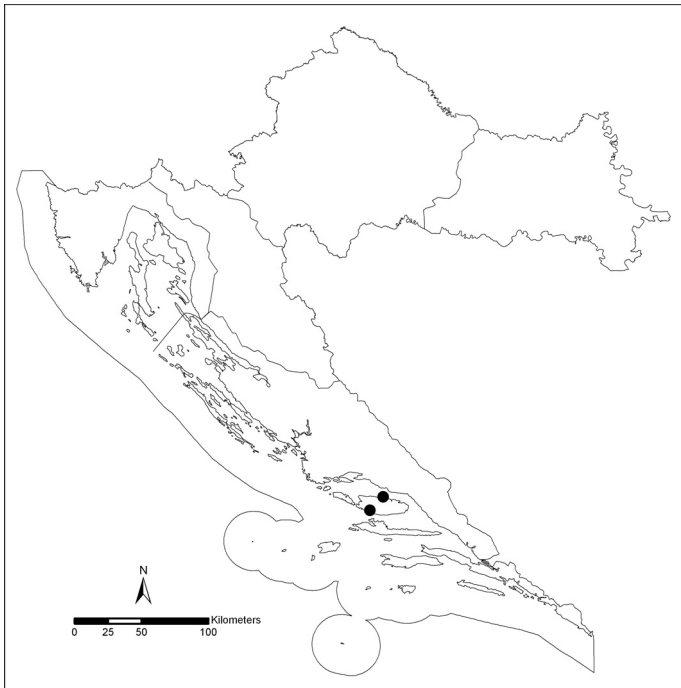


Fig. 32. Distribution of *Oroniscus stentai*.

Tab. 37. List of recorded localities for *Oroniscus stentai*

Locality	UTM	Region	Source
Špilja kod Murvice (cave), Murvica, Bol, Brač	XH29	SL	FRANKENBERGER, 1938b ¹
			ARCANGELI, 1939b
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
			GOTTSTEIN <i>et al.</i> , 2001
			GOTTSTEIN MATOČEĆ <i>et al.</i> , 2002

Činjadra (cave), Nerežišća, Brač	XJ30	SL	CBSS collection 543
			ARCANGELI, 1926
			ARCANGELI, 1939b
			KARAMAN, 1966
			GOTTSTEIN <i>et al.</i> , 2001
			GOTTSTEIN MATOČEC <i>et al.</i> , 2002
			BEDEK <i>et al.</i> , 2006
			JALŽIĆ <i>et al.</i> , 2010
Brač		SL	SCHMÖLZER, 1965a
From SE Italy to the Cetina region			STROUHAL, 1940a
Croatia			POTOČNIK, 1989
			SCHMALFUSS, 2003

¹ *Oroniscus dalmaticus*

ARMADILLIDIIDAE: ELUMINAE

37. *Typhlarmadillidium kratochvili* (Frankenberger, 1938)

(Tab. 38, Fig. 33)

Synonyms: *Cylisticus kratochvili* Frankenberger, 1938; *Synarmadillidium kratochvili* (Frankenberger, 1938); *Troglarmadillidium kratochvili* (Frankenberger, 1938)

Distribution: Croatia: the island of Korčula (SCHMALFUSS, 2003)

Type locality: Jakasova špilja (cave), Glava, Rasohatica, Žrnovo, the island of Korčula, Dalmatia, Croatia [der Höhle bei Rasokatica im Gebirge Glava in der Umgebung des Dorfes Postrana auf der Insel Korčula (FRANKENBERGER, 1938b)]

Ecological status: Troglomorphic (troglolobitic?) (STROUHAL, 1940a)

Tab. 38. List of recorded localities for *Typhlarmadillidium kratochvili*

Locality	UTM	Region	Source
Jakasova špilja (cave), Glava, Rasohatica, Žrnovo, Korčula	XH75	SL	FRANKENBERGER, 1938b
			ARCANGELI, 1939c
			FRANKENBERGER, 1940
			FRANKENBERGER & STROUHAL, 1940
			SCHMÖLZER, 1965b
			KARAMAN, 1966
			BEDEK <i>et al.</i> , 2006
			OZIMEC, 2010
From the Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Korčula		SL	FERRARA & TAITI, 1996
			GOTTSTEIN <i>et al.</i> , 2001
			GOTTSTEIN MATOČEC <i>et al.</i> , 2002
			SCHMALFUSS, 2003

Croatia			POTOČNIK, 1989
MISIDENTIFICATION			
Samograd (cave), Račišće, Korčula*	XH66	SL	OZIMEC, 2004

* Re-examination of this material shows that no material belonging to this species was collected.

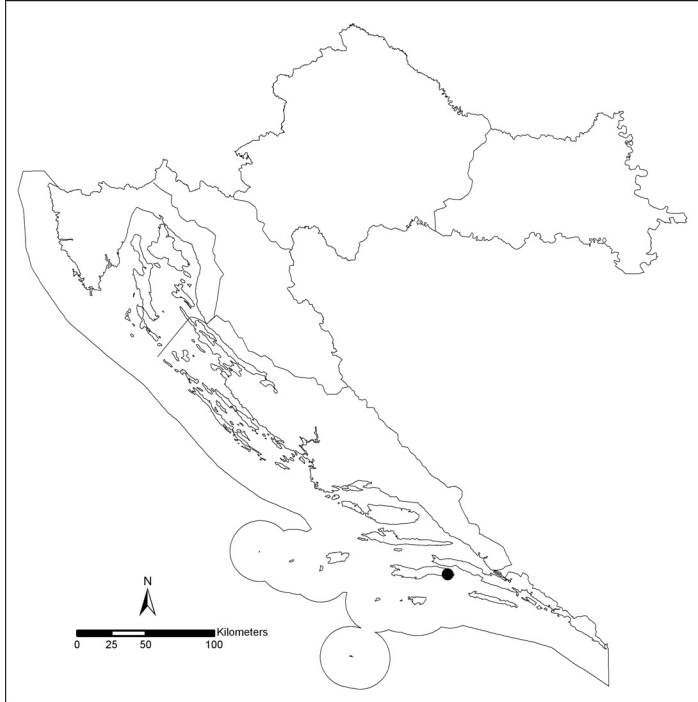


Fig. 33. Distribution of *Typhlarmadillidium kratochvili*.

38. *Typhlarmadillidium trebinjanum* (Verhoeff, 1900) (Tab. 39, Fig. 34)

Synonyms: *Armadillidium trebinjanum* Verhoeff, 1900; *Troglarmadillidium trebinjanum* Verhoeff, 1900

Distribution: Croatia, Herzegovina, Montenegro (SCHMALFUSS, 2003)

Type locality: Trebinje (surroundings), Bosnia and Herzegovina [der Umgegend von Trebinje in der Herzegowina (VERHOEFF, 1900)]

Ecological status: Troglophilic (STROUHAL, 1940a)

Tab. 39. List of recorded localities for *Typhlarmadillidium trebinjanum*

Locality	UTM	Region	Source
Šipun (cave), Cavtat, Dubrovnik	BN71	SL	MZUF collection 24
Ješkalovica (cave), Selca, Brač	XH49	SL	STROUHAL, 1939c
			KARAMAN, 1966

Brač		SL	FRANKENBERGER & STROUHAL, 1940
			SCHMÖLZER, 1965b
			FERRARA & TAITI, 1996
From SE Italy to the Cetina region			STROUHAL, 1940a
From the Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989
			SCHMALFUSS, 2003

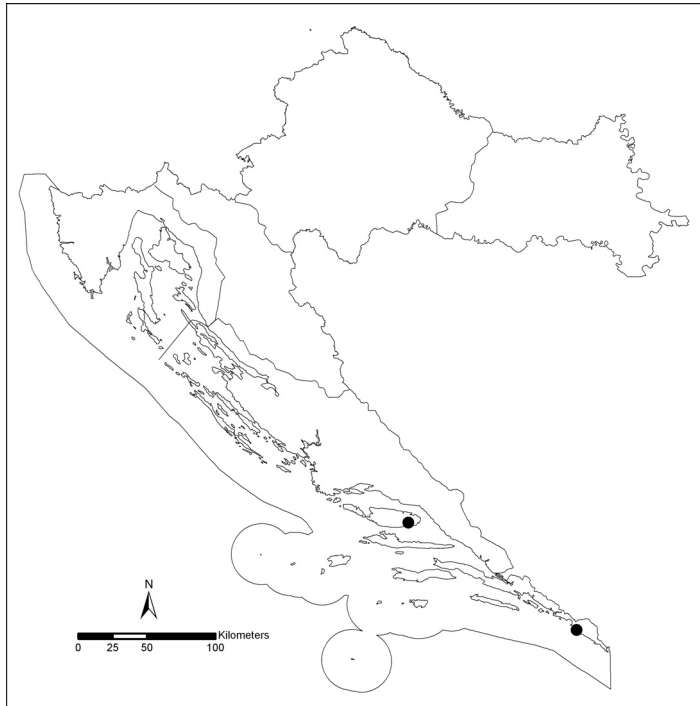


Fig. 34. Croatian distribution of *Typhlarmadillidium trebinjanum*.

ARMADILLIDIIDAE: ARMADILLIDIINAE

39. *Echinarmadillidium fruxgalii* (Verhoeff, 1900) (Tab. 40, Fig. 35)

Synonyms: *Armadillidium fruxgalii* Verhoeff, 1900

Distribution: Croatia: s-Dalmatia, Montenegro (SCHMALFUSS, 2003)

Type locality: Ombla (river bank) and Lapad, Dubrovnik, Dalmatia, Croatia [Omblathale, ... der Halbinsel Lapad bei Gravosa (VERHOEFF, 1900)]

Ecological status: Trogliphilic (STROUHAL, 1940a)

This species is often found in caves, so we agree with STROUHAL in considering it as a trogliphilic species.

Tab. 40. List of recorded localities for *Echinarmadillidium fruxgalii*

Locality	UTM	Region	Source
Lapad, Dubrovnik	BN52	SL	VERHOEFF, 1900
			CSIKI, 1926
			STROUHAL, 1934
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
			SCHMIDT & LEISTIKOW, 2004
Ombla (river bank), Dubrovnik	BN62	SL	VERHOEFF, 1900
			CSIKI, 1926
			STROUHAL, 1934
			FRANKENBERGER, 1938b
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Caretova špilja (cave), Vis, Vis	WH96	SL	FRANKENBERGER, 1938b
			ARCANGELI, 1939c
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Stračinčica (cave), Vela Luka, Korčula	XH45	SL	CBSS collection 544
Tabaina špilja (cave), Vela Luka, Korčula	XH45	SL	CBSS collection 545
			FRANKENBERGER, 1938b
			ARCANGELI, 1939c
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Hrastovska špilja (cave), Hrastovsko polje, Lastovo, Lastovo	XH53	SL	CBSS collection 546
			MZUF collection 25
			OZIMEC <i>et al.</i> , 2008
Jama Cvjetana Barbića (cave), Skrivena Luka, Lastovo	XH53	SL	CBSS collection 547
			OZIMEC <i>et al.</i> , 2008
Jama u uvali Kručica (cave), Zaklopatica, Lastovo, Lastovo	XH53	SL	CBSS collection 548
Jama za Smokvom (cave), Skrivena Luka, Lastovo	XH53	SL	OZIMEC <i>et al.</i> , 2008
			CBSS collection 549
Lastovo, Lastovo	XH53	SL	OZIMEC <i>et al.</i> , 2008
Medviđa ropa (cave), Skrivena Luka, Lastovo	XH53	SL	CBSS collection 550
			OZIMEC <i>et al.</i> , 2008
Medviđa ropa (cave), Skrivena Luka, Lastovo	XH53	SL	CBSS collection 551
			OZIMEC <i>et al.</i> , 2008

Špilja na Pozalicu (cave), Pržina, Skrivena Luka, Lastovo	XH53	SL	CBSS collection 552
			OZIMEC <i>et al.</i> , 2008
Špilja pod Kaštel (cave), Kaštel, Lastovo, Lastovo	XH53	SL	CBSS collection 553
			OZIMEC <i>et al.</i> , 2008
Samograd (cave), Račišće, Korčula	XH66	SL	CBSS collection 554
			OZIMEC, 2004
Jama u Bratušu (cave), Bratuš, Makarska	XH69	SL	CBSS collection 555
Marijan, Split	XJ11	SL	FRANKENBERGER, 1938b
			FRANKENBERGER & STROUHAL, 1940
			KARAMAN, 1966
Bast (endogean, forest), Biokovo, Baška Voda	XJ60	SL	CBSS collection 556
Špilja u Bastu (cave), Bast, Biokovo, Baška Voda	XJ60	SL	CBSS collection 557
Southern Dalmatia		SL	VERHOEFF, 1939
			SCHMÖLZER, 1965b
			SCHMALFUSS, 2003
Dalmatia		SL	VERHOEFF, 1931c
From SE Italy to the Cetina region			STROUHAL, 1940a
From the Neretva to the S Montenegro region		SL	STROUHAL, 1940a
Croatia			POTOČNIK, 1989

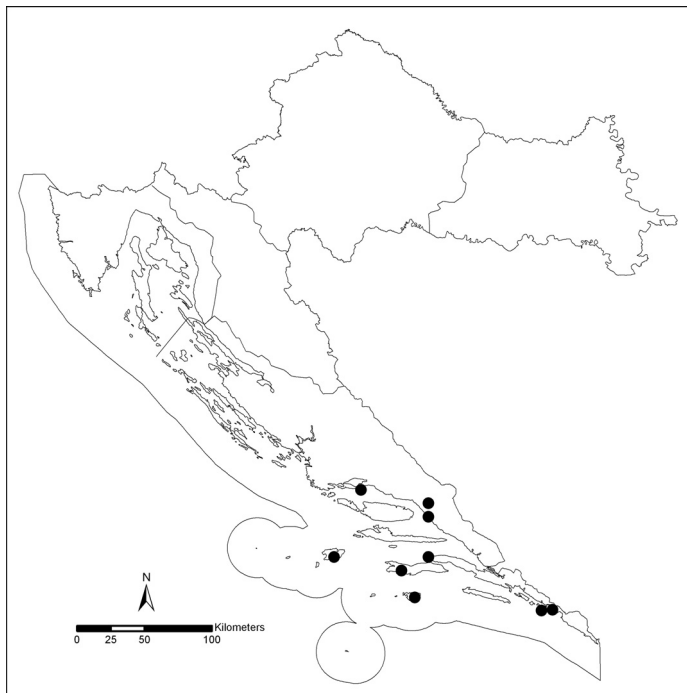


Fig. 35. Croatian distribution of *Echinarmadillidium fruxgalii*.

40. *Cyphodillidium absoloni* (Strouhal, 1934) (Tab. 41, Fig. 36)

- Synonyms: *Echinarmadillidium absoloni* Strouhal, 1934
 Distribution: Croatia: the island of Mljet (SCHMALFUSS, 2003)
 Type locality: Movrica (cave), Dračevac, Babino Polje, the island of Mljet, Dalmatia, Croatia [Pečina Movrica auf der Insel Meleda (STROUHAL, 1934)]
 Ecological status: Trogliphilic

Tab. 41. List of recorded localities for *Cyphodillidium absoloni*

Locality	UTM	Region	Source
Jama u Velikom Desajdubu (cave), Veliki Desajdub, Polača, Mljet	XH93	SL	CNHM collection 67
			CBSS collection 558
Male ponte (cave), Grabova glava, Ropa, Mljet	XH93	SL	CBSS collection 559
Špilja kod Solina (cave), Soline, Mljet	XH93	SL	CBSS collection 560
Špilja kod vrha Spile (cave), Vriješće, Polača, Mljet	XH93	SL	CNHM collection 68
			CBSS collection 561
Bezdan (cave), Crna klada, Ropa, Mljet	YH03	SL	CBSS collection 562
Jama za Svetim Spasom (cave), Babino Polje, Mljet	YH03	SL	CBSS collection 563
Movrica (cave), Dračevac, Babino Polje, Mljet	YH03	SL	STROUHAL, 1934
			FRANKENBERGER, 1938b
			FRANKENBERGER & STROUHAL, 1940
			STROUHAL, 1939e
			KARAMAN, 1966
			SCHMIDT & LEISTIKOW, 2004
			BEDEK <i>et al.</i> , 2006
JALŽIĆ <i>et al.</i> , 2010			
Odisejeva špilja (cave), Babino Polje, Mljet	YH03	SL	CBSS collection 564
Špilja na brdu Bugara (cave), Bugara, Ropa, Mljet	YH03	SL	FRANKENBERGER, 1938b
			ARCANGELI, 1939c
			KARAMAN, 1966
Velika špilja (cave), Blata, Mljet	YH03	SL	CBSS collection 565
			FRANKENBERGER, 1938b
			ARCANGELI, 1939c
			KARAMAN, 1966
Breg jama (cave), Babino Polje, Mljet	YH13	SL	CBSS collection 566
Galičnjak (cave), Okuklje, Mljet	YH13	SL	CBSS collection 567
			MICULINIĆ, 2008
Jama za Svetim Ivanom (cave), Babino Polje, Mljet	YH13	SL	CBSS collection 568
Polušpilja kod Sobre (cave), Sobre, Mljet	YH13	SL	MZUF collection 26
Mljet		SL	FRANKENBERGER & STROUHAL, 1940
			SCHMÖLZER, 1965b
			GOTTSTEIN <i>et al.</i> , 2001 ¹
			GOTTSTEIN MATOČEC <i>et al.</i> , 2002 ¹
			SCHMALFUSS, 2003
OZIMEC & BEDEK, 2005			
Dalmatia		SL	VERHOEFF, 1939
Croatia			POTOČNIK, 1989

¹ *Cyphodillidium*

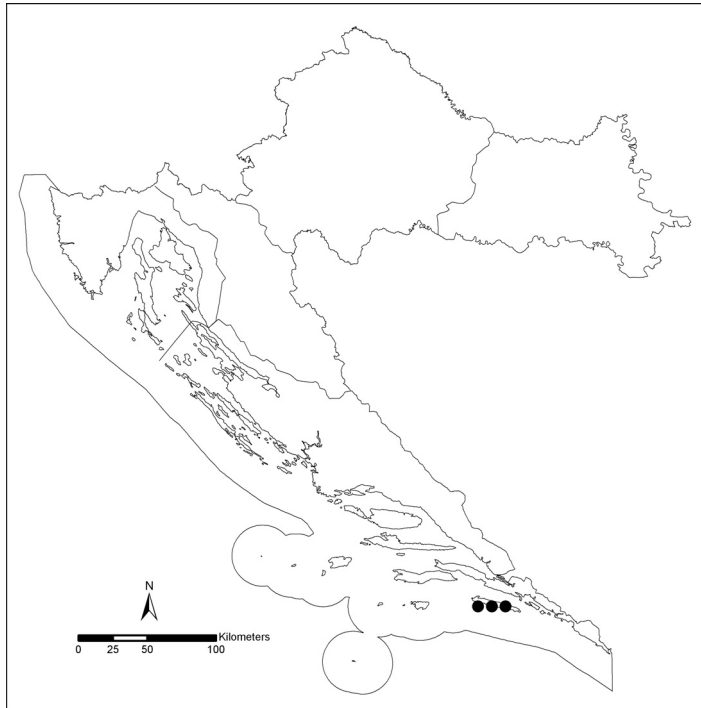


Fig. 36. Distribution of *Cyphodillidium absoloni*.

DISCUSSION

The karst area in Croatia covers approximately 46% of the national territory (GOTTSTEIN MATOČEC *et al.*, 2002). More than 9000 caves have been registered in Croatia (BAKŠIĆ & NOVOSEL), but literature data concerning subterranean terrestrial isopods include only 221 caves (~2,5 %) and 14 various localities (mines, endogean and epigeal environment). Altogether, with the new records from collections, this paper presents data from 557 caves (~6,2 %), six artificial underground structures and 15 other epigeal and subterranean localities (endogean, soil, etc.). Probably some localities from the collections are already present in the literature, but the old names are in some cases impossible to be referred to names of localities known at present.

Altogether 765 different records (one locality with one species) were gathered. Among them 275 records (~35,9 %) come from literature data, 601 (~78,6 %) from collection data, and 112 (~14,6 %) from both literature and collection data.

Thirty-five species and five subspecies of the cave-dwelling Oniscidea have been recorded. They are divided into five families and six subfamilies. The family Trichoniscidae and the subfamily Trichoniscinae are the most representative and include 13 (59 %) out of 22 Croatian endemic taxa, and 17 (85 %) out of 20 troglobiotic species (Tab. 42). The most represented genus is *Alpioniscus* with 10 species, followed by *Androniscus* with eight taxa (Fig. 37). Out of 26 cave species described in Croatia, 16

(~62 %) were described in the thirties of the last century, which was the result of intensive sampling done mostly in Dalmatia (Fig. 38).

Tab. 42. Number of genera, species, subspecies, endemic, troglotibiotic and trogliphilic taxa in different families and subfamilies

Family/Subfamily	Genera	Spp. (sspp.)	Endemic spp. (sspp.)	Troglotibiotic spp. (sspp.)	Trogliphilic spp. (sspp.)
Mesoniscidae	1	1	0	0	1
Trichoniscidae	12	26 (5)	12 (5)	19 (1)	7 (4)
• Trichoniscinae	6	20 (5)	8 (5)	16 (1)	4 (4)
• Haplophthalminae	4	4	3	2	2
• Buddelundiellinae	1	1	0	0	1
• Thaumatoniscellinae	1	1	1	1	0
Philosciidae	1	1	0	0	1
Oniscidae	1	3	3	0	3
Armadillidiidae	3	4	2	2	2
• Eluminae	1	2	1	0	2
• Armadillidiinae	2	2	1	0	2
Total	18	35 (5)	17 (5)	19 (1)	16 (4)

Only 165 (~20,3 %) out of 814 Croatian 10 x 10 km UTM squares have one or more cave species. However, plots with at least one cave species are more or less scattered all over the Dinaric region in Croatia. The UTM square VL41 belonging to the Northern Croatian Littoral macroregion has the maximum number of species (six),

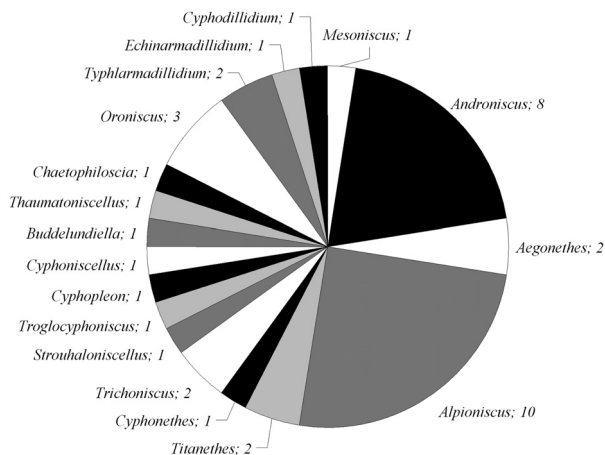


Fig. 37. Frequency distribution of genera of cave-dwelling terrestrial isopods in Croatia. Numbers refer to taxa in each genus.

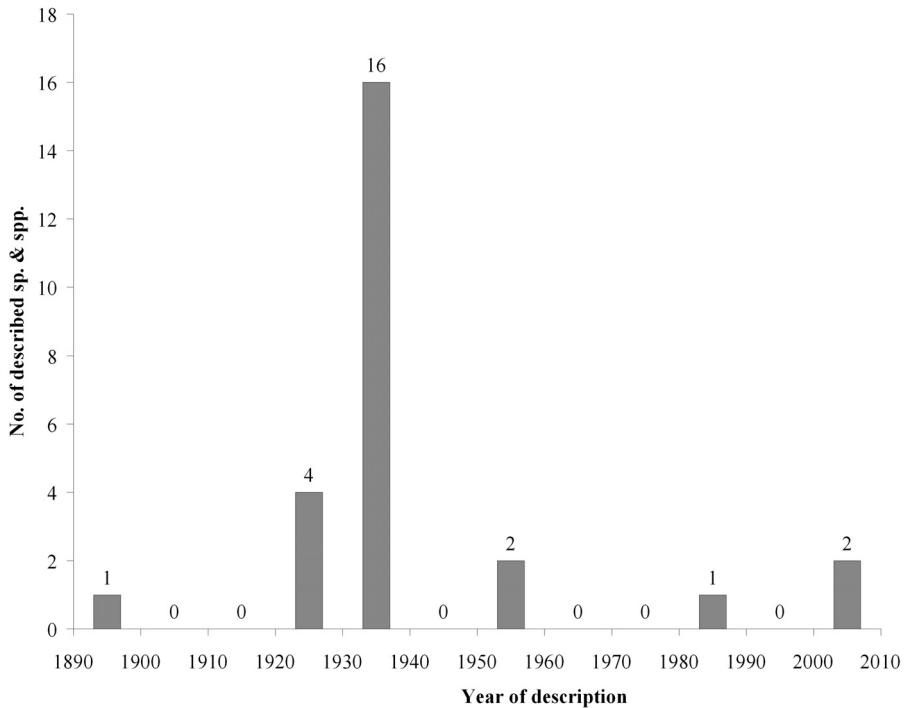


Fig. 38. Comparison of the number of cave species and subspecies described in Croatia from 1890 to present.

followed by plots BN 62, BN71, XH66, XH69 and YH03 belonging to the Southern Croatian Littoral macroregion with five species (Fig. 39). The islands of Mljet and Korčula, mountains of Biokovo and Učka, surroundings of the town of Dubrovnik, and the town of Ogulin are biodiversity hot spots of cave-dwelling terrestrial isopods in Croatia. The present situation might be changed when intensive investigations are carried out in still poorly explored karstic regions like Mt. Velebit.

The Southern Croatian Littoral and the Northern Croatian Littoral macroregions have many more species than the other Croatian macroregions. Out of 40 cave-dwelling taxa in Croatia the Southern Croatian Littoral macroregion has 27 (67,5 %) and the Northern Croatian Littoral macroregion has 15 (37,5 %) (Fig. 40).

The Southern Croatian Littoral macroregion has 16 (~72,7 %) out of 22 endemic cave taxa in Croatia, and among them, two are widespread and 14 are endemic to that region. Cavernicolous terrestrial isopods are recorded from nine Croatian islands on a total of 79 islands and 523 islets. Eight species are endemic to a single island and occur on five islands. All the 40 cave-dwelling taxa in Croatia are distributed in the Dinaric karst area, and only three troglomorphic species are also found outside that area (*Androniscus dentiger*, *A. roseus* and *Mesoniscus graniger*). There are no endemic taxa outside the Dinaric karst area (Fig. 41).

Distribution areas of the different species are unequal. Some troglomorphic species are widespread, such as *Mesoniscus graniger* in Slovenia, Croatia, Serbia, Bosnia and

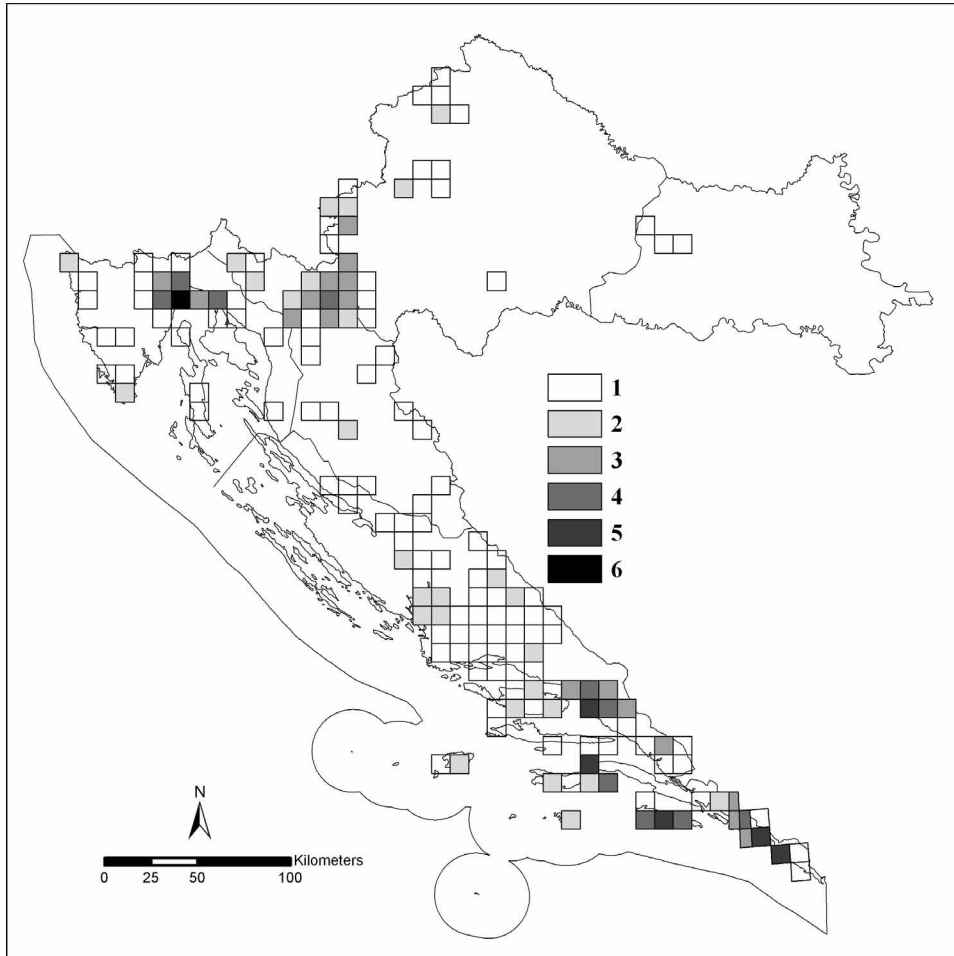


Fig. 39. 10 × 10 km UTM grid with numbers of species and subspecies of cave-dwelling terrestrial isopods in each square.

Herzegovina, Slovakia, Romania; *Androniscus roseus* from eastern France to Romania; *Chaetophiloscia cellaria* in the northern Mediterranean region; *Trichoniscus matulici* in southern Italy including Sicily, Slovenia, Croatia, Bosnia and Herzegovina and Montenegro. Some species are probably spread synanthropically such as *Buddelundiella cataractae* in Europe; *Androniscus dentiger* in Europe and North Africa, and in greenhouses in North America. The troglotrophic species *Aegonethes cervinus* is distributed across the Adriatic Sea in Italy (Gargano) and Croatia (Dubrovnik, the islands of Korčula and Mljet). In Croatia 23 species (out of 35) are distributed only in single macroregion. The most widely distributed taxa in Croatia are the troglotrophic species *Mesoniscus graniger* and *Androniscus roseus* and the troglotrophic species *A. stygius*, found in three macroregions. Only four troglotrophic species (*Alpio-*

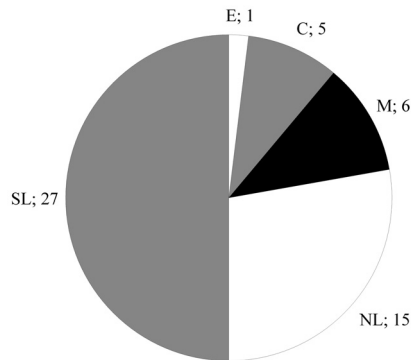


Fig. 40. Frequency distribution of species and subspecies present in Croatian macroregions. Numbers refer to taxa present in each macroregion – E (Eastern Croatia); C (Central Croatia); M (Mountainous Croatia); NL (Northern Croatian Littoral); SL (Southern Croatian Littoral)

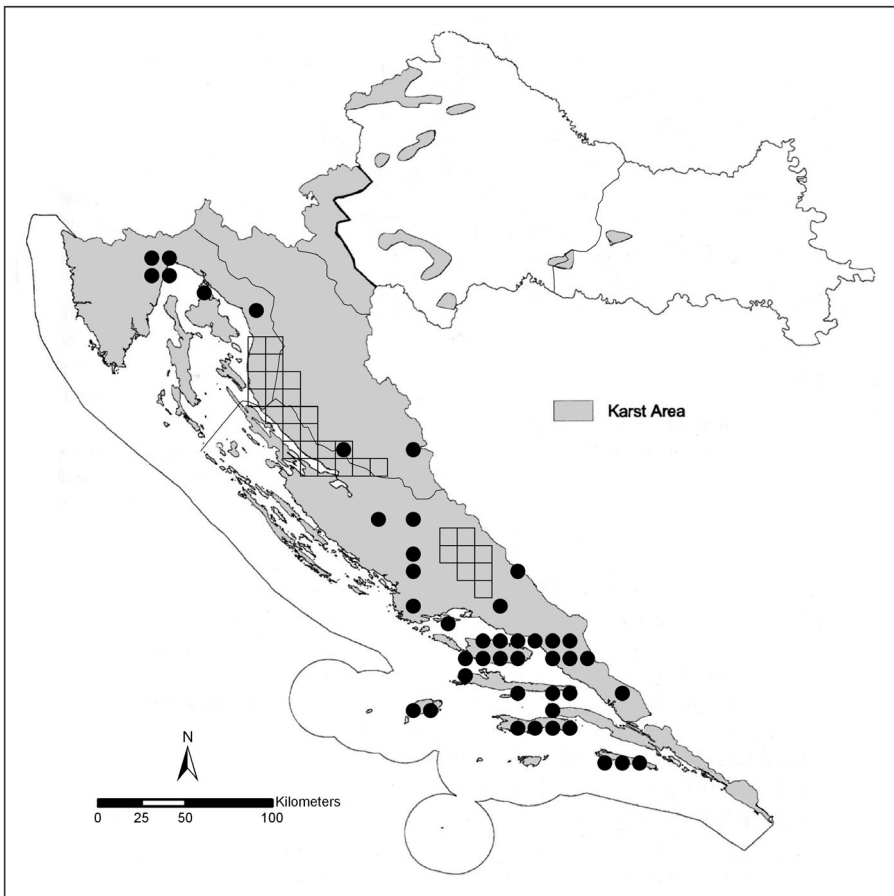


Fig. 41. Distribution of Croatian endemic taxa.

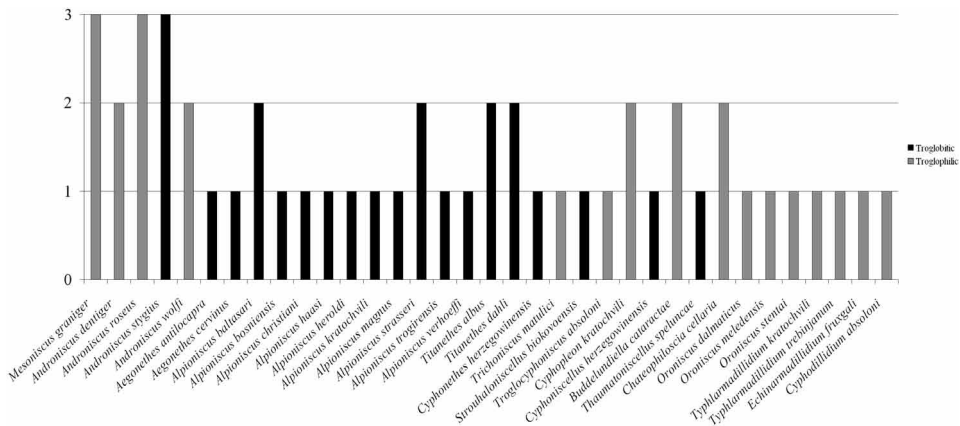


Fig. 42. Comparison of terrestrial isopod species inhabiting various number of Croatian macroregions with indicated ecological adaptation to the cave environment.

niscus balthasari, *A. strasseri*, *Titanethes albus* and *T. dahli*) are distributed in two macroregions, the rest are distributed only in a single macroregion (Fig. 42).

Recent data (published after 2005 or in this paper) have revealed new insights into several species. Although the species *Mesoniscus graniger* is not listed in some reviews (KARAMAN, 1966; POTOČNIK, 1989; SCHMALFUSS, 2003) there are old literature data for Croatia (ARCANGELI, 1939a). This record is from Istria, but in recent investigations in that region the species was not found, either in caves or in endogean habitats. *Mesoniscus graniger* was instead found on Mt. Medvednica, Mt. Ivanščica, Mt. Papuk, the Banovina region and near Karlovac. Only the last locality is part of the Dinaric region (BEDEK, 2007b) (Tab. 1; Fig. 2). *Mesoniscus graniger* is one of the few cave isopods found in Croatia outside the Dinaric region.

The only known record in the literature for *Alpioniscus heroldi* is Benetina pećina near Slano (STROUHAL, 1939a). This cave is probably in Popovo polje in Herzegovina, near Slano, so there is no confirmed literature record of *A. heroldi* in Croatia. However, during recent investigations this species was found in several Croatian caves (Tab. 16; Fig. 13).

Alpioniscus herzegowinensis was recorded from the cave system Lukina jama – Trojama, Hajdučki kukovi, Mt. Velebit, Krasno (KEROVEC *et al.*, 1999). All collected material of the genus *Alpioniscus* from Lukina jama – Trojama and other deep pits in northern Mt. Velebit belong to other species, close to the *strasseri*-group (unpublished data). The species *A. herzegowinensis* is endemic for the Šuma region in SW Herzegovina, where microclimate conditions in caves are totally different from those of the deep pits of northern Mt. Velebit where air temperature in deep pits is more than 10°C lower, so this is probably a misidentification (Tab. 17).

The only known literature data for the species *Alpioniscus verhoeffi* is Špilja u dolini Neretve, Neretva, Dalmatia (STROUHAL, 1938) which can be in Dalmatia or Herzegovina, and Bosnia is probably a misinterpreted datum (SCHMALFUSS, 2003). This species has been collected in several caves near Neretva River and, very surprisingly, also in Špilja na Vršinoj glavici, Stražbenica, Otok, Sinj (Tab. 22; Fig. 18).

The new records resulted in a better understanding of the distribution pattern of several species listed in Croatia. For the species *Alpioniscus balthasari*, the limits of its distribution were extended by 100 km (Tab. 12, Fig. 9). *Androniscus wolffi* was found in the south part of Mt. Velebit (93 km from the only other known locality) (Tab. 9, Fig. 6), *Titanethes dahli* on Mt. Velebit (Tab. 24, Fig. 20), *Trichoniscus matulici metkovicensis* on Mt. Biokovo (Tab. 27, Fig. 22), *Buddelundiella cataractae* in the Dubrovnik and Rijeka regions (Tab. 32, Fig. 27), *Echinarmadillidium fruxgalii* and *Aegonethes cervinus* on the island of Lastovo (Tab. 40, Fig. 35; Tab. 11, Fig. 8), *Cyphoniscellus herzegowinensis* on the island of Korčula (Tab. 31, Fig. 26) and *Troglocyphoniscus absoloni* on Mt. Biokovo and the island of Korčula (Tab. 29, Fig. 24).

Some species cited in the literature have not been confirmed by recent, often repeated explorations in those caves such as, *Oroniscus meledensis* from the island of Mljet, and *Typhlarmadillidium kratochvili* from the island of Korčula.

In this paper only part of the CBSS collection is listed. It contains also many currently unidentified and several new species which will be treated in future papers. Moreover, members of the Croatian Biospeleological Society are still collecting material through numerous projects. Many oniscidean genera need to be revised, and many species to be redescribed. The state of understanding about cave terrestrial isopods in Croatia will probably be modified as a result of a necessary extensive taxonomic work.

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SUMMARY

Catalogue and atlas of cave-dwelling terrestrial isopods (Crustacea: Oniscidea) from Croatia

J. Bedek, S. Taiti & S. Gottstein

In Croatia 130 species and 30 subspecies of terrestrial isopods have been recorded, 59 species and 17 subspecies of which are endemic to Croatia. Altogether, this paper presents data from 557 caves, 6 artificial underground structures and 15 other epigeal and subterranean localities. Among the cave taxa, 35 species and five subspecies have been recorded. The family Trichoniscidae and the subfamily Trichoniscinae are the most abundant (13 (59%) out of 22 Croatian endemic taxa and 17 (85 %) out of 20 troglobiotic taxa). The genus most represented is *Alpioniscus* with 10 species. Only 165 out of 814 Croatian 10 × 10 km UTM squares (~20,3 %) have one or more cave species. The UTM square VL41 presents the maximum with six species, belonging to the Northern Croatian Littoral macroregion. The UTM squares BN62, BN71, XH66, XH69 and YH03 have five species, belonging to the Southern Croatian Littoral macroregion. The Southern Croatian Littoral macroregion has 27 (67,5 %) out of 40 cave taxa in Croatia, and the Northern Croatian Littoral macroregion has 15 (37,5 %). The Southern Croatian Littoral mesoregion has 16 (~72,7 %) out of 22 endemic cave taxa in Croatia and among them, two are widespread and 14 are endemic to that region. Five islands have their own endemic species (eight species). The most widely distributed species in Croatia are the troglaphiles *Mesoniscus graniger*, *Androniscus roseus*, and the troglobiont *A. stygius* found in three macroregions. Only four troglobiotic species (*Alpioniscus balthasari*, *A. strasseri*, *Titanethes albus* and *T. dahli*) are distributed in two macroregions, the remaining species are distributed only in single macroregions. All the 40 cave-dwelling taxa in Croatia are distributed in the Dinaric karst area, and only three troglaphilic species are found also outside this area. No endemic taxa occur outside the Dinaric karst area. In this paper only part of the CBSS collection is listed. The majority of genera need to be revised and many species redescribed. The knowledge about cave terrestrial isopods in Croatia will probably be modified as a result of an extensive taxonomic work which still needs to be done.

APPENDIX 1.

Tab. 43. List of synonyms for locality records of cave-dwelling terrestrial isopods in Croatia with references associated with the recorded locality name.

Recorded locality name	Present locality name
Baba pećina (BUTUROVIĆ, 1955c, KARAMAN, 1966)	Baba špilja
Balićeva pećina (STROUHAL, 1939a)	Balićeva špilja
Balićeva pećina (GIROMETTA, 1913, GIROMETTA, 1914, LANGHOFFER, 1915a, STROUHAL, 1939b, KARAMAN, 1966)	Balićeva špilja
Baračeva II (STROUHAL, 1939b)	Gornja Baračeva špilja
Baračeva Pećina (STROUHAL, 1939b)	Baračeva špilja
Baračeva Pećina I (STROUHAL, 1939b)	Donja Baračeva špilja
Baračeva pećina II (LANGHOFFER, 1915a)	Gornja Baračeva špilja
Baračeva špilja Mala (OZIMEC, 2003)	Donja Baračeva špilja
Baračeva špilja Velika (OZIMEC, 2003)	Gornja Baračeva špilja
Bardarovica (FRANKENBERGER, 1938a, KARAMAN, 1966)	Špilja na Bardarovici
Barićevića pećina (KARAMAN, 1966)	Barićevića pećina
Barilović Špilja (STROUHAL, 1939b)	Vražića špilja
Bazdovača (STROUHAL, 1939a, BEDEK <i>et al.</i> , 2006)	Bazgovača jama
Bazgova jama (BEDEK <i>et al.</i> , 2006)	Bazgovača jama
BB Nr. 6 (misprint, should be BB Nr. 661) (JALŽIĆ <i>et al.</i> , 2010)	Movrica
BB Nr. 16 (STROUHAL, 1939b)	Vilenska jama
BB Nr. 72 (STROUHAL, 1939a, STROUHAL, 1939c, STROUHAL, 1939e)	Šipun
BB Nr. 91 (STROUHAL, 1939a, STROUHAL, 1939e)	Šipun
BB Nr. 93 (STROUHAL, 1939a, STROUHAL, 1939e)	Đurovića špilja
BB Nr. 99 (STROUHAL, 1939a, STROUHAL, 1939e)	Studentski ratac
BB Nr. 100 (STROUHAL, 1939a)	Žejava
BB Nr. 101 (STROUHAL, 1939a, STROUHAL, 1939c)	Ješkalovica
BB Nr. 102 (STROUHAL, 1939a, BEDEK <i>et al.</i> , 2006)	Bazgovača jama
BB Nr. 105 (STROUHAL, 1939a)	Ledenica na podnožju Jabukovca
BB Nr. 108 (STROUHAL, 1939a)	Činjadra
BB Nr. 109 (STROUHAL, 1939a)	Dobra jama
BB Nr. 116 (STROUHAL, 1939a, STROUHAL, 1939e)	Šipun
BB Nr. 146 (STROUHAL, 1939b)	Jezero
BB Nr. 158 (STROUHAL, 1939a)	Ostaševica
BB Nr. 324 (STROUHAL, 1939a)	Jama kod Radošića
BB Nr. 325 (STROUHAL, 1939a, STROUHAL, 1939e)	Jama na Visokoj
BB Nr. 326 (STROUHAL, 1939a, STROUHAL, 1939e)	Jama na Balaci
BB Nr. 327 (STROUHAL, 1939a, STROUHAL, 1939e)	Vršine
BB Nr. 329 (STROUHAL, 1939a)	Balićeva špilja
BB Nr. 331 (STROUHAL, 1939a, STROUHAL, 1939b)	Smokvica
BB Nr. 333 (STROUHAL, 1939a)	Trojama
BB Nr. 334 (STROUHAL, 1937, STROUHAL, 1939a, BEDEK <i>et al.</i> , 2006)	Vranjača
BB Nr. 335 (STROUHAL, 1939a)	Jama na Koštaku
BB Nr. 345 (STROUHAL, 1939a)	Jama pod Kragljevцем
BB Nr. 351 (STROUHAL, 1939b)	Nove jame
BB Nr. 410 (STROUHAL, 1939b)	Veliki
BB Nr. 489 (STROUHAL, 1939d, ARCANGELI, 1940)	Cerjanska špilja

BB Nr. 492 (STROUHAL, 1939b)	Bukovac
BB Nr. 494 (STROUHAL, 1939d, ARCANGELI, 1940)	Vindija
BB Nr. 502 (STROUHAL, 1939d, ARCANGELI, 1940, BEDEK <i>et al.</i> , 2006)	Velika špilja
BB Nr. 503 (STROUHAL, 1939b)	Cerička pećina
BB Nr. 508 (STROUHAL, 1939b)	Munjave
BB Nr. 511 (STROUHAL, 1939b)	Langhofferova špilja
BB Nr. 512 (STROUHAL, 1939b)	Ledenička špilja
BB Nr. 520 (STROUHAL, 1939b)	Langhofferova špilja
BB Nr. 523 (STROUHAL, 1939b)	Zerngol špilja
BB Nr. 526 (STROUHAL, 1939e, ARCANGELI, 1940)	Zdenec pri Ciglaru
BB Nr. 527 (STROUHAL, 1939b)	Pustinja
BB Nr. 529 (STROUHAL, 1939d)	Zdenec pri Ciglaru
BB Nr. 537 (STROUHAL, 1939b)	Vražića špilja
BB Nr. 538 (STROUHAL, 1939b)	Vražića špilja
BB Nr. 545 (STROUHAL, 1939b)	Ledena špilja
BB Nr. 547 (STROUHAL, 1939b)	Mladenova pećina
BB Nr. 550 (STROUHAL, 1939b)	Pustinja
BB Nr. 551 (STROUHAL, 1939d, ARCANGELI, 1940, BEDEK <i>et al.</i> , 2006)	Vlaška peć
BB Nr. 553 (STROUHAL, 1939b)	Bribirska pećina
BB Nr. 556 (STROUHAL, 1939b)	Šupljara
BB Nr. 557 (STROUHAL, 1939b)	Gornja Baračeva špilja
BB Nr. 562 (STROUHAL, 1939b)	Šupljara
BB Nr. 563 (STROUHAL, 1939b)	Zvirnjak pećina
BB Nr. 566 (STROUHAL, 1939b)	Donja Baračeva špilja
BB Nr. 567 (STROUHAL, 1939b)	Ledena špilja
BB Nr. 569 (STROUHAL, 1939b)	Kovačevka pećina
BB Nr. 570 (STROUHAL, 1939b)	Lokvarka
BB Nr. 573 (STROUHAL, 1939b)	Velika pećina
BB Nr. 608 (STROUHAL, 1939a)	Baličeva špilja
BB Nr. 642 (STROUHAL, 1939a)	Baličeva špilja
BB Nr. 643 (STROUHAL, 1939a)	Pećina kod Sinja
BB Nr. 644 (STROUHAL, 1939a)	Zimska pećina
BB Nr. 645 (STROUHAL, 1939a)	Kitlica jama
BB Nr. 646 (STROUHAL, 1939a)	Crvenkuša-Tamnica-Suhi Rumin
BB Nr. 652 (STROUHAL, 1939a, STROUHAL, 1939c, STROUHAL, 1939e)	Šipun
BB Nr. 653 (STROUHAL, 1939a, STROUHAL, 1939e)	Karle
BB Nr. 660 (STROUHAL, 1937, STROUHAL, 1939e, BEDEK <i>et al.</i> , 2006)	Ostaševica
BB Nr. 661 (STROUHAL, 1939a, STROUHAL, 1939c, STROUHAL, 1939e, BEDEK <i>et al.</i> , 2006)	Movrica
BB Nr. 845 (STROUHAL, 1939a, STROUHAL, 1939c, STROUHAL, 1939e)	Šipun
BB Nr. 849 (STROUHAL, 1939b)	Močiljska špilja
BB Nr. 972 (STROUHAL, 1939a, STROUHAL, 1939c, STROUHAL, 1939e)	Šipun
BB Nr. 1000 (STROUHAL, 1939a)	Gospodska špilja
BB Nr. 1011 (STROUHAL, 1939a)	Medića pećina
BB Nr. 1014 (STROUHAL, 1939a)	Rudelića špilja
BB Nr. 1015 (STROUHAL, 1939a)	Rudelića špilja
BB Nr. 1016 (STROUHAL, 1939a)	Baričevića pećina
BB Nr. 1018 (STROUHAL, 1939a)	Crnomarkovića pećina
BB Nr. 1019 (STROUHAL, 1939a)	Zrilina pećina

BB Nr. 1023 (STROUHAL, 1939a)	Kozjak pećina
BB Nr. 1024 (STROUHAL, 1939a)	Podbirtnjača špilja
BB Nr. 1032 (STROUHAL, 1939a, STROUHAL, 1939e)	Džamije
BB Nr. 1034 (STROUHAL, 1939a)	Bobija jama
BB Nr. 1038 (STROUHAL, 1939a)	Pećina Stojaković
BB Nr. 1042 (STROUHAL, 1939a)	Vučković jama
BB Nr. 1043 (STROUHAL, 1939a)	Golubinka
Bežmek stan (BEDEK <i>et al.</i> , 2006)	Bazgovača jama
Bijele sige jama (BEDEK, 2007b)	Jama bijele sige
Biospeologica balcanica loc. 557 (OZIMEC, 2003)	Gornja Baračeva špilja
Biospeologica balcanica Lok. 549 (OZIMEC, 2003)	Baračeva špilja
Biospeologica balcanica Lok. 554 (OZIMEC, 2003)	Baračeva špilja
Biospeologica balcanica Lok. 566 (OZIMEC, 2003)	Donja Baračeva špilja
Bukova Špilja (STROUHAL, 1939b)	Bukovac
Caretova špilja (FRANKENBERGER, 1938b, ARCANGELI, 1939c)	Caretova špilja
cave at Mt. Ucka (GOTTSTEIN <i>et al.</i> , 2001)	Špilja na Učki
cave near village Murvica (GOTTSTEIN MATOČEC <i>et al.</i> , 2002)	Špilja kod Murvice
caverna presso il convento nelle vicinanze del villaggio Murvica (ARCANGELI, 1939b)	Špilja kod Murvice
caverna presso Promontore (ARCANGELI, 1932, 1938, BRIAN, 1938, BEDEK <i>et al.</i> , 2006)	Špilja na Gradini kod Premature
caverna presso Rasokatica nella montagna Glava (ARCANGELI, 1939c)	Jakasova špilja
caverna sul monte Bugara (ARCANGELI, 1939c)	Špilja na brdu Bugara
caves from Racice beside Castelnuovo (today Podgrad) (GIURGINCA, 2009)	Račiška pećina
Ceretova špilja (FRANKENBERGER, 1938a, KARAMAN, 1966)	Caretova špilja
Circusova jama (GIROMETTA, 1914)	Sniježnica pod Ljubljanom
Cinjadra (ARCANGELI, 1926, ARCANGELI, 1939b, BEDEK <i>et al.</i> , 2006, JALŽIĆ <i>et al.</i> , 2010)	Činjadra
Činjadra (KARAMAN, 1966, GOTTSTEIN MATOČEC <i>et al.</i> , 2002)	Činjadra
Čočina jama (BUTUROVIĆ, 1955b, BUTUROVIĆ, 1955c, KARAMAN, 1966)	Čočina jama
Daljinhova jama (KARAMAN, 1966)	Damljinhova jama
Devizza (BRIAN, 1938, STROUHAL, 1939a)	Denizza
Dorfe Murvica (FRANKENBERGER & STROUHAL, 1940)	Špilja kod Murvice
Đurović jama (STROUHAL, 1939a, STROUHAL, 1939e, ARCANGELI, 1947)	Đurovića špilja
Džamija (STROUHAL, 1939e)	Džamije
Đurović jama (KARAMAN, 1966)	Đurovića špilja
Eishöhle bei Lokve (STILLER, 1911a)	Ledena špilja
environs du village de Nerežišće (BEDEK <i>et al.</i> , 2006)	Bazgovača jama
Golubinjka (GIROMETTA, 1914)	Sniježnica pod Ljubljanom
Golubinjka pod Ljubljanom (LANGHOFFER, 1915a)	Sniježnica pod Ljubljanom
Golubinjka pod Ljubljanom (STROUHAL, 1939b)	Sniježnica pod Ljubljanom
Golubinjka pod malim Kraljevcom (GIROMETTA, 1914)	Jama pod Malim Kraljevcom
Golubnjača kod Žegara (BEDEK, 2007a)	Golubnjača
Gorane Špiljas (ARCANGELI, 1940)	Velika špilja
Gorane špilja (STROUHAL, 1939d, KARAMAN, 1966, BEDEK <i>et al.</i> , 2006)	Velika špilja
Gospodska pećina (STROUHAL, 1939a, KARAMAN, 1966)	Gospodska špilja
Grabčina špilja (KARAMAN, 1966)	Grapčeva špilja
Grabčina špilja (FRANKENBERGER, 1938a)	Grapčeva špilja
Grčka pećina (FRANKENBERGER, 1938a, KARAMAN, 1966)	Grčka pećina
Grotta No. 1637 VG (BEDEK <i>et al.</i> , 2006)	Biserujka

Grotte bei Kotluša (FRANKENBERGER, 1939)	Kotluša
Grotte beim Dorfe Oštarija (JURINAC, 1888)	Ambarac
Grotte beim Dorfe Trschitsch (JURINAC, 1888)	Tržička špilja
grotte de l'île de Meleda (VANDEL, 1946)	Movrica
Grotte de l'île Veglia (BEDEK <i>et al.</i> , 2006)	Biserujka
Grotte près de la ville Trogir (BUTUROVIĆ, 1955a, BEDEK <i>et al.</i> , 2006)	Špilja Sv. Filipa i Jakoba
Grotte près de la ville Trogir (BUTUROVIĆ, 1955a)	Špilja od Bilosoja
Höhle am fusse des Dinara Gebirges (FRANKENBERGER, 1939)	Kotluša
Höhle am Monte Maggiore (WOLF, 1938)	Špilja na Učki
Höhle am Mt. Maggiore (SCHMÖLZER, 1965a)	Špilja na Učki
Höhle am Mte. Maggiore (FRANKENBERGER & STROUHAL, 1940)	Špilja na Učki
Höhle am Ostabhang der Mosor planina (FRANKENBERGER, 1939 FLASAROVÁ, 1967)	Pećina na istočnoj padini Mosor planine
Höhle an dem Monte Maggiore (KESSELYÁK, 1931, BEDEK <i>et al.</i> , 2006, JALŽIĆ <i>et al.</i> , 2010)	Špilja na Učki
Höhle an der Svilaja Planina (FRANKENBERGER, 1939)	Špilja na Svilaji planini
Höhle an der Quelle des Cetina-Flusses (FRANKENBERGER, 1939)	Pećina na izvoru Cetine
Höhle auf dem Bugara-Berge (FRANKENBERGER, 1938b)	Špilja na brdu Bugara
Höhle auf der Insel Veglia (Krk) (BEDEK <i>et al.</i> , 2006)	Biserujka
Höhle auf der Svilaja planina (FRANKENBERGER, 1939)	Pećina na Svilaji planini
Höhle auf der Svilaja Planina (FRANKENBERGER, 1940)	Špilja na Svilaji planini
Höhle bei Bol (STROUHAL, 1939b)	Jama kod Vidove gore
Höhle bei Curzola (BEDEK <i>et al.</i> , 2006)	Pišurka
Höhle bei dem Kloster in der Nähe des Dorfes Murvica (FRANKENBERGER, 1938b)	Špilja kod Murvice
Höhle bei der Bahnstation Josipdol (STILLER, 1914)	Špilja u Mekoti
Höhle bei der Stadt Curzola (BEDEK <i>et al.</i> , 2006)	Pišurka
Höhle bei Josipdol (STROUHAL, 1939b)	Špilja u Mekoti
Höhle bei Petricevi (KARAMAN, 1966)	Čampari
Höhle bei Pola (FRANKENBERGER & STROUHAL, 1940)	Špilja na Gradini kod Premanture
Höhle bei Promontore (STROUHAL, 1939a)	Špilja na Gradini kod Premanture
Höhle bei Puži (FRANKENBERGER, 1939)	Pećina kod Puži
Höhle bei Rasokatica (FRANKENBERGER, 1938b, FRANKENBERGER, 1940, SCHMÖLZER, 1965b, BEDEK <i>et al.</i> , 2006)	Jakasova špilja
Höhle bei Sagorje (JURINAC, 1888)	Zagorska peć
Höhle bei Sinj (STROUHAL, 1939a)	Pećina kod Sinja
Höhle bei Starigrad (STROUHAL, 1939b)	Špilja kod Starigrada
Höhle bei Suhi Rumin (ERHARD, 1997)	Suvi Rumin
Höhle des Mosor-Gebirges (FRANKENBERGER & STROUHAL, 1940)	Vranjača
Höhle, die in der Nähe des Dorfes Kotluša (FRANKENBERGER, 1937)	Kotluša
Höhle im weichen Grund (STILLER, 1914, STROUHAL, 1939b)	Špilja u Mekoti
Höhle in der Umgebung der Stadt Knin (FRANKENBERGER, 1937)	Kotluša
Höhle mit Wasser (FRANKENBERGER, 1937, BEDEK <i>et al.</i> , 2006, JALŽIĆ <i>et al.</i> , 2010)	Kotluša
Höhle Namenlos (STILLER, 1914)	Špilja u Mekoti
Höhle NO von Sinj (FRANKENBERGER, 1939)	Pećina sjeveroistočno od Sinja
Höhle NW. – Kroatiens (FRANKENBERGER & STROUHAL, 1940)	Vlaška peć
Höhle von Bivio Beruč (FRANKENBERGER, 1939)	Pećina Bivio Beruča

Höhle von Marija Ružić (FRANKENBERGER, 1939)	Pećina Marije Ružić
Höhle von Ozalj (WOLF, 1938)	Ozaljska špilja
Höhlen auf der Dinara planina, hauptsächlich ihren westlichen Abhängen; Lok.Nr. 254 (FRANKENBERGER, 1939)	Špilja na Dinari 254
Höhlen auf der Dinara planina, hauptsächlich ihren westlichen Abhängen; Lok.Nr. 256 (FRANKENBERGER, 1939)	Špilja na Dinari 256
Höhlen auf der Dinara planina, hauptsächlich ihren westlichen Abhängen; Lok.Nr. 258 (FRANKENBERGER, 1939)	Špilja na Dinari 258
Höhlen auf der Dinara planina, hauptsächlich ihren westlichen Abhängen; Lok.Nr. 260 (FRANKENBERGER, 1939)	Špilja na Dinari 260
Höhlen bei Bol ... auf das Plateau nach Neresi zu führen ... (WETTSTEIN, 1914)	Jama kod Vidove gore
Höhlen bei Milna ... auf dem südlichen Abhänge des zwischen den Namen »Lokvice« und »Blisina glavica« (WETTSTEIN, 1914)	Špilja između Lokvica i Blisine glavice
Höhlen bei Milna ... die links vom Wege nach S. Guiseppe liegt (WETTSTEIN, 1914)	Špilja između Milne i Sv. Josipa
Höhlen von Ivan Stanić und von Franjo Stanić (FRANKENBERGER, 1939)	Pećina Ivana Stanića i Franja Stanić
Höhleneingang ... in Norddistrien bei Račiće (BEDEK <i>et al.</i> , 2006)	Račićka pećina
Jajce (GIURGINCA, 2009)	Jajce
Jama na Balači (KARAMAN, 1966)	Jama na Balači
Jama pod Koštakom (STROUHAL, 1939a, KARAMAN, 1966)	Jama na Koštaku
Jama pod malim Kraljevcom (GIROMETTA, 1914)	Jama pod Malim Kraljevcom
Jama za Mahrinacem (FRANKENBERGER, 1938a, STROUHAL, 1939a)	Jama za Mahrincem
Jama za Mahrincom (KARAMAN, 1966)	Jama za Mahrincem
Ješkalovića jama (KARAMAN, 1966)	Ješkalovica
Jezerina Jama (STROUHAL, 1939b)	Jezero
Josipdol Ponor (STROUHAL, 1939b)	Munjave
Kapacina (KARAMAN, 1966)	Kopačina
Karla Gruž (STROUHAL, 1939a, STROUHAL, 1939e, ARCANGELI, 1947, KARAMAN, 1966)	Karle
Kerkawasserfällen (VERHOEFF, 1930)	Krka
kleine Höhle bei Tonnj (STILLER, 1911b)	Gugečka pećina
kleine Höhle bei Tounj (STROUHAL, 1939b)	Gugečka pećina
Kolištini (GIROMETTA, 1913)	Koliština
Kopacina (FRANKENBERGER, 1938a, STROUHAL, 1939a)	Kopačina
Kötlenicehöhle (BEDEK <i>et al.</i> , 2006)	Vranjača
Kotluška pećina (BEDEK <i>et al.</i> , 2006, JALŽIĆ <i>et al.</i> , 2010)	Kotluška
Kraljeva pećina (GIROMETTA, 1914, STROUHAL, 1939a, KARAMAN, 1966)	Balićeva špilja
Krasulja (BEDEK <i>et al.</i> , 2006)	Biserujka
Ledena Pećina (STROUHAL, 1939b)	Ledenička špilja
Ledenica (LANGHOFFER, 1915a, STROUHAL, 1939b)	Ledena špilja
Ledenica (GIROMETTA, 1914, LANGHOFFER, 1915a)	Ledenica na podnožju Jabukovca
Ledenica am Mosor (STROUHAL, 1939a)	Ledenica na podnožju Jabukovca
Ledenica na Mosoru (KARAMAN, 1966)	Ledenica na podnožju Jabukovca
Lok. Nr. 250 (FRANKENBERGER, 1939)	Pećina na izvoru Cetine
Lok. Nr. 253 (FRANKENBERGER, 1939)	Pećina na Svilaji planini
Lok. Nr. 263 (FRANKENBERGER, 1939)	Pećina na istočnoj padini Mosor planine

Lok. Nr. 265 (FRANKENBERGER, 1939)	Pećina sjeveroistočno od Sinja
Lokve špilja (STROUHAL, 1939a, STROUHAL, 1939b, KARAMAN, 1966)	Lokvarka
Lukina jama (KEROVEC <i>et al.</i> , 1999)	Lukina jama – Trojama
Mačkova špilja (BEDEK <i>et al.</i> , 2006)	Velika špilja
Mali ora (FRANKENBERGER, 1939)	Škrabuljica
Markova špilja (FRANKENBERGER, 1938a, BEDEK <i>et al.</i> , 2006)	Markova špilja
Medina pećina (LANGHOFFER, 1912, LANGHOFFER, 1915b, CSIKI, 1926, STROUHAL, 1939b)	Medina špilja
Medvednica gornja špilja (BEDEK, 2007b)	Medvednica
Medvjedica (STROUHAL, 1939b)	Đulin ponor – Medvedica
Močilje cave (OZIMEC, 2005)	Močiljska špilja
Močilje pećina (STROUHAL, 1939b)	Močiljska špilja
Monte Maggiore (ARCANGELI, 1939a; GRUNER & TABACARU, 1963; GIURGINCA, 2009)	Učka
Morica pećina (KARAMAN, 1966)	Movrica
Mosorgebirge, in einer Höhle (SCHMÖLZER, 1965a)	Vranjača
Movricahöhle (BEDEK <i>et al.</i> , 2006, JALŽIĆ <i>et al.</i> , 2010)	Movrica
Mračna pećina (REDENŠEK, 1958)	Mračna špilja
Mračna pećina (STROUHAL, 1939a, KARAMAN, 1966)	Crvenkuša-Tamnica-Suhi Rumin
Mrešnica ponor (STROUHAL, 1939b)	Ambarac
Murcica (GOTTSTEIN <i>et al.</i> , 2001)	Špilja kod Murvice
Narenta-Grotten (KARAMAN, 1966)	Špilja u dolini Neretve
Narenta Grotten (STROUHAL, 1938, FRANKENBERGER & STROUHAL, 1940, BUTUROVIĆ, 1955c)	Špilja u dolini Neretve
Omišaljska špilja Bisernica (BEDEK <i>et al.</i> , 2006)	Biserujka
Ostasevica (GOTTSTEIN <i>et al.</i> , 2001)	Ostaševica
Otaševica (KARAMAN, 1966)	Ostaševica
Oteš (LANGHOFFER, 1912)	Oteška pećina
Ozaljska pećina (CSIKI, 1926)	Ozaljska špilja
Paganetijeva pećina (KARAMAN, 1966)	Pišurka
Paganetijeva špilja (KARAMAN, 1966, BEDEK <i>et al.</i> , 2006)	Pišurka
Paganetti (VERHOEFF, 1931a, VERHOEFF, 1931b, FRANKENBERGER, 1938a, STROUHAL, 1938, STROUHAL, 1939a, FRANKENBERGER & STROUHAL, 1940, ARCANGELI, 1947, ARGANO <i>et al.</i> , 1982, SCHMIDT & LEISTIKOW, 2004, BEDEK <i>et al.</i> , 2006)	Pišurka
Paganettijeva pećina (FRANKENBERGER, 1938a, BEDEK <i>et al.</i> , 2006)	Pišurka
Pećina iznad Opatije (KARAMAN, 1966)	Blaževa jama
Pećina iznad Opatije (KARAMAN, 1966)	Pećina Ivana Stanića i Franja Stanić
pećina kod Murvice (KARAMAN, 1966)	Špilja kod Murvice
Pećina kod Nebljusa (BUTUROVIĆ, 1963)	Krčevina
Pećina kod Ozlja (LANGHOFFER, 1912)	Ozaljska špilja
pećina kod Petrićevi (KARAMAN, 1966)	Čampari
pećina kod Pule (KARAMAN, 1966)	Špilja na Gradini kod Premanture
pećina kod Rosokatice na brdu Glava (KARAMAN, 1966)	Jakasova špilja
pećina kod s. Kotluša (KARAMAN, 1966)	Kotluša
pećina kod samostana u samom Trogiru (HADŽI, 1933)	Špilja od Bilosoja
pećina kod Tržića (LANGHOFFER, 1912)	Tržićka špilja
pećina kod Zagorja (LANGHOFFER, 1912)	Zagorska peć

pećina na sjeveroistočnoj padini Biokova (KARAMAN, 1966)	Pećina na sjeveroistočnim padinama Biokova
pećina na Sridnjoj Gori (KARAMAN, 1966)	Pećina u Sridnjoj gori
pećina na Svilaji planini (KARAMAN, 1966, BEDEK <i>et al.</i> , 2006)	Špilja na Svilaji planini
pećina na Učki (KARAMAN, 1966)	Špilja na Učki
pećina: Sv. Filipa i Jakoba (HADŽI, 1933)	Špilja Sv. Filipa i Jakoba
Piccola caverna sul Monte Maggiore (ARCANGELI, 1938)	Špilja na Učki
Pisuska (STROUHAL, 1938)	Pišurka
pit near Pula (GOTTSTEIN <i>et al.</i> , 2001)	Špilja na Gradini kod Premanture
Pit 3 near Banina Stream (KARAMAN <i>et al.</i> , 2009, JALŽIĆ <i>et al.</i> , 2010)	Jama kod potoka Banine 3
podzemni hod (JURINAC, 1886)	Ambarac
Ponor Mrežnice (JURINAC, 1886)	Ambarac
Porta Madonna (WOLF, 1938)	Porto Madonna
Promontore (WOLF, 1938, FRANKENBERGER & STROUHAL, 1940, KARAMAN, 1966)	Špilja na Gradini kod Premanture
Pusi oberhalb Abbazia (FRANKENBERGER & STROUHAL, 1940)	Pećina kod Puži
Rasokatica im Gebirge Glava (FRANKENBERGER & STROUHAL, 1940)	Jakasova špilja
Razgovača špilja (KARAMAN, 1966)	Bazgovača jama
Razgovača špilja (FRANKENBERGER, 1938a)	Bazgovača jama
Razgovača špilja (BEDEK <i>et al.</i> , 2006)	Bazgovača jama
Repnjak (LANGHOFFER, 1915a, STROUHAL, 1939d, ARCANGELI, 1940, KARAMAN, 1966)	Cerjanska špilja
Ročka špilja (OZIMEC <i>et al.</i> , 2011b)	Rabakova špilja
Rudelića pećina (KARAMAN, 1966)	Rudelića špilja
Rudelića Pećina N. I (STROUHAL, 1939a)	Rudelića špilja
Rudelića Pećina N. II (STROUHAL, 1939a)	Rudelića špilja
Sinjandra (GOTTSTEIN <i>et al.</i> , 2001)	Činjadra
Sipun Aeskulaprotte (VANDEL, 1955)	Šipun
Sitvuki barlang (LANGHOFFER, 1915b)	Sitvukova pećina
Sitvuki pećina (CSIKI, 1926, STROUHAL, 1939b)	Sitvukova pećina
Skocmen Spiljas (ARCANGELI, 1940)	Zdenec pri Ciglaru
Skočmen (LANDHOFFER, 1915a; KARAMAN, 1966)	Zdenec pri Ciglaru
Smrdeća pećina (REDENŠEK, 1958)	Crna pećina
Spela (KARAMAN, 1966)	Spila 1
Spila (BUTUROVIĆ, 1955c)	Spila 1
Spila Gjurgjevica (OZIMEC, 2004)	Samograd
Spilja Bezimena (STILLER, 1914)	Špilja u Mekoti
Spilja kod Rasokatrice (FRANKENBERGER, 1938a)	Jakasova špilja
Spilja na Smokovniku (UBIC & OZIMEC, 2005)	Špilja pod Kapelu
Spilja pod Humom (FRANKENBERGER, 1938a)	Špilja pod Humom
Spilja pod Vrhom (FRANKENBERGER, 1938a, STROUHAL, 1939a)	Špilja pod Vrhom
Spilja pri Nerznom Dolu (FRANKENBERGER, 1938a, STROUHAL, 1939a, ARCANGELI, 1947)	Špilja kod Nerezinog dola
Spilja pri Smokovniku (UBIC & OZIMEC, 2005)	Špilja pod Kapelu
Spisurća jama (BEDEK <i>et al.</i> , 2006)	Pišurka
Spisurska špilja (BEDEK <i>et al.</i> , 2006)	Pišurka
Svečara (STROUHAL, 1939b)	Zvečara
Svilanjska jama (BEDEK <i>et al.</i> , 2006)	Biserujka
Špilja Bezimena bei Košare (STROUHAL, 1939b)	Špilja u Mekoti

Špilja kod Oštarije ogulinske (JURINAC, 1886)	Ambarac
Špilja kod Premanture (BEDEK <i>et al.</i> , 2006)	Špilja na Gradini kod Premanture
Špilja kod Račica (BEDEK <i>et al.</i> , 2006)	Račiška pećina
Špilja kod Rasohatice (KARAMAN, 1966, BEDEK <i>et al.</i> , 2006)	Jakasova špilja
Špilja kod Trogira (KARAMAN, 1966, BEDEK <i>et al.</i> , 2006)	Špilja Sv. Filipa i Jakoba
Špilja kod Trogira (KARAMAN, 1966)	Špilja od Bilosoja
Špilja kod V. Rasoke (BEDEK <i>et al.</i> , 2006)	Jakasova špilja
špilja Močilje (OZIMEC, 2005)	Močiljska špilja
Špilja na izvoru Mrežnice (JURINAC, 1886)	Zagorska peć
špilja pri Nereznom dolu (KARAMAN, 1966)	Špilja kod Nerezinog dola
Tabaina špilja (FRANKENBERGER, 1938a, FRANKENBERGER, 1938b, ARCANGELI, 1939c, FRANKENBERGER & STROUHAL, 1940, KARAMAN, 1966, BEDEK <i>et al.</i> , 2006)	Tabaina špilja
tamniki (JURINAC, 1886)	Ambarac
Trimbušova pećina (REDENŠEK, 1958)	Crna pećina
Tržić pećina (CSIKI, E., 1926, STROUHAL, 1939b)	Tržička špilja
Tržići barlang (LANGHOFFER, 1912)	Tržička špilja
unnamed small cave at Mt. Maggiore (SCHMIDT & LEISTIKOW, 2004)	Špilja na Učki
Velika peć (BUTUROVIĆ, 1955c, KARAMAN, 1966)	Velika špilja
Velika pećina (BEDEK <i>et al.</i> , 2006, JALŽIĆ <i>et al.</i> , 2010)	Kotluša
Velika pećina (BEDEK <i>et al.</i> , 2006)	Velika špilja
Velika pećina kod Velikih Goranaca (LANGHOFFER, 1915a)	Velika špilja
Velika špilja (FRANKENBERGER, 1938a, FRANKENBERGER, 1938b, STROUHAL, 1939a, ARCANGELI, 1947)	Velika špilja
Velika špilja (ARCANGELI, 1939c)	Velika špilja
Vile Jezerkinje (REDENŠEK, 1958)	Crna pećina
Vilina pećina (BUTUROVIĆ, 1955b, KARAMAN, 1966)	Vilina špilja – Ombla
Vindija špilja (ARCANGELI, 1940)	Vindija
Vindija špilja (STROUHAL, 1939d, KARAMAN, 1966)	Vindija
Viteziceva pećina (GOTTSTEIN <i>et al.</i> , 2001)	Biserujka
Vitezičeva pećina (POTOČNIK, 1983, BEDEK <i>et al.</i> , 2006)	Biserujka
Vitezičova jama (BEDEK <i>et al.</i> , 2006)	Biserujka
Viteziča špilja (BEDEK <i>et al.</i> , 2006)	Biserujka
Vitezičeva pećina (GOTTSTEIN MATOČEC <i>et al.</i> , 2002)	Biserujka
Vlaška pećina (ARCANGELI, 1940, GOTTSTEIN <i>et al.</i> , 2001)	Vlaška peć
Vlaška Pećina bei Zengg zwischen Kozica und Smokvica (BEDEK <i>et al.</i> , 2006)	Vlaška peć
Vlaška pećina (STROUHAL, 1939d, KARAMAN, 1966, VUJČIĆ-KARLO & RAĐA, 2004, BEDEK <i>et al.</i> , 2006)	Vlaška peć
Vlaška špilja (BEDEK <i>et al.</i> , 2006)	Vlaška peć
Vodena jama (JURINAC, 1886, LANGHOFFER, 1912, LANGHOFFER, 1915b, CSIKI, 1926, STROUHAL, 1939b)	Ambarac
Vražić-pećina (LANGHOFFER, 1915a)	Vražića špilja
Vrlovkahöhle (STROUHAL, 1939b)	Vrlovka
Zagorje pećina (CSIKI, 1926, STROUHAL, 1939b)	Zagorska peć
Zagorska peć (VUJČIĆ-KARLO & RAĐA, 2004)	Vlaška peć
Zala (JALŽIĆ & BOŽIČEVIĆ, 1975)	Mikašinovića špilja
Žejava (STROUHAL, 1939a, KARAMAN, 1966)	Žejava
Zrinski rudnici (BEDEK, 2007b)	Rudnik Zrinski

APPENDIX 2.

Tab. 44. Collection records

Croatian Biospeleological Society (CBSS) collection	
CBSS collection 1	M. Lukić, 05.12.2008.
CBSS collection 2	J. Bedek, 24.01.2004.
CBSS collection 3	H. Bilandžija, 04.12.2004.
CBSS collection 4	R. Ozimec, 04.12.1994.; 29.10.2000.; J. Bedek, I. Boršić, R. Ozimec, 14.07.2001.; I. Boršić, 07.10.2001.; M. Lukić, 23.02.2003.; R. Ozimec, 26.02.2003.; M. Lukić, 21.04.2003.; 15.06.2003.; 07.11.2003.; J. Bedek, M. Lukić, 12.11.2003.; M. Lukić, R. Ozimec, 28.12.2003.; M. Pavlek, 13.05.2004.; J. Bedek, 04.12.2004.; M. Lukić, 22.12.2004.; J. Bedek, 16.01.2005.; H. Bilandžija, 26.02.2005.; R. Ozimec, 04.11.2006.
CBSS collection 5	J. Bedek, 16.04.2005.
CBSS collection 6	J. Bedek, 22.05.2005.
CBSS collection 7	H. Bilandžija, 14.06.2004.
CBSS collection 8	H. Bilandžija, 20.03.2005.
CBSS collection 9	R. Ozimec, 11.05.2008.
CBSS collection 10	R. Ozimec, P. Rade, 27.02.2009.
CBSS collection 11	J. Bedek, 18.07.2004.
CBSS collection 12	H. Cvitanović, 20.04.2006.
CBSS collection 13	P. Rade, 20.04.2006.
CBSS collection 14	M. Pavlek, 23.04.2006.
CBSS collection 15	M. Lukić, 27.10.2008.
CBSS collection 16	M. Lukić, 25.10.2008.
CBSS collection 17	M. Pavlek, 21.04.2006.; R. Ozimec, H. Cvitanović, 25.10.2008.
CBSS collection 18	M. Lukić, 23.09.2010.
CBSS collection 19	A. Komerički, 22.09.2010.
CBSS collection 20	L. Katušić, 13.05.2006.
CBSS collection 21	R. Ozimec, M. Pavlek, 27.05.2007.; J. Bedek, 0.11.2007.; F. Kljaković Gašpić, 13.05.2008.
CBSS collection 22	R. Ozimec, 27.05.2007.
CBSS collection 23	F. Kljaković Gašpić, R. Ozimec, P. Rade, 28.05.2007.
CBSS collection 24	R. Ozimec, 16.05.2006., 13.10.2006.; H. Cvitanović, R. Ozimec, 16.10.2006.; R. Ozimec, 04.11.2007.
CBSS collection 25	H. Bilandžija, L. Katušić, R. Ozimec, M. Pavlek, 14.05.2006.; P. Bregović, L. Katušić, A. Kolaric, P. Rade, 15.10.2006.
CBSS collection 26	H. Cvitanović, 03.05.2006.; H. Cvitanović, R. Ozimec, 14.10.2006.
CBSS collection 27	R. Ozimec, 16.11.2007.
CBSS collection 28	R. Ozimec, 12.05.2008.; H. Cvitanović, E. Domina, M. Lukić, R. Ozimec, 17.10.2008.; A. Komerički, 20.05.2009.
CBSS collection 29	P. Rade, 14.10.2008.
CBSS collection 30	R. Ozimec, 29.08.1993.; J. Bedek, 10.02.2002.; H. Bilandžija, R. Ozimec, M. Pavlek, 15.05.2006.; R. Ozimec, M. Pavlek, 27.05.2007.; H. Cvitanović, 02.11.2007.; E. Domina, 16.10.2008.
CBSS collection 31	R. Ozimec, P. Rade, 15.10.2006.
CBSS collection 32	H. Bilandžija, 14.05.2006.
CBSS collection 33	H. Cvitanović, P. Rade, 14.10.2006.

CBSS collection 34	R. Ozimec, 03.11.2007.
CBSS collection 35	P. Bregović, R. Ozimec, 04.11.2007.
CBSS collection 36	R. Ozimec, M. Pavlek, 17.05.2006.
CBSS collection 37	H. Cvitanović, R. Ozimec, 26.05.2007.; E. Domina, P. Rade, 18.10.2008.
CBSS collection 38	R. Ozimec, 25.05.2007.
CBSS collection 39	H. Cvitanović, R. Ozimec, 25.05.2007.
CBSS collection 40	H. Cvitanović, 17.10.2008.; R. Ozimec, P. Rade, 18.05.2009.
CBSS collection 41	P. Bregović, 17.10.2009.
CBSS collection 42	M. Lukić, 27.04.2009.
CBSS collection 43	J. Bedek, P. Bregović, 29.04.2009.
CBSS collection 44	H. Cvitanović, 28.04.2009.
CBSS collection 45	A. Komerički, 29.04.2009.
CBSS collection 46	J. Bedek, 05.03.2011.
CBSS collection 47	J. Bedek, 24.04.2009.
CBSS collection 48	M. Lukić, 24.06.2009.
CBSS collection 49	J. Bedek, 12.07.2005.
CBSS collection 50	R. Ozimec, 08.09.2009.
CBSS collection 51	J. Bedek, 06.12.2008.; J. Bedek, A. Kirin, 10.05.2009.
CBSS collection 52	H. Bilandžija, 15.06.2008.
CBSS collection 53	A. Kirin, 05.12.2009.
CBSS collection 54	M. Pavlek, 22.06.2008.
CBSS collection 55	J. Bedek, H. Cvitanović, 20.06.2008.; J. Bedek, 12.05.2009.
CBSS collection 56	H. Cvitanović, R. Ozimec, 17.02.1999.; R. Ozimec, 27.02.2000.; J. Bedek, 16.02.2003.; H. Cvitanović, 18.06.2008.; H. Cvitanović, 08.12.2008.; M. Lukić, 14.05.2009.
CBSS collection 57	H. Cvitanović, K. Miculinić, 22.06.2008.
CBSS collection 58	A. Kirin, 14.05.2009.
CBSS collection 59	J. Bedek, 20.06.2008.; K. Miculinić, 09.05.2009.
CBSS collection 60	J. Bedek, 09.05.2009.; A. Kirin, M. Lukić, 13.05.2009.
CBSS collection 61	R. Ozimec, 19.07.1998.
CBSS collection 62	T. Rubinić, 29.11.2003.
CBSS collection 63	J. Bedek, 30.11.2002.
CBSS collection 64	T. Dražina, M. Pavlek, 24.08.2008.; R. Ozimec, 26.08.2008.; M. Lukić, 15.05.2009.; M. Pavlek, 24.05.2009.
CBSS collection 65	H. Bilandžija, 14.06.2008.; M. Lukić, 05.12.2008.
CBSS collection 66	R. Ozimec, T. Rubinić, 03.11.2002.
CBSS collection 67	R. Ozimec, 08.02.2009.
CBSS collection 68	R. Ozimec, 26.02.2009.; K. Miculinić, 06.06.2009.; J. Bedek, 17.09.2009.
CBSS collection 69	I. Rašić, 07.12.2002.
CBSS collection 70	T. Rubinić, 29.09.2002.
CBSS collection 71	R. Ozimec, 21.12.2003.
CBSS collection 72	M. Pavlek, 04.12.2004.
CBSS collection 73	R. Ozimec, 13.04.2008.
CBSS collection 74	J. Bedek, M. Pavlek, 07.11.2006.
CBSS collection 75	D. Hmura, 16.09.2007.
CBSS collection 76	M. Pavlek, 25.07.2006.
CBSS collection 77	M. Pavlek, 25.07.2006.

CBSS collection 78	D. Hmura, 17.09.2007.
CBSS collection 79	P. Bregović, 17.09.2007.
CBSS collection 80	M. Pavlek, 17.09.2007.
CBSS collection 81	P. Bregović, 14.09.2007.
CBSS collection 82	H. Bilandžija, 25.04.2006.
CBSS collection 83	H. Cvitanović, 06.11.2006.
CBSS collection 84	H. Bilandžija, 23.07.2006.
CBSS collection 85	M. Pavlek, 06.11.2006.
CBSS collection 86	P. Bregović, 28.06.2009.
CBSS collection 87	M. Pavlek, 22.04.2009.
CBSS collection 88	M. Pavlek, 26.04.2009.
CBSS collection 89	P. Bregović, 21.04.2009.
CBSS collection 90	J. Bedek, 08.09.2009.
CBSS collection 91	J. Bedek, M. Lukić, 05.09.2009.
CBSS collection 92	A. Kirin, 14.05.2009.
CBSS collection 93	A. Komerički, K. Miculinić, 14.05.2009.
CBSS collection 94	J. Bedek, 14.05.2009.
CBSS collection 95	J. Bedek, M. Lukić, 27.08.2008.; J. Bedek, 14.02.2009.; R. Ozimec, 12.05.2009.
CBSS collection 96	M. Pavlek, 11.06.2004.; R. Ozimec, 07.09.2009.
CBSS collection 97	J. Bedek, M. Lukić, 17.04.2004.
CBSS collection 98	M. Pavlek, 11.06.2004.
CBSS collection 99	R. Ozimec, 17.06.2008.
CBSS collection 100	R. Ozimec, 17.06.2008.; J. Bedek, 05.12.2008.; R. Baković, H. Bilandžija, 10.05.2009.; A. Komerički, R. Ozimec, 13.05.2009.
CBSS collection 101	K. Miculinić, 19.06.2008.
CBSS collection 102	H. Bilandžija, 17.06.2008.
CBSS collection 103	J. Bedek, H. Cvitanović, 27.08.2004.
CBSS collection 104	A. Komerički, 14.05.2009.; P. Kovač Konrad, 02.12.2009.
CBSS collection 105	J. Bedek, 06.12.2008.; J. Bedek, A. Kirin, 10.05.2009.
CBSS collection 106	R. Ozimec, 22.02.1998., 11.11.1998.; M. Lukić, 12.02.2009.
CBSS collection 107	R. Ozimec, 30.03.2004.
CBSS collection 108	J. Bedek, M. Kipson, 15.06.2008.; H. Cvitanović, 12.09.2009.
CBSS collection 109	M. Lukić, 25.08.2008.
CBSS collection 110	M. Lukić, 15.06.2008.; A. Kirin, 13.05.2009.
CBSS collection 111	M. Pavlek, 20.06.2008.
CBSS collection 112	M. Lukić, 16.06.2008.
CBSS collection 113	M. Lukić, 26.08.2008.
CBSS collection 114	M. Pavlek, 21.06.2008.
CBSS collection 115	J. Bedek, M. Lukić, R. Ozimec, 18.06.2008.; A. Komerički, 12.05.2009.; J. Bedek, M. Lukić, 23.05.2009.
CBSS collection 116	M. Pavlek, 20.06.2008.; A. Kirin, 13.05.2009.
CBSS collection 117	M. Lukić, 17.06.2008.
CBSS collection 118	J. Bedek, 22.06.2008.
CBSS collection 119	R. Baković, 21.06.2008.; M. Pavlek, 24.08.2008.; R. Ozimec, 26.08.2008.
CBSS collection 120	J. Bedek, 19.03.2009., 17.09.2009.
CBSS collection 121	I. Kovačić, B. Mikac, G. Palijan, R. Žaja, 28.06.1999.

CBSS collection 122	R. Ozimec, 07.01.2000.
CBSS collection 123	R. Ozimec, 10.01.2000.
CBSS collection 124	R. Ozimec, 09.01.2000.
CBSS collection 125	R. Ozimec, 09.01.2000.
CBSS collection 126	H. Bilandžija, 20.10.2007.
CBSS collection 127	M. Pavlek, 01.10.2007., H. Bilandžija, 01.01.2010.
CBSS collection 128	J. Bedek, 31.10.2002., 28.06.2003.; I. Jaklinović, M. Lukić, R. Ozimec, 31.10.2003.; M. Lukić, 26.03.2004.; R. Ozimec, 27.05.2004.; M. Franičević, 28.06.2004.; J. Bedek, 22.08.2005.
CBSS collection 129	I. Jaklinović, R. Ozimec, 02.10.2007.; P. Bregović, 03.03.2008.; H. Cvitanović, 04.03.2008.
CBSS collection 130	D. Hmura, I. Jaklinović, M. Manger, R. Ozimec, 30.09.2007.; L. Đud, 02.03.2008.; P. Bregović, T. Čuković, D. Hmura, 04.03.2008.
CBSS collection 131	R. Ozimec, M. Manger, M. Drčelić, 03.03.2008.
CBSS collection 132	H. Bilandžija, P. Bregović, D. Hmura, I. Jaklinović, M. Lukić, M. Manger, 28.09.2007.; M. Manger, M. Lukić, 02.10.2007.; P. Bregović, H. Cvitanović, N. Raguž, 02.03.2008.
CBSS collection 133	H. Bilandžija, D. Hmura, 29.09.2007.; L. Đud, N. Raguž, 03.03.2008.
CBSS collection 134	M. Pavlek, 03.10.2007.
CBSS collection 135	J. Bedek, 26.04.2004.
CBSS collection 136	R. Ozimec, 01.09.1995.; S. Gottstein, R. Ozimec, M. Vojinović, 04.06.2000.; H. Bilandžija, R. Ozimec, M. Pavlek, 26.04.2004.; H. Bilandžija, P. Bregović, M. Pavlek, 30.09.2007.
CBSS collection 137	S. Gottstein, N. Matočec, R. Ozimec, 03.06.2000.; R. Ozimec, 25.04.2004.
CBSS collection 138	J. Bedek, R. Ozimec, M. Pavlek, 25.04.2004.;
CBSS collection 139	S. Gottstein, N. Matočec, R. Ozimec, M. Vojinović, 02.06.2000.; H. Bilandžija, R. Ozimec, M. Pavlek, 23.04.2004.; H. Bilandžija, P. Bregović, M. Pavlek, 01.10.2007.; D. Ozimec, Mat. Vojinović, 26.12.2009.
CBSS collection 140	M. Pavlek, 29.04.2008.
CBSS collection 141	B. Jalžić, 09.04.2007.
CBSS collection 142	M. Pavlek, 09.04.2007.; 13.04.2007.
CBSS collection 143	J. Bedek, I. Boršić, T. Dražina, 16.06.2001.; J. Bedek, 21.06.2001.; H. Cvitanović, M. Pavlek, 07.04.2007.
CBSS collection 144	J. Bedek, I. Boršić, T. Dražina, 18.06.2001.; H. Cvitanović, M. Pavlek, 11.04.2007.
CBSS collection 145	J. Bedek, 03.05.2008.
CBSS collection 146	J. Bedek, I. Boršić, T. Dražina, 19.06.2001.
CBSS collection 147	J. Bedek, 17.06.2001.; J. Bedek, H. Bilandžija, M. Pavlek, 08.04.2007.
CBSS collection 148	J. Bedek, I. Boršić, T. Dražina, 17.06.2001.; M. Pavlek, 08.04.2007.; J. Bedek, 28.04.2008.
CBSS collection 149	M. Pavlek, 07.04.2007.
CBSS collection 150	M. Pavlek, 02.05.2008.
CBSS collection 151	H. Bilandžija, 30.04.2008.
CBSS collection 152	M. Pavlek, 01.05.2008.
CBSS collection 153	J. Bedek, M. Lukić, 04.08.2006.
CBSS collection 154	H. Bilandžija, M. Lukić, M. Pavlek, 02.08.2005.; H. Bilandžija, 28.09.2006.
CBSS collection 155	J. Bedek, M. Lukić, 21.07.2005.
CBSS collection 156	J. Bedek, R. Ozimec, 06.01.2005.
CBSS collection 157	H. Bilandžija, 06.01.2005.

CBSS collection 158	J. Bedek, M. Pavlek, 09.01.2005.
CBSS collection 159	J. Bedek, M. Lukić, M. Pavlek, 01.08.2006.
CBSS collection 160	R. Slapnik, 09.01.2005.
CBSS collection 161	M. Lukić, 12.10.2003.; H. Bilandžija, R. Ozimec, 08.01.2005.
CBSS collection 162	H. Bilandžija, R. Ozimec, M. Pavlek, 08.01.2005.
CBSS collection 163	J. Bedek, M. Pavlek, 08.01.2005.
CBSS collection 164	M. Franičević, 08.12.2004.
CBSS collection 165	M. Lukić, S. Minihofer, 28.07.2006.; I. Jaklinović, R. Ozimec, 01.08.2006.
CBSS collection 166	J. Bedek, 30.01.2002.; J. Bedek, M. Lukić, 29.03.2005.
CBSS collection 167	R. Ozimec, 07.01.2005.
CBSS collection 168	J. Bedek, 30.01.2002.; M. Franičević, 08.01.2005.
CBSS collection 169	J. Bedek, R. Ozimec, 07.01.2005.
CBSS collection 170	H. Bilandžija, M. Pavlek, 05.06.2006.
CBSS collection 171	R. Ozimec, 12.08.1998.; T. Rubinić, 13.06.1999.; J. Bedek, I. Kovačić, B. Mikac, G. Palijan, R. Žaja, 03.07.1999.; H. Bilandžija, 07.06.2006.; M. Drčelić, L. Đud, D. Hmura, 01.10.2008.
CBSS collection 172	T. Dražina, 10.06.2006.
CBSS collection 173	J. Bedek, 12.09.2006.
CBSS collection 174	P. Rade, 12.09.2006.
CBSS collection 175	M. Pavlek, 09.06.2006.
CBSS collection 176	H. Bilandžija, 09.06.2006.
CBSS collection 177	M. Pavlek, 03.08.2006.; J. Bedek, 16.08.2006.
CBSS collection 178	J. Bedek, 16.06.2002.
CBSS collection 179	J. Bedek, 03.04.2006.; R. Ozimec, 25.08.2010.
CBSS collection 180	S. Bušelić, R. Ozimec, 15.05.2000.
CBSS collection 181	S. Bušelić, R. Ozimec, 15.05.2000.; R. Ozimec, 21.06.2002.
CBSS collection 182	R. Ozimec, 28.04.2002.; J. Bedek, 15.06.2002.
CBSS collection 183	V. Jalžić, 16.10.2002.; J. Bedek, H. Cvitanović, 03.04.2006.
CBSS collection 184	R. Ozimec, 21.03.2004.; H. Cvitanović, 17.11.2005.
CBSS collection 185	H. Cvitanović, 25.05.2004.; H. Bilandžija, 04.04.2006.
CBSS collection 186	R. Ozimec, 25.03.2003.
CBSS collection 187	R. Ozimec, 17.06.2002.
CBSS collection 188	J. Bedek, V. Jalžić, M. Lukić, R. Ozimec, 25.03.2003.
CBSS collection 189	J. Bedek, M. Lukić, R. Ozimec, 17.10.2002.
CBSS collection 190	J. Bedek, 25.06.2002.; R. Ozimec, 18.11.2005.
CBSS collection 191	R. Ozimec, 14.10.2002.; H. Bilandžija, M. Lukić, 02.04.2006.
CBSS collection 192	M. Lukić, 27.10.2003.
CBSS collection 193	H. Bilandžija, 19.11.2005.
CBSS collection 194	J. Bedek, R. Ozimec, 26.03.2003.; J. Bedek, M. Lukić, 23.03.2004.; R. Ozimec, 17.05.2010.
CBSS collection 195	R. Ozimec, 27.10.2003.
CBSS collection 196	R. Ozimec, 27.10.2003.
CBSS collection 197	M. Lukić, R. Ozimec, 17.06.2002.; J. Bedek, H. Cvitanović, R. Ozimec, M. Pavlek, 28.10.2006.; R. Ozimec, 06.11.2009.
CBSS collection 198	M. Franičević, 02.07.2000.
CBSS collection 199	B. Jalžić, F. Kljaković Gašpić, 01.05.2009.
CBSS collection 200	H. Bilandžija, R. Ozimec, M. Pavlek, 21.08.2004.; M. Pavlek, 26.07.2008.; H. Bilandžija, 14.08.2009.

CBSS collection 201	H. Cvitanović, 13.10.2007.
CBSS collection 202	M. Pavlek, 22.08.2004.
CBSS collection 203	B. Jalžić, 18.08.2004.
CBSS collection 204	H. Bilandžija, M. Pavlek, 21.08.2004.; A. Duplić, 27.05.2008.
CBSS collection 205	M. Pavlek, 22.08.2004.
CBSS collection 206	H. Bilandžija, 01.08.2009.
CBSS collection 207	J. Bedek, 31.01.2002.; M. Bašić, D. Vraneković, 27.07.2007.; M. Lukić, 28.07.2007.
CBSS collection 208	A. Kirin, 29.07.2007.
CBSS collection 209	H. Bilandžija, 30.07.2007.
CBSS collection 210	T. Rubinić, 24.-25.07.2007.; J. Bedek, 28.07.2007.
CBSS collection 211	A. Kirin, T. Rubinić, 30.07.2007.
CBSS collection 212	A. Kirin, 04.08.2009.
CBSS collection 213	A. Kirin, 28.06.2009.
CBSS collection 214	T. Rubinić, 22.07.2007.; M. Lukić, 29.07.2007.
CBSS collection 215	M. Franičević, 26.01.1997.; J. Bedek, 31.01.2002.; M. Pavlek, 04.02.2006.; M. Pavlek, N. Raguž, 30.07.2007.
CBSS collection 216	A. Kirin, 27.06.2009.
CBSS collection 217	M. Pavlek, 17.08.2005.
CBSS collection 218	I. Jaklinović, M. Lukić, 26.10.2003.
CBSS collection 219	J. Bedek, 29.06.2002.; R. Ozimec, 23.03.2003., 08.11.2009.
CBSS collection 220	J. Bedek, 22.03.2004.
CBSS collection 221	I. Jaklinović, M. Lukić, R. Ozimec, 28.10.2003.; M. Pavlek, 24.03.2004.; M. Lukić, 01.04.2006.
CBSS collection 222	M. Lukić, 25.10.2003.
CBSS collection 223	J. Bedek, 28.10.2003.; 26.10.2006.
CBSS collection 224	R. Ozimec, 26.10.2003.
CBSS collection 225	J. Bedek, M. Lukić, 23.03.2003.
CBSS collection 226	H. Cvitanović, 16.11.2005.
CBSS collection 227	J. Bedek, 19.06.2003.; 20.06.2003.
CBSS collection 228	J. Bedek, 26.06.2002.
CBSS collection 229	J. Bedek, 20.03.2004.
CBSS collection 230	J. Bedek, 18.06.2003.
CBSS collection 231	J. Bedek, 05.04.2006.
CBSS collection 232	M. Lukić, R. Ozimec, 20.06.2002.
CBSS collection 233	J. Bedek, 23.11.2005.
CBSS collection 234	J. Bedek, 19.06.2003.
CBSS collection 235	R. Ozimec, 16.05.2010.
CBSS collection 236	M. Lukić, R. Ozimec, 18.10.2002.
CBSS collection 237	R. Ozimec, 20.03.2004.
CBSS collection 238	M. Lukić, 25.10.2006.
CBSS collection 239	M. Lukić, R. Ozimec, 15.10.2002.; J. Bedek, M. Lukić, R. Ozimec, 22.03.2003.
CBSS collection 240	J. Bedek, 24.11.2005.; M. Lukić, R. Ozimec, 02.04.2006.
CBSS collection 241	M. Franičević, 20.06.2003.
CBSS collection 242	H. Cvitanović, M. Pavlek, 05.04.2006.
CBSS collection 243	R. Ozimec, 29.12.1997., 26.08.1998., 24.09.2001., 26.04.2002., 19.06.2002.; J. Bedek, R. Ozimec, 25.03.2004.; R. Ozimec, 27.07.2004., 08.09.2005.; H. Cvitanović, M. Pavlek, 06.04.2006.; R. Ozimec, 28.07.2006., 29.10.2006., 04.11.2009.

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CBSS collection 245	J. Bedek, M. Pavlek, 21.11.2005.
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CBSS collection 248	R. Ozimec, 27.04.2002.; 16.10.2002.; H. Cvitanović, R. Ozimec, 05.11.2009.
CBSS collection 249	J. Bedek, G. Mišćenić, 22.06.2003.
CBSS collection 250	R. Ozimec, 06.11.2009.
CBSS collection 251	R. Ozimec, 03.05.1997.
CBSS collection 252	M. Pavlek, 02.04.2006.
CBSS collection 253	H. Cvitanović, 13.11.2010.
CBSS collection 254	H. Bilandžija, 21.03.2004.
CBSS collection 255	B. Jalžić, R. Ozimec, 19.10.2000.; J. Bedek, 09.07.2009.; R. Ozimec, P. Rade, 26.05.2009.
CBSS collection 256	B. Jalžić, M. Lukić, 27.04.2004.
CBSS collection 257	J. Bedek, H. Bilandžija, 24.04.2004.
CBSS collection 258	R. Ozimec, 27.04.2004.
CBSS collection 259	M. Lukić, 25.04.2004.
CBSS collection 260	S. Gottstein Matočec, R. Ozimec, M. Vojinović, 04.06.2000.; H. Bilandžija, M. Pavlek, 26.04.2004.; H. Bilandžija, P. Bregović, M. Pavlek, 30.09.2007.
CBSS collection 261	J. Bedek, 25.04.2004.
CBSS collection 262	M. Lukić, 24.04.2004.
CBSS collection 263	J. Bedek, 25.04.2004.
CBSS collection 264	M. Lukić, 23.04.2004.
CBSS collection 265	H. Bilandžija, M. Lukić, 25.04.2004.; M. Lukić, 27.04.2004.
CBSS collection 266	R. Ozimec, 28.08.1995.; R. Ozimec, S. Gottstein Matočec, M. Vojinović, 04.06.2000.; H. Bilandžija, R. Ozimec, M. Pavlek, 23.04.2004.; H. Bilandžija, P. Bregović, 01.10.2007.; M. Ozimec, 26.12.2009.
CBSS collection 267	J. Bedek, 30.03.2008., 02.11.2008.
CBSS collection 268	J. Bedek, A. Kirin, 24.06.2010.
CBSS collection 269	B. Jalžić, 21.08.1997.
CBSS collection 270	R. Ozimec, 04.11.2008.; A. Komerički, K. Miculinić, 23.06.2009.
CBSS collection 271	R. Ozimec, 07.-08.10.2009.
CBSS collection 272	R. Ozimec, 31.03.2008.; J. Bedek, M. Lukić, 03.11.2008.
CBSS collection 273	J. Bedek, P. Rade, 03.04.2005.; J. Bedek, 15.03.2011.
CBSS collection 274	M. Franičević, 29.09.1996.; R. Ozimec, 04.08.2004., 26.10.2006.; J. Bedek, 22.10.2007.; F. Kljaković Gašpić, M. Pavlek, 05.01.2009.; M. Lukić, M. Novokmet, 05.10.2009.
CBSS collection 275	J. Bedek, M. Lukić, 22.10.2007.; H. Bilandžija, 05.01.2009.
CBSS collection 276	J. Bedek, H. Bilandžija, 24.10.2007.
CBSS collection 277	J. Bedek, H. Bilandžija, 24.10.2007.
CBSS collection 278	J. Bedek, R. Ozimec, 28.11.2010.
CBSS collection 279	J. Bedek, 29.11.2010.
CBSS collection 280	R. Ozimec, H. Cvitanović, 23.12.2007.
CBSS collection 281	B. Jalžić, 03.07.2009.
CBSS collection 282	J. Bedek, 29.11.2010.
CBSS collection 283	R. Ozimec, S. Polak, 06.07.2010.; J. Bedek, R. Ozimec, 26.11.2010.
CBSS collection 284	A. Kirin, K. Miculinić, 02.06.2010.
CBSS collection 285	H. Bilandžija, M. Lukić, 07.11.2006.

CBSS collection 286	M. Lukić, 16.09.2007.
CBSS collection 287	I. Jaklinović, 25.07.2006.
CBSS collection 288	D. Hmura, M. Lukić, 17.09.2007.
CBSS collection 289	A. Komerički, K. Miculinić, 02.06.2010.
CBSS collection 290	P. Bregović, 17.09.2007.
CBSS collection 291	P. Bregović, M. Pavlek, 17.09.2007.
CBSS collection 292	M. Pavlek, 26.07.2006.; H. Bilandžija, 14.09.2007.
CBSS collection 293	P. Bregović, 18.09.2007.
CBSS collection 294	H. Bilandžija, 25.06.2009.
CBSS collection 295	M. Lukić, 25.06.2009.
CBSS collection 296	A. Komerički, K. Miculinić, 03.06.2010.
CBSS collection 297	J. Bedek, 01.06.2010.
CBSS collection 298	M. Lukić, 27.06.2009.; J. Bedek, M. Lukić, K. Miculinić, 04.06.2010.
CBSS collection 299	M. Lukić, 27.06.2009.
CBSS collection 300	D. Hmura, 18.09.2007.
CBSS collection 301	J. Bedek, P. Bregović, 25.06.2009.
CBSS collection 302	H. Bilandžija, P. Bregović, A. Kolaric, M. Lukić, M. Pavlek, 23.07.2006.
CBSS collection 303	M. Rađenović, 13.09.2008.
CBSS collection 304	J. Bedek, M. Lukić, 04.06.2010.
CBSS collection 305	P. Bregović, 27.06.2009.
CBSS collection 306	J. Bedek, K. Miculinić, 01.06.2010.
CBSS collection 307	M. Lukić, 24.04.2009.
CBSS collection 308	M. Pavlek, 24.07.2006.; A. Kirin, 04.06.2010.
CBSS collection 309	A. Komerički, 24.04.2009.
CBSS collection 310	J. Bedek, 17.09.2007.
4CBSS collection 311	J. Bedek, M. Lukić, 28.06.2009.
CBSS collection 312	J. Bedek 24.04.2009.
CBSS collection 313	M. Pavlek, 22.04.2009.
CBSS collection 314	J. Bedek, P. Bregović, A. Komerički, 21.04.2009.
CBSS collection 315	M. Pavlek, 17.10.2009.
CBSS collection 316	J. Bedek, M. Lukić, M. Pavlek, 08.07.2007.; P. Bregović, M. Lukić, 28.04.2009.; A. Komerički, 16.10.2009.
CBSS collection 317	A. Kirin, 06.06.2010.
CBSS collection 318	P. Bregović, M. Lukić, 16.10.2009.
CBSS collection 319	J. Bedek, M. Lukić, M. Pavlek, 09.07.2007.; J. Bedek, M. Lukić, 06.04.2008.; P. Bregović, A. Komerički, 27.04.2009.; L. Đud, A. Komerički, 16.10.2009.
CBSS collection 320	J. Bedek, M. Lukić, 06.04.2008.; H. Cvitanović, 28.04.2009.; M. Lukić, 18.10.2009.
CBSS collection 321	M. Lukić, 16.10.2009.
CBSS collection 322	H. Cvitanović, A. Čukušić, A. Komerički, M. Lukić, 29.04.2009.; P. Bregović, 15.10.2009.; A. Komerički, 17.10.2009.
CBSS collection 323	M. Lukić, 02.07.2005.
CBSS collection 324	J. Bedek, M. Lukić, R. Ozimec, 08.05.2005.; M. Pavlek, 05.08.2007.; J. Bedek, A. Kirin, 01.05.2010.
CBSS collection 325	H. Bilandžija, I. Budinski, 30.07.2007.
CBSS collection 326	A. Kirin, 31.04.2010.
CBSS collection 327	J. Bedek, 23.06.2010.
CBSS collection 328	J. Bedek, 21.06.2010.

CBSS collection 329	B. Jalžić, 25.08.1997.
CBSS collection 330	V. Jakobović, M. Lukić, R. Ozimec, M. Pavlek, 24.09.2005.
CBSS collection 331	H. Bilandžija, M. Pavlek, 21.07.2007.
CBSS collection 332	N. Raguž, 21.07.2007.; M. Pavlek, 12.08.2007.
CBSS collection 333	A. Kirin, 14.05.2009.
CBSS collection 334	K. Miculinić, 14.05.2009.
CBSS collection 335	M. Lukić, 14.05.2009.
CBSS collection 336	J. Bedek, 27.08.2008.
CBSS collection 337	R. Ozimec, 28.01.1995. ; J. Bedek, M. Lukić, 17.04.2004.
CBSS collection 338	H. Cvitanović, 10.2000.
CBSS collection 339	H. Bilandžija, 15.06.2008., 23.08.2008.; A. Kirin, 11.05.2009.; A. Komerički, 14.05.2009.
CBSS collection 340	H. Cvitanović, 17.07.1999.
CBSS collection 341	H. Cvitanović, 18.05.1997.; R. Ozimec, 11.11.1998.
CBSS collection 342	J. Bedek, K. Miculinić, 15.06.2008.; A. Komerički, 12.09.2009.
CBSS collection 343	H. Cvitanović, 10.09.2000.; M. Pavlek, 25.08.2008.
CBSS collection 344	J. Bedek, 12.05.2009.*
CBSS collection 345	K. Miculinić, 18.06.2008.; A. Komerički, 12.05.2009.; A. Kirin, M. Lukić, 14.05.2009.
CBSS collection 346	M. Lukić, 15.06.2008.
CBSS collection 347	J. Bedek, 13.05.2009.
CBSS collection 348	H. Bilandžija, 16.06.2008.
CBSS collection 349	J. Bedek, 24.06.2008.; M. Lukić, K. Miculinić, M. Pavlek, 26.08.2008.; M. Lukić, 12.05.2009.; A. Kirin, 24.05.2009.
CBSS collection 350	M. Pavlek, 21.06.2008.
CBSS collection 351	H. Cvitanović, 12.10.2001.; M. Lukić, 17.06.2008.; J. Bedek, 09.05.2009.; A. Kirin, 13.05.2009.
CBSS collection 352	K. Miculinić, 08.12.2008.; J. Bedek, 14.05.2009.
CBSS collection 353	H. Bilandžija, 18.06.2008.; M. Lukić, 07.12.2008.; A. Kirin, 24.05.2009.
CBSS collection 354	M. Lukić, 15.06.2008.; A. Kirin, 10.05.2009.
CBSS collection 355	J. Bedek, H. Cvitanović, 20.03.2009.; R. Ozimec, 06.06.2009.
CBSS collection 356	J. Bedek, 19.03.2009.
CBSS collection 357	R. Ozimec, P. Rade, 20.03.2009.
CBSS collection 358	R. Ozimec, P. Rade, 20.03.2009.
CBSS collection 359	R. Ozimec, 12.07.1998.; J. Bedek, H. Cvitanović, M. Lukić, 18.03.2009.; J. Bedek, 07.06.2009.
CBSS collection 360	J. Bedek, 09.06.2003.
CBSS collection 361	T. Kolman, 27.10.2002.
CBSS collection 362	R. Ozimec, 25.08.1996., 28.02.1998.
CBSS collection 363	R. Ozimec, 01.02.1998.; J. Bedek, M. Lukić, 22.09.2002.
CBSS collection 364	R. Ozimec, T. Rubinić, 01.02.2002.
CBSS collection 365	R. Ozimec, 07.06.2003.
CBSS collection 366	R. Ozimec, I. Rašić, 09.06.2003.
CBSS collection 367	T. Rubinić, 29.11.2003.
CBSS collection 368	R. Ozimec, 26.04.2003.
CBSS collection 369	T. Rubinić, 01.12.2002.
CBSS collection 370	J. Bedek, 21.09.2002.
CBSS collection 371	J. Bedek, R. Ozimec, T. Rubinić, 21.09.2002.

CBSS collection 372	T. Rubinić, 26.04.1998., 18.06.1989.; J. Bedek, 27.01.2003.
CBSS collection 373	R. Ozimec, T. Rubinić, 20.09.2002.; M. Lukić, 22.09.2002.
CBSS collection 374	K. Motočić, 09.06.2003.
CBSS collection 375	T. Rubinić, 24.02.2002.; R. Ozimec, T. Rubinić, 20.09.2002.; T. Rubinić, 07.10.2002.
CBSS collection 376	J. Bedek, 22.09.2002.
CBSS collection 377	R. Baković, 21.06.2008.; J. Bedek, M. Pavlek, 24.08.2008.; M. Lukić, 24.05.2009.
CBSS collection 378	K. Miculinić, 24.06.2008.; A. Komerički, 15.05.2009.
CBSS collection 379	M. Lukić, K. Miculinić, 14.06.2008.
CBSS collection 380	R. Ozimec, T. Rubinić, 03.11.2002.
CBSS collection 381	T. Rubinić, 07.09.2003.
CBSS collection 382	T. Rubinić, 18.01.1998.; R. Ozimec, T. Rubinić, 15.09.2002.
CBSS collection 383	H. Cvitanović, 17.09.2009.
CBSS collection 384	J. Bedek, 19.03.2009.
CBSS collection 385	J. Bedek, 03.11.2002.
CBSS collection 386	T. Rubinić, 02.02.2002.
CBSS collection 387	T. Rubinić, 15.11.1997.; R. Ozimec, 19.04.1998.; J. Bedek, R. Ozimec, T. Rubinić, 02.11.2002.
CBSS collection 388	R. Ozimec, 02.02.1997.; J. Bedek, R. Ozimec, T. Rubinić, 02.11.2002.; J. Bedek, 19.10.2003.; M. Pavlek, 11.12.2004.
CBSS collection 389	T. Rubinić, 02.05.1998.
CBSS collection 390	T. Rubinić, 31.08.1997.; R. Ozimec, T. Rubinić, 03.11.2002.
CBSS collection 391	H. Cvitanović, 27.04.1996.; R. Ozimec, 29.01.1998.; H. Cvitanović, 01.02.1998.; R. Ozimec, 27.02.2000.; J. Bedek, 20.10.2001.
CBSS collection 392	J. Bedek, 08.08.2003.; J. Bedek, M. Lukić, 05.08.2004., 06.08.2004.; J. Bedek, 10.08.2005.
CBSS collection 393	M. Lukić, 29.-30.05.2010.
CBSS collection 394	J. Bedek, R. Ozimec, 27.11.2010.
CBSS collection 395	J. Bedek, M. Pavlek, 07.11.2006.
CBSS collection 396	M. Lukić, 19.09.2007.
CBSS collection 397	M. Lukić, 07.11.2006.
CBSS collection 398	R. Ozimec, 14.09.2007.
CBSS collection 399	J. Bedek, 06.11.2006.
CBSS collection 400	J. Bedek, P. Bregović, M. Pavlek, 23.04.2009.
CBSS collection 401	J. Bedek, M. Lukić, 08.11.2006.
CBSS collection 402	A. Kolarić, 26.07.2006.
CBSS collection 403	J. Bedek, M. Lukić, 18.09.2007.
CBSS collection 404	J. Bedek, 05.11.2006.
CBSS collection 405	H. Bilandžija, P. Bregović, 25.06.2009.
CBSS collection 406	M. Lukić, 25.06.2009.
CBSS collection 407	J. Bedek, A. Kirin, 03.06.2010.
CBSS collection 408	M. Lukić, 25.04.2009.
CBSS collection 409	K. Miculinić, 01.06.2010.
CBSS collection 410	J. Bedek, P. Bregović, 26.06.2009.
CBSS collection 411	J. Bedek, M. Lukić, K. Miculinić, 04.06.2010.
CBSS collection 412	A. Komerički, M. Lukić, 01.06.2010.
CBSS collection 413	M. Lukić, 27.06.2009.

CBSS collection 414	H. Bilandžija, D. Hmura, M. Pavlek, 18.09.2007.
CBSS collection 415	H. Bilandžija, , 27.06.2009.
CBSS collection 416	H. Cvitanović, M. Lukić, M. Pavlek, 06.11.2006.
CBSS collection 417	H. Bilandžija, M. Lukić, 26.06.2009.
CBSS collection 418	J. Bedek, H. Bilandžija, P. Bregović, 27.06.2009.
CBSS collection 419	J. Bedek, 26.06.2009.
CBSS collection 420	P. Bregović, I. Jaklinović, A. Kolarić, M. Pavlek, N. Raguž, 24.07.2006.; A. Kirin, A. Komerički, 04.06.2010.
CBSS collection 421	J. Bedek, P. Bregović, 24.06.2009.
CBSS collection 422	H. Bilandžija, B. Jalžić, M. Pavlek, 04.11.2006.; H. Bilandžija, 17.09.2007.
CBSS collection 423	J. Bedek, 04.11.2006.
CBSS collection 424	H. Bilandžija, P. Bregović, 28.06.2009.
CBSS collection 425	H. Bilandžija, H. Cvitanović, M. Pavlek, 04.10.2006.
CBSS collection 426	J. Bedek, M. Lukić, 28.06.2009.
CBSS collection 427	M. Pavlek, 26.04.2009.
CBSS collection 428	J. Bedek, 26.04.2009.; A. Kirin, A. Komerički, 04.06.2010.
CBSS collection 429	P. Bregović, A. Komerički, 21.04.2009.
CBSS collection 430	P. Bregović, 24.04.2009.
CBSS collection 431	R. Ozimec, 03.07.1994., 09.04.1994., 28.09.1996.; J. Bedek, R. Ozimec, 07.07.2007.
CBSS collection 432	M. Lukić, 02.05.2004.
CBSS collection 433	R. Ozimec, 01.06.1997.
CBSS collection 434	S. Minihofer, 24.07.2004.
CBSS collection 435	R. Ozimec, 03.08.2003.
CBSS collection 436	R. Ozimec, 02.08.2003.
CBSS collection 437	R. Ozimec, 31.08.1996.
CBSS collection 438	J. Bedek, 12.07.2005.
CBSS collection 439	G. Polić, 18.05.1997.
CBSS collection 440	J. Bedek, 09.12.2000.
CBSS collection 441	M. Lukić, 31.01.2008.
CBSS collection 442	J. Bedek, 07.09.2009.
CBSS collection 443	R. Ozimec, 08.09.2009.; A. Komerički, 09.09.2009
CBSS collection 444	J. Bedek, R. Ozimec, 08.09.2009.; M. Lukić, 12.09.2009.
CBSS collection 445	J. Bedek, 08.09.2009.
CBSS collection 446	A. Kirin, 17.05.2009.; M. Lukić, 11.09.2009.
CBSS collection 447	M. Lukić, 09.09.2009.
CBSS collection 448	R. Ozimec, 17.06.2006.
CBSS collection 449	H. Cvitanović, 29.11.2003.; J. Bedek, M. Pavlek, 01.02.2004.
CBSS collection 450	R. Ozimec, 28.01.1995.
CBSS collection 451	J. Bedek, 01.02.2008.; H. Bilandžija, B. Jalžić, 18.06.2008.
CBSS collection 452	R. Ozimec, 17.06.2008.
CBSS collection 453	H. Cvitanović, 14.04.1997., 21.06.1997.; J. Bedek, 31.01.2004.
CBSS collection 454	M. Lukić, 26.03.2008.
CBSS collection 455	H. Cvitanović, 26.03.2008., 31.10.2008.
CBSS collection 456	H. Cvitanović, 26.03.2008.; J. Bedek, 31.10.2008.
CBSS collection 457	M. Lukić, R. Ozimec, 02.11.2008.
CBSS collection 458	J. Bedek, 30.03.2008.

CBSS collection 459	J. Bedek, D. Župan, 01.11.2008.
CBSS collection 460	R. Ozimec, 07.10.2009.
CBSS collection 461	R. Ozimec, 25.06.2009.
CBSS collection 462	M. Lukić, 03.11.2008.
CBSS collection 463	J. Bedek, 26.03.2008.
CBSS collection 464	M. Lukić, 31.10.2008.
CBSS collection 465	J. Bedek, R. Ozimec, 31.10.2008.
CBSS collection 466	J. Bedek, 31.10.2008.; J. Bedek, M. Lukić, 04.11.2008.
CBSS collection 467	R. Ozimec, 02.11.2008.
CBSS collection 468	J. Bedek, 30.03.2008., 02.11.2008.
CBSS collection 469	J. Bedek, H. Cvitanović, M. Lukić, 28.03.2008.
CBSS collection 470	K. Miculinić, P. Rade, 31.10.2008.
CBSS collection 471	J. Bedek, K. Miculinić, D. Župan, 01.11.2008.
CBSS collection 472	H. Cvitanović, 27.03.2008.
CBSS collection 473	A. Komerički, 06.10.2009.
CBSS collection 474	H. Cvitanović, 21.06.2009.
CBSS collection 475	K. Miculinić, 29.03.2008.
CBSS collection 476	R. Ozimec, 29.03.2008.; M. Lukić, R. Ozimec, 01.11.2008.; R. Ozimec, 22.06.2009.
CBSS collection 477	J. Bedek, H. Cvitanović, M. Lukić, 31.03.2008.
CBSS collection 478	J. Bedek, 01.11.2008.
CBSS collection 479	M. Pavlek, 09.04.2007.
CBSS collection 480	M. Pavlek, 11.04.2007.
CBSS collection 481	P. Bregović, M. Lukić, 03.05.2008.
CBSS collection 482	M. Lukić, 03.05.2008.
CBSS collection 483	J. Bedek, 03.05.2008.
CBSS collection 484	J. Bedek, H. Bilandžija, M. Pavlek, 08.04.2007.; M. Lukić, 28.04.2008.
CBSS collection 485	H. Bilandžija, 28.04.2008.
CBSS collection 486	J. Bedek, I. Boršić, T. Dražina, 19.06.2001.; M. Pavlek, 07.04.2007.; J. Bedek, 12.04.2007.
CBSS collection 487	J. Bedek, 10.04.2007., 14.04.2007.; H. Bilandžija, 30.05.2007.; J. Bedek, H. Bilandžija, P. Bregović, M. Lukić, 02.05.2008.
CBSS collection 488	H. Bilandžija, 30.04.2008.
CBSS collection 489	R. Ozimec, 07.-08.10.2009.
CBSS collection 490	R. Ozimec, 07.10.2009.
CBSS collection 491	J. Bedek, H. Cvitanović, 27.03.2008.
CBSS collection 492	R. Ozimec, 31.03.2008.
CBSS collection 493	R. Ozimec, 27.08.1998.
CBSS collection 494	J. Bedek, 21.03.2004.
CBSS collection 495	R. Ozimec, 25.05.2004.; J. Bedek, 02.04.2006.; M. Lukić, 22.06.2007.; J. Bedek, M. Lukić, 19.08.2007.
CBSS collection 496	R. Ozimec, 13.11.2010.
CBSS collection 497	R. Ozimec, 20.08.2005.
CBSS collection 498	J. Bedek, H. Bilandžija, 24.04.2004.
CBSS collection 499	R. Ozimec, 27.04.2004.
CBSS collection 500	R. Ozimec, M. Pavlek, 26.04.2004.; H. Bilandžija, M. Pavlek, 30.09.2007.
CBSS collection 501	H. Cvitanović, M. Lukić, 03.04.2006.; J. Bedek, H. Cvitanović, 27.10.2006.

CBSS collection 502	S. Gottstein, R. Ozimec, 03.06.2000.
CBSS collection 503	M. Pavlek, 11.04.2007.; J. Bedek, H. Bilandžija, 26.04.2008.
CBSS collection 504	J. Bedek, 10.04.2007.; H. Bilandžija, 30.05.2007.; J. Bedek, H. Bilandžija, P. Bregović, 02.05.2008.
CBSS collection 505	J. Bedek, R. Ozimec, 06.01.2005.; J. Bedek, A. Kirin, A. Komerički, P. Kovač Konrad, 04.05.2010.; A. Kirin, 08.10.2010.
CBSS collection 506	A. Kirin, 04.05.2010.
CBSS collection 507	A. Kirin, 10.10.2010.
CBSS collection 508	A. Kirin, 09.10.2010.
CBSS collection 509	H. Bilandžija, R. Ozimec, M. Pavlek, 07.01.2005.; J. Bedek, M. Lukić, 05.05.2010.; A. Komerički, K. Miculinić, 06.10.2010.
CBSS collection 510	M. Lukić, 03.05.2010.
CBSS collection 511	J. Bedek, 26.03.2008.
CBSS collection 512	M. Lukić, 02.11.2008.
CBSS collection 513	B. Jalžić, S. Gottstein Matočec, R. Ozimec, 21.06.2001.; J. Bedek, K. Miculinić, D. Župan, 01.11.2008.
CBSS collection 514	M. Pavlek, 26.04.2004.
CBSS collection 515	R. Ozimec, 04.11.2008.; A. Komerički, K. Miculinić, 23.06.2009.
CBSS collection 516	H. Cvitanović, 07.10.2004.
CBSS collection 517	R. Ozimec, 28.06.2003., 31.10.2003., 27.05.2004.; J. Bedek, M. Lukić, 22.08.2005.
CBSS collection 518	M. Lukić, 22.01.2011.
CBSS collection 519	J. Bedek, 06.10.2005.
CBSS collection 520	A. Kirin, K. Miculinić, 02.06.2010.
CBSS collection 521	M. Pavlek, 04.11.2006.; J. Bedek, 17.11.2007., 05.04.2008.
CBSS collection 522	J. Bedek, 24.4.2009.
CBSS collection 523	P. Bregović, M. Pavlek, 17.10.2009.
CBSS collection 524	D. Hmura, 18.10.2009.
CBSS collection 525	H. Cvitanović, A. Komerički, M. Lukić, 29.04.2009.
CBSS collection 526	J. Bedek, A. Kirin, P. Kovač Konrad, M. Lukić, 08.05.2010.
CBSS collection 527	R. Ozimec, 27.08.2005.; J. Bedek, M. Pavlek, 27.10.2006.
CBSS collection 528	R. Ozimec, 28.04.2002.
CBSS collection 529	H. Cvitanović, M. Pavlek, 19.11.2005.; R. Ozimec, 04.04.2006.
CBSS collection 530	R. Ozimec, 19.11.2005.
CBSS collection 531	R. Ozimec, 25.05.2004.
CBSS collection 532	J. Bedek, 27.10.2003.
CBSS collection 533	M. Franičević, 23.05.2004.
CBSS collection 534	R. Ozimec, 08.11.2009.
CBSS collection 535	H. Bilandžija, I. Jaklinović, M. Lukić, 28.10.2003.; H. Bilandžija, R. Ozimec, M. Pavlek, 24.03.2004.; M. Lukić, 01.04.2006.; M. Pavlek, 26.10.2006.
CBSS collection 536	R. Ozimec, 28.10.2003.; J. Bedek, 26.10.2006.
CBSS collection 537	H. Bilandžija, I. Jaklinović, M. Lukić, R. Ozimec, 29.10.2003.; R. Ozimec, 20.05.2010.
CBSS collection 538	R. Ozimec, 16.05.2010.
CBSS collection 539	R. Ozimec, 20.06.2003.
CBSS collection 540	R. Ozimec, 21.06.2003.
CBSS collection 541	J. Bedek, 22.03.2003.

CBSS collection 542	R. Ozimec, 22.08.1997., 26.08.1998.; R. Ozimec, G. Nonveiller, 07.08.2000.; R. Ozimec, 26.04.2002., 19.06.2002.; M. Lukić, 27.03.2003.; R. Ozimec, 27.07.2004., 08.09.2005., 06.04.2006., 28.07.2006., 04.11.2009.
CBSS collection 543	J. Bedek, 22.10.2007.
CBSS collection 544	H. Cvitanović, 26.04.2004.
CBSS collection 545	M. Pavlek, 01.10.2007.
CBSS collection 546	D. Hmura, I. Jaklinović, R. Ozimec, 02.10.2007.; L. Đud, 03.03.2008.; L. Janković-Rapan, M. Manger, 04.03.2008.
CBSS collection 547	M. Lukić, 01.10.2007.
CBSS collection 548	P. Bregović, 05.03.2008.
CBSS collection 549	T. Čuković, 05.03.2008.
CBSS collection 550	M. Lukić, 27.09.2007.
CBSS collection 551	R. Ozimec, 03.03.2008.
CBSS collection 552	P. Bregović, 29.09.2007.; L. Đud, D. Hmura, 03.03.2008.; L. Đud, R. Ozimec, 04.03.2008.
CBSS collection 553	D. Hmura, M. Lukić, 27.09.2007.; M. Pavlek, 03.10.2007.; L. Đud, A. Čukušić, 04.03.2008.
CBSS collection 554	R. Ozimec, M. Pavlek, 26.04.2004.
CBSS collection 555	J. Bedek, 27.10.2006.
CBSS collection 556	R. Ozimec, 26.08.2005.
CBSS collection 557	R. Ozimec, G. Nonveiller, 07.08.2000.; R. Ozimec, 13.07.2003., 08.09.2005., 04.11.2009.
CBSS collection 558	B. Jalžić, 09.04.2007.
CBSS collection 559	J. Bedek, H. Bilandžija, M. Pavlek, 09.04.2007.; J. Bedek, M. Pavlek, 27.04.2008.
CBSS collection 560	H. Cvitanović, M. Pavlek, 11.04.2007.; J. Bedek, M. Lukić, M. Pavlek, 26.04.2008.
CBSS collection 561	M. Pavlek, 09.04.2007.
CBSS collection 562	J. Bedek, P. Bregović, 01.05.2008.
CBSS collection 563	J. Bedek, I. Boršić, T. Dražina, 20.06.2001.
CBSS collection 564	P. Rade, 14.04.2007.
CBSS collection 565	M. Pavlek, 07.04.2007.; H. Bilandžija, 12.04.2007.
CBSS collection 566	J. Bedek, 30.04.2008.
CBSS collection 567	J. Bedek, 14.04.2007.; J. Bedek, H. Bilandžija, P. Bregović, M. Pavlek, 02.05.2008.
CBSS collection 568	H. Bilandžija, 30.04.2008.
Croatian Natural History Museum (CNHM) collection	
CNHM collection 1	B. Jalžić, 17.06.2008.
CNHM collection 2	B. Jalžić, 15.06.2008.
CNHM collection 3	J. Bedek, R. Ozimec, 28.06.2004.
CNHM collection 4	B. Jalžić, 14.06.1996.
CNHM collection 5	B. Jalžić, 29.04.2008.
CNHM collection 6	B. Jalžić, 09.04.2007.
CNHM collection 7	B. Jalžić, 16.09.2006.
CNHM collection 8	B. Jalžić, 06.06.2006.
CNHM collection 9	B. Jalžić, 27.06.2002.
CNHM collection 10	B. Jalžić, 28.06.2002.
CNHM collection 11	B. Jalžić, 25.05.2004.

CNHM collection 12	B. Jalžić, 24.06.2002.
CNHM collection 13	B. Jalžić, 25.05.2004.
CNHM collection 14	B. Jalžić, 26.03.2003.
CNHM collection 15	B. Jalžić, 26.03.2003.
CNHM collection 16	B. Jalžić, 26.06.2002.
CNHM collection 17	B. Jalžić, 15.09.2005.
CNHM collection 18	M. Pavlek, 13.08.2005.; H. Bilandžija, 14.08.2009.
CNHM collection 19	H. Bilandžija, F. Kljaković Gašpić, 15.08.2005.
CNHM collection 20	B. Jalžić, 18.08.2004.
CNHM collection 21	H. Bilandžija, F. Kljaković Gašpić, M. Pavlek, 14.08.2005.
CNHM collection 22	H. Bilandžija, 01.08.2009.
CNHM collection 23	B. Jalžić, 06.03.2001.
CNHM collection 24	H. Bilandžija, B. Jalžić, F. Kljaković Gašpić, M. Pavlek, 17.08.2005.
CNHM collection 25	M. Pavlek, 17.08.2005.
CNHM collection 26	B. Jalžić, 29.06.2002.
CNHM collection 27	B. Jalžić, 22.05.2004.
CNHM collection 28	V. Jalžić, B. Jalžić, 15.10.2002.
CNHM collection 29	B. Jalžić, 20.06.2003.
CNHM collection 30	B. Jalžić, 19.06.2003.
CNHM collection 31	B. Jalžić, 27.04.2002.
CNHM collection 32	B. Jalžić, 21.03.2004.
CNHM collection 33	S. Vujčić – Karlo, 12.02.1998.
CNHM collection 34	B. Jalžić, 17.07.1997.
CNHM collection 35	B. Jalžić, 16.07.1997.; S. Vujčić – Karlo, 08.02.1998.
CNHM collection 36	B. Jalžić, 19.07.1997.
CNHM collection 37	B. Jalžić, 21.08.1997.
CNHM collection 38	B. Jalžić, 16.10.2007.
CNHM collection 39	B. Jalžić, 04.08.2004.
CNHM collection 40	B. Jalžić, 13.08.2001.
CNHM collection 41	B. Jalžić, 07.11.2006.
CNHM collection 42	B. Jalžić, 24.06.2009.
CNHM collection 43	B. Jalžić, 09.07.2007.
CNHM collection 44	B. Jalžić, 21.07.2007.
CNHM collection 45	J. Bedek, R. Ozimec, 02.07.2004.
CNHM collection 46	A. Jurinac, 20.08.1883.
CNHM collection 47	B. Jalžić, 07.06.2003.
CNHM collection 48	B. Jalžić, 01.12.2002.
CNHM collection 49	A. Jurinac, 20.08.1883.
CNHM collection 50	A. Langhoffer, Šnap, 16.07.1902.
CNHM collection 51	B. Jalžić, 05.11.2006.
CNHM collection 52	B. Jalžić, 26.06.2009.
CNHM collection 53	B. Jalžić, 26.05.2001.
CNHM collection 54	J. Bedek, R. Ozimec, 29.06.2004.
CNHM collection 55	A. Langoffer, 14.08.1902.
CNHM collection 56	D. Hirc; J. Notenboom, 03.07.2004.
CNHM collection 57	J. Bedek, 30.06.2004., 10.07.2004.

CNHM collection 58	H. Cvitanović, S. Gottstein Matočec, R. Ozimec, 03.07.2004.
CNHM collection 59	A. Jurinac, 25.08.1883.; J. Bedek, B. Jalžić, R. Ozimec, 01.07.2004.
CNHM collection 60	A. Jurinac, 20.08.1883.
CNHM collection 61	B. Jalžić, 12.09.1999.
CNHM collection 62	J. Bedek, H. Cvitanović, 27.08.2004.
CNHM collection 63	A. Jurinac, 20.08.1883.
CNHM collection 64	B. Jalžić, 10.02.1998.
CNHM collection 65	B. Jalžić, 21.03.2004.
CNHM collection 66	B. Jalžić, 09.02.1988.
CNHM collection 67	B. Jalžić, 09.04.2007.
CNHM collection 68	B. Jalžić, 27.04.2008.
Museo di Storia Naturale dell'Università di Firenze (MZUF) collection	
MZUF collection 1	B. Jalžić, 13.02.1998.
MZUF collection 2	M. Pavlek, 07.06.2006.
MZUF collection 3	M. Pavlek, 23.05.2004.
MZUF collection 4	R. Ozimec, 23.03.2004.
MZUF collection 5	J. Bedek, 21.03.2004.
MZUF collection 6	A. Komerički, 24.04.2009.
MZUF collection 7	M. Lukić, 01.05.2010.
MZUF collection 8	J. Bedek, H. Bilandžija, B. Jalžić, 22.06.2005.
MZUF collection 9	A. Kirin, 12.05.2009.
MZUF collection 10	H. Cvitanović, R. Ozimec, P. Rade, 19.03.2009.; J. Bedek, 06.06.2009.
MZUF collection 11	H. Bilandžija, F. Kljaković Gašpić, B. Jalžić, 13.04.2008.
MZUF collection 12	H. Bilandžija, 11.12.2004.
MZUF collection 13	J. Bedek, M. Lukić, 23.04.2009.
MZUF collection 14	J. Bedek, 27.06.2009.
MZUF collection 15	J. Bedek, 15.08.2009.; H. Bilandžija, 05.09.2010.
MZUF collection 16	M. Lukić, 31.01.2008.
MZUF collection 17	R. Baković, 20.06.2009.
MZUF collection 18	J. Bedek, 05.09.2009.
MZUF collection 19	R. Ozimec, 25.03.2003.; M. Lukić, 19.08.2007.
MZUF collection 20	M. Lukić, 26.04.2008.
MZUF collection 21	A. Komerički, 04.05.2010.
MZUF collection 22	K. Miculinić, 02.06.2010.
MZUF collection 23	R. Ozimec, 20.10.2005.
MZUF collection 24	M. Lukić, 12.02.2005.
MZUF collection 25	H. Cvitanović, 04.03.2008.
MZUF collection 26	H. Bilandžija, B. Jalžić, 26.05.2007.
Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad collection	
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Tonći Rađa collection	
T. Rađa collection 1	T. Rađa, S. Šore, 25.08.2001.

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