

THE TERRESTRIAL ISOPODS (ISOPODA: ONISCIDEA) OF GREECE

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Contents

1. Introduction.....	5
2. List of species	6
2.1. Family Ligiidae	6
2.2. Family Tylidae	8
2.3. Family Styloniscidae	8
2.4. Family Trichoniscidae.....	10
2.5. Family Stenoniscidae	16
2.6. Family Detonidae	16
2.7. Family Bathytropidae	16
2.8. Family Philosciidae	17
2.9. Family Halophilosciidae	19
2.10. Family Trachelipodidae.....	20
2.11. Family Agnaridae	23
2.12. Family Platyarthridae	25
2.13. Family Tendosphaeridae	26
2.14. Family Oniscidae.....	26
2.15. Family Porcellionidae	26
2.16. Family Cylisticidae	31
2.17. Family Armadillidiidae	32
2.18. Family Armadillidae	43
2.19. Family Scleropactidae	44
3. Conservation interest.....	46
4. Acknowledgements.....	46
5. Literature.....	46

The terrestrial isopods of Greece



Porcellionides pruinosus ▲



▲ *Hyloniscus beckeri*



Trachelipus aegaeus ▲



▲ *Armadillidium atticum*



▲ *Orthometopon phaleronense*



Porcellio laevis ▲



▲ *Porcellionides myrmecophilus*

1. Introduction

There are around 3700 species of terrestrial isopods, with a cosmopolitan distribution. The most species- rich area is the Mediterranean region. The scope of the present paper is to give a complete list of the terrestrial isopods living in Greece, with distribution data, based on published literature. A total of 238 species is known to occur in Greece and they belong to 19 families and 47 genera. Seven genera and 161 species are endemic.

The most speciose families (number of species in parenthesis) are Armadillidiidae (88), Trichoniscidae (38), Porcellionidae (26) and Trachelipodidae (20). The number of species per family is given in Table-.1. A list of the endemic genera and their distribution is given in Table-.2. A checklist of the terrestrial isopods of Greece was published by Schmalfuss (1979b). By then, 180 species were known. The present paper is largely based on the world catalog of terrestrial isopods, published by Schmalfuss (2003), the many contributions published by the same author on the Greek isopod fauna also after this date, and on the work published by the second author, mainly on the Aegean islands.

1. Armadillidiidae	88	11. Detonidae	3
2. Trichoniscidae	38	12. Armadillidae	2
3. Porcellionidae	26	13. Bathytropidae	2
4. Trachelipodidae	20	14. Scleropactidae	2
5. Philosciidae	13	15. Tendosphaeridae	2
6. Ligiidae	11	16. Cylisticidae	1
7. Agnaridae	9	17. Oniscidae	1
8. Styloniscidae	9	18. Stenoniscidae	1
9. Platyarthridae	5	19. Tylidae	1
10. Halophilosciidae	4	TOTAL	238

Table 1. Number of species/ family

1.1 Systematics

Isopoda are an order of Crustacea. Oniscidea (terrestrial isopods) are a presumably monophyletic order of Isopoda, that have adapted to terrestrial life. Five lineages have been recognized within Oniscidea: Ligiidae, Tylidae, Mesoniscidae, Synocheta and Crinocheta. The family Ligiidae (the most primitive Oniscidea according to most analyses) forms the sister group to all others (except maybe the family Tylidae). Members of the family Mesoniscidae are absent from Greece, while Synocheta and Crinocheta are considered sister taxa. The Synocheta are represented in Greece with two families, Trichoniscidae and Styloniscidae, with a total of 47 species. They are mainly small isopods, adapted to endogeous or cave habitats. The Crinocheta are represented in Greece with 15 families and include the vast majority of species. Species level taxonomy in many genera (mainly *Ligidium*, *Trichoniscus* and *Trachelipus*) is problematic and will be revised. Many isopod populations (especially at Peloponnisos and the Aegean islands) are

The terrestrial isopods of Greece

isolated, with high genetic divergence and undetected sibling species do occur, even syntopically.

1.2 Biology

Oniscidea have colonized all terrestrial environments, from deserts to mountain-tops. Many species are halophilous, inhabiting the littoral zone. They are usually the most widespread. Others are restricted to riparian habitats with permanent water flow (within the leaf litter or under stones). Some are well adapted to more dry conditions such as maquis, phrygana or anthropogenic habitats (olive cultivations, green houses, buildings). Several species are troglobitic (restricted to caves) and a few are myrmecophilous (living in ant nests).

2. List of species

Kingdom **Animalia**
Phylum **Arthropoda**
Subphylum **Crustacea**
Class **Malacostraca**
Subclass **Eumalacostraca**
Superorder **Peracarida**
Order **Isopoda**
Suborder **Oniscidea**

Family: **Ligiidae**
[2 genera/11 species]

Genus: ***Ligia*** Fabricius, 1798

Cosmopolitan genus, with c. 35 species. Halophilous.

1. ***Ligia italica*** Fabricius, 1798

All around Greece, at rocky sea-shores. Species of Mediterranean Sea.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

Genus: ***Ligidium*** Brandt, 1833

(Fig.1)

A hygrophilic genus, living in riparian habitats (banks of permanent streams and rivulets, inside the wet leaf-litter layer or in the bryophytes around springs and waterfalls).

2. ***Ligidium beieri*** Strouhal, 1928

{*L. epirense* Strouhal, 1954}

Endemic to Ipeiros, Kefalonia, Mt Pilio, Mt Chortiatis and N Peloponnisos.

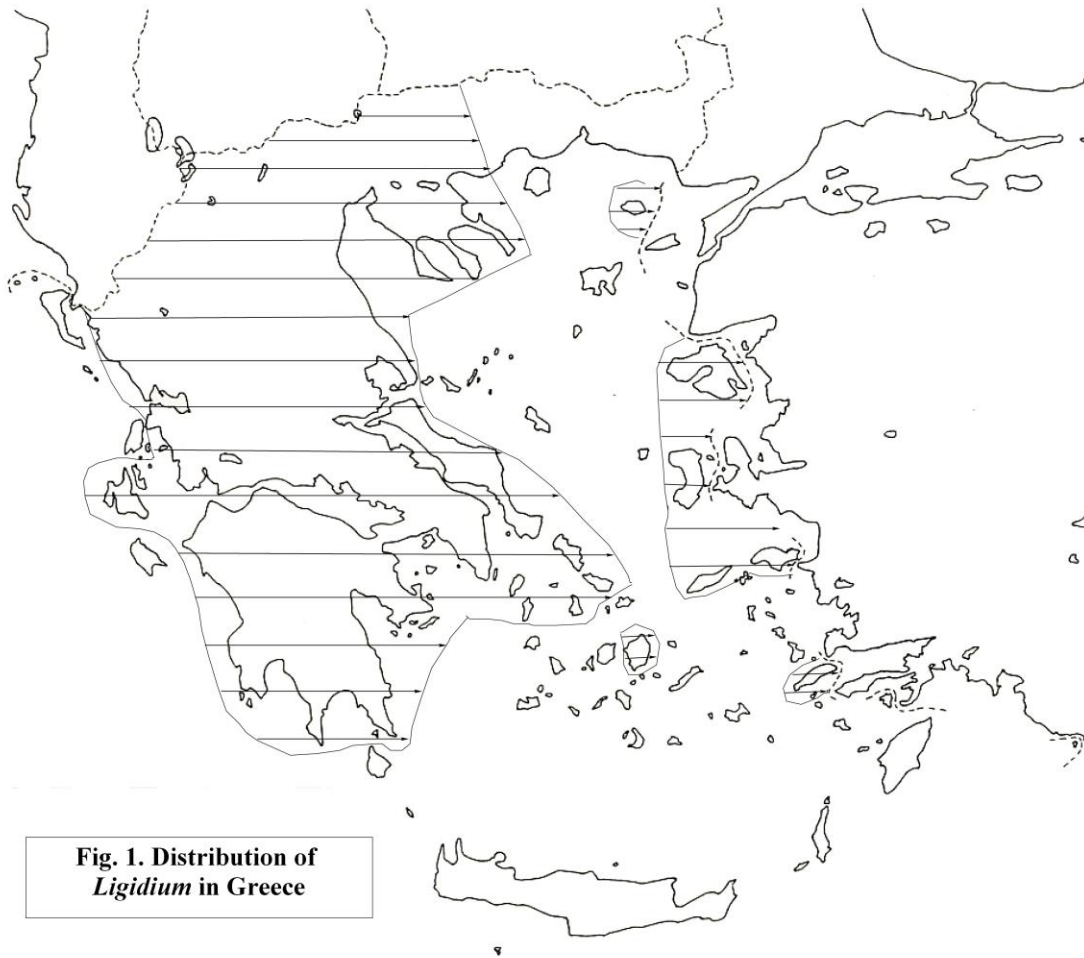
Literature: Schmalfuss 1979a, b, 2003, Klossa-Kilia *et al.* 2005, 2006, Ντόβα 2009.

3. *Ligidium cycladicum* Matsakis, 1978

{*L. malickyi* Schmalzfuss, 1979}

Endemic to NW Kiklades (Andros, Tinos, Kea, Kithnos and Siros). Related to *L. germanicum*.

Literature: Schmalzfuss 1979a, 2003, Sfenthourakis 1994, Klossa-Kilia *et al.* 2005, 2006, Ντόβα 2009.



4. *Ligidium euboicum* Matsakis, 1975

Endemic to Evvoia isl. Related to *L. germanicum*.

Literature: Schmalzfuss 1979a, b, 2003, Klossa-Kilia *et al.* 2005, 2006, Ντόβα 2009.

5. *Ligidium germanicum* Verhoeff, 1901

Has been reported from Mt Taigetos and Mt Olimpos, but its presence is doubtful. Possibly a mis-identification of a yet undescribed *Ligidium* n. sp. present in continental Greece. A species common in C and E Europe.

Literature: Schmalzfuss 1979a, b, 2003, Klossa-Kilia *et al.* 2005, 2006, Ντόβα 2009.

The terrestrial isopods of Greece

6. *Ligidium ghigii* Arcangeli, 1928

Endemic to Chios, Samos, Ikaria and Kos islands. Related to Anatolian species.

Literature: Schmalfuss 1979a, b, 2003, Sfenthourakis 1994, Klossa-Kilia *et al.* 2005, 2006, Ντόβα 2009.

7. *Ligidium mylonasi* Sfenthourakis, 1992

Endemic to Athos peninsula. Close to *L. germanicum*.

Literature: Sfenthourakis 1992, Schmalfuss 2003, Klossa-Kilia *et al.* 2005, Ντόβα 2009.

8. *Ligidium weneri* Strouhal, 1937

Endemic to Lesvos isl. Related to Anatolian species.

Literature: Schmalfuss 1979a, b, 2003, Sfenthourakis 1992, Klossa-Kilia *et al.* 2005, 2006, Ντόβα 2009.

9. *Ligidium* sp.

Endemic to Peloponnisos, close to *L. cycladicum*.

Literature: Klossa-Kilia *et al.* 2005, 2006.

10. *Ligidium* sp.

Endemic to Naxos isl. Related to *L. ghigii*.

Literature: Klossa-Kilia *et al.* 2005, 2006.

11. *Ligidium* sp.

Endemic to Samothraki isl. Related to *L. ghigii*.

Literature: Klossa-Kilia *et al.* 2005, 2006.

Family: **Tylidae**
[1 genus/1 species]

Genus: **Tylos** Audouin, 1826

12. *Tylos ponticus* Grebnicki, 1874

{*T. latreillei* Audouin, 1826}

All around Greece, at sea-shores with small pebbles or at sandy shores with hard debris. Species of the Mediterranean Sea and the eastern central Atlantic coasts. Halophilous. Able to conglobate.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

Family: **Styloniscidae**
[1 genus/9 species]

Genus: **Cordioniscus** Graeve, 1914
(Fig.2)

Genus with 13 species, distributed in the Mediterranean Sea, most of them endemic to

Greece. Troglotic.

13. *Cordioniscus andreevi* Schmalfuss & Erhard, 1998

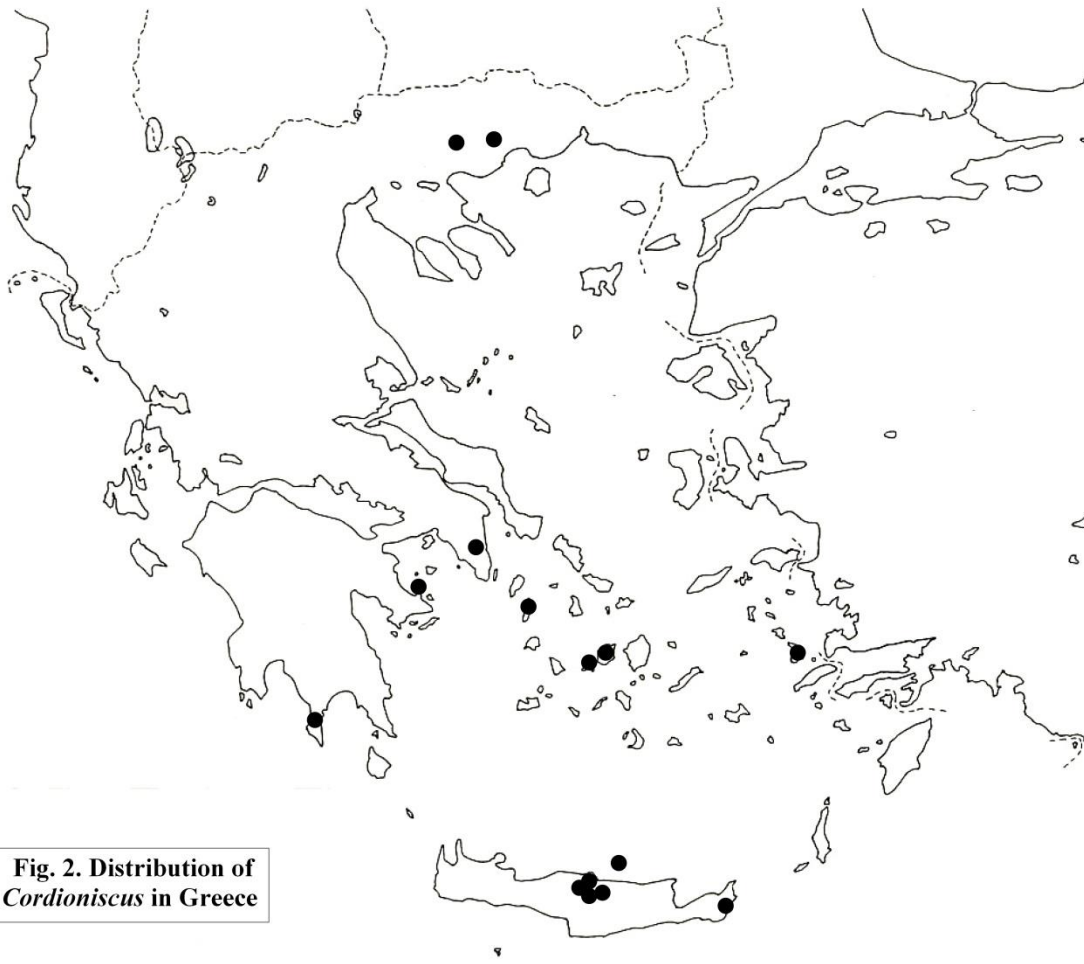
Endemic to Glifada cave, Mani (near Areopolis).

Literature: Schmalfuss & Erhard 1998, Schmalfuss 2003.

14. *Cordioniscus antiparosi* Andreev, 1985

Endemic to caves of Paros and Antiparos islands.

Literature: Schmalfuss & Erhard 1998, Schmalfuss 2003.



15. *Cordioniscus beroni* Vandel, 1968

Endemic to six caves of C and E Kriti and Dia isl.

Literature: Schmalfuss 1979b, 2003, Schmalfuss & Erhard 1998, Schmalfuss *et al.* 2004.

16. *Cordioniscus graecus* Vandel, 1959

Endemic to Keratea cave, Attiki.

Literature: Schmalfuss 1979b 2003, Schmalfuss & Erhard 1998.

The terrestrial isopods of Greece

17. *Cordioniscus graevei* Schmalfuss & Erhard, 1998

Endemic to Alistrati cave, NE Greece.

Literature: Schmalfuss & Erhard 1998, Schmalfuss 2003.

18. *Cordioniscus kalimnosi* Andreev, 1997

Endemic to Kalimnos isl.

Literature: Andreev 1997, Schmalfuss 2003.

19. *Cordioniscus kithnosi* Andreev, 1986

Endemic to Katafigi cave, near Driopis, Kithnos isl.

Literature: Schmalfuss & Erhard 1998, Schmalfuss 2003.

20. *Cordioniscus paragamiani* Schmalfuss & Erhard, 1998

Endemic to Peristeri cave, Methana.

Literature: Schmalfuss & Erhard, 1998, Schmalfuss 2003.

21. *Cordioniscus vandeli* Dalens, 1970

Endemic to Agia Eleni cave, Kavala.

Literature: Schmalfuss 1979b, 2003, Schmalfuss & Erhard 1998.

Family: **Trichoniscidae**

[11 genera/38 species]

Genus: *Acteoniscus* Vandel, 1955

(Fig. 13)

Monotypic genus. Troglobitic.

22. *Acteoniscus petrochilosi* Vandel, 1955

Endemic to Keratea cave, Attiki.

Literature: Schmalfuss 1979b, 2003.

Genus: *Alistratia* Andreev, 2004

(Fig. 13)

Monotypic genus. Troglobitic.

23. *Alistratia beroni* Andreev, 2004

Endemic to Alistrati cave, NE Greece.

Literature: Andreev 2004.

Genus: *Alpioniscus* Racovitza, 1908

(incl. *Illyrionethes* Verhoeff)

Genus endemic to S Europe. Troglobitic, colourless and blind.

24. *Alpioniscus epigani* Vandel, 1959

Endemic to Mt Parnassos, near Delfi.

Literature: Schmalfuss 1979b, 2003.

25. *Alpioniscus giurensis* Schmalfuss, 1981

Endemic to Gioura isl., N. Sporades.

Literature: Schmalfuss 1981, 2003.

26. *Alpioniscus henroti* Vandel, 1964

Endemic to Peloponnisos, 40 km N of Tripolis (near Kandila).

Literature: Schmalfuss 1979b, 2003.

27. *Alpioniscus matsakisi* Andreev, 1984

Endemic to Evvoia isl.

Literature: Schmalfuss 2003.

28. *Alpioniscus thracicus* Andreev, 1986

Endemic to Rodopi, NE Greece.

Literature: Schmalfuss 2003.

29. *Alpioniscus vej dovskiy* (Frankenberger, 1939)

{*Hellenonethes* v. Frankenberger, 1939}

NW Greece and FYROM.

Literature: Schmalfuss 1979b, 2003.

Genus: *Buddelundiella* Silvestri, 1897

(Fig.3)

A genus of small isopods, differentiated mainly in NW Italy.

30. *Buddelundiella sporadica* Schmalfuss, 1981

Endemic to Gioura isl., N. Sporades. Able to conglobate.

Literature: Schmalfuss 1981, 2003.

Genus: *Graeconiscus* Strouhal, 1940

{incl. *Cretoniscellus* Vandel, 1958

incl. *Minoscellus* Vandel, 1958}

(Fig.3)

Mainly troglobitic animals, with big tubercles covering the body.

31. *Graeconiscus caecus* (Vandel, 1958)

{*Minoscellus c.* Vandel, 1958}

Endemic to two caves of C Kriti. Blind. Colour white, without any pigmentation.

Literature: Schmalfuss 1979b, 2003, Schmalfuss *et al.* 2004.

32. *Graeconiscus dryopeorum* (Vandel, 1964)

{*Cretoniscellus d.* Vandel, 1964}

Endemic to Evvoia isl.

Literature: Schmalfuss 2003.

The terrestrial isopods of Greece

33. *Graeconiscus guanophilus* Schmalzfuss, Paragamian & Sfenthourakis, 2004
Endemic to a cave at Zoniana, Kriti. Blind, without any pigmentation.
Literature: Schmalzfuss *et al.* 2004.
34. *Graeconiscus kournasensis* Schmalzfuss, Paragamian & Sfenthourakis, 2004
Endemic to two caves of C Kriti. Blind, without any pigmentation.
Literature: Schmalzfuss *et al.* 2004.
35. *Graeconiscus liebegotti* Schmalzfuss, 1981
Endemic to a cave of Gioura isl., N. Sporades.
Literature: Schmalzfuss 1981, 2003.
36. *Graeconiscus paxi* Strouhal, 1961
Endemic to cave Kassiopi, Kerkira isl.
Literature: Schmalzfuss 1979b, 2003.
37. *Graeconiscus strinatti* (Vandel, 1955)
{*Haplophthalmus s.* Vandel 1955, *Cretoniscellus strinatii* (Vandel, 1955)}
Endemic to Attiki (Penteli and Imittos mountains), Andros, Tinos and Evvoia islands.
Troglotic but also endogean, under rocks by running water.
Literature: Schmalzfuss 1979b, 2003, Sfenthourakis 1994.
38. *Graeconiscus strouhali* (Vandel, 1958)
{*Cretoniscellus s.* Vandel, 1958}
Endemic to two caves of E Kriti.
Literature: Schmalzfuss 1979b, 2003, Schmalzfuss *et al.* 2004.
39. *Graeconiscus thermophilus* (Çağlar, 1948)
{*Haplophthalmus th.* Çağlar 1948, *Calconiscellus aegaeus* Schmalzfuss 1972, *Cretoniscellus aegaeus* (Schmalzfuss, 1972)}
Kithnos, Milos, Naxos, Samos, Kos, Kalimnos, E Kriti and Karpathos islands. Also at W. Turkey. Endogean, under rocks buried deep in the mud at river banks.
Literature: Schmalzfuss 1979b, 2003, Sfenthourakis 1994, Schmalzfuss *et al.* 2004.
40. *Graeconiscus tricornis* (Strouhal, 1936)
{*Cyphoniscellus t.* Strouhal, 1936}
Endemic to Kerkira isl.
Literature: Schmalzfuss 1979b, 2003.
41. *Graeconiscus xerovunensis* (Strouhal, 1954)
{*Epironiscellus x.* Strouhal, 1940}
Endemic to Ipeiros (Platanusa).
Literature: Schmalzfuss 1979b, 2003.

Genus: *Haplophthalmus* Schöbl, 1860

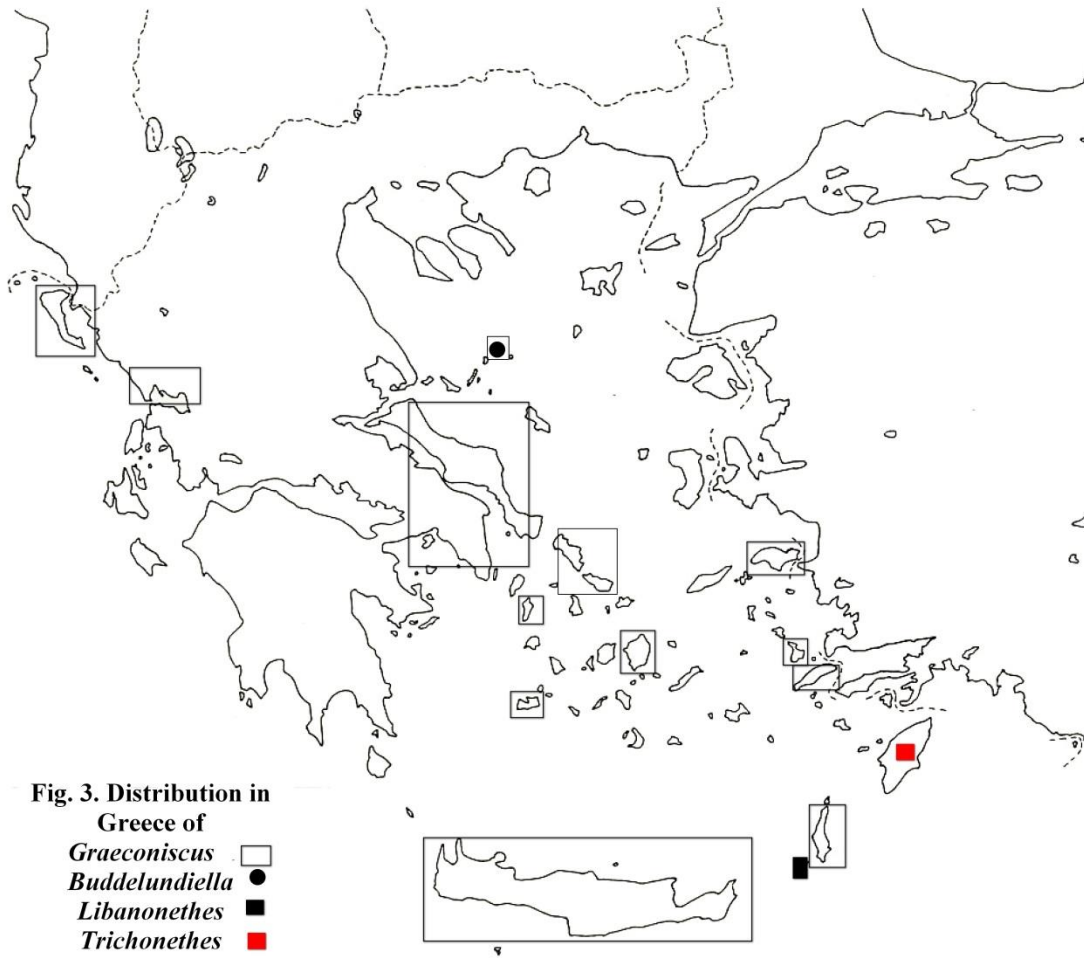
42. *Haplophthalmus danicus* Budde-Lund, 1880

{*H. epiroticus*, *H. graecus* Verhoeff, 1908}

Mainland Greece and E Aegean islands. European species.

Endogean, under rocks buried in the mud at river banks.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994.



Genus: *Hyloniscus* Verhoeff, 1908

43. *Hyloniscus beckeri* Herold, 1939

{*H. beieri* Strouhal 1942, *H. parnesius* Verhoeff 1939}

W & S Greece, Albania and FYROM.

Literature: Schmalfuss 1979b, 2003.

44. *Hyloniscus macedonicus* Verhoeff, 1933

NW Greece and FYROM.

Literature: Schmalfuss 1979b, 2003.

The terrestrial isopods of Greece

45. *Hyloniscus marani* Frankenberger, 1940

Endemic to NW Greece.

Literature: Schmalfuss 1979b, 2003.

Genus: *Libanonethes* Vandel, 1955

(Fig.3)

Mediterranean genus with two species.

46. *Libanonethes probosciferus* Vandel, 1955

Kasos isl. Also the Lebanon.

Literature: Schmalfuss 2003.

Genus: *Monocyphoniscus* Strouhal, 1939

(incl. *Kosswigius* Verhoeff, 1941)

A genus of the eastern and southern Balkan peninsula, with 3 species.

47. *Monocyphoniscus bulgaricus* Strouhal, 1939

{*Kosswigius caniensis* Vandel 1958, *M. caniensis* (Vandel, 1968)}

NE Greece, S Peloponnisos (Mt. Taigetos), Andros, Antikithira, Lesvos and Kriti. Also SE Bulgaria and NW Turkey. Without pigmentation. Eyes with one ommatidium. Body covered with numerous small tubercles. Troglobitic but also at riparian habitats (in wet leaf litter and at the banks of streams).

Literature: Schmalfuss 1979b, 2003, 2005b, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

Genus: *Trichonethes* Strouhal, 1953

(Fig.3)

Monotypic genus.

48. *Trichonethes kosswigi* Strouhal, 1953

Rodos isl. Also SW Turkey.

Literature: Schmalfuss 2003.

Genus: *Trichoniscus* Brandt, 1833

A large genus differentiated mainly in Europe. Small sized, smooth, with a whitish, yellowish or reddish coloration, usually in very humid sites and/or caves.

49. *Trichoniscus beschkovi* Andreev, 1986

Endemic to Petralona cave, NE Greece.

Literature: Schmalfuss 2003.

50. *Trichoniscus cavernicola* Vandel, 1958

{*T. intermedius* Vandel, 1958}

Endemic to caves at C and E Kriti, Naxos, Irakleia and Tilos islands. Blind. Related to *T. lindbergi*.

Literature: Schmalfluss 1979b, 2003, Schmalfluss *et al.* 2004.

51. *Trichoniscus chasmatophilus* Strouhal, 1936

Endemic to Lefkada isl.

Literature: Schmalfluss 1979b, 2003.

52. *Trichoniscus corcyraeus* Verhoeff, 1901

Endemic to Kerkira isl.

Literature: Schmalfluss 1979b, 2003.

53. *Trichoniscus halophilus* Vandel, 1951

Kefalonia and Zakynthos islands. A species of W and C Mediterranean.

Literature: Schmalfluss 1979, 2003.

54. *Trichoniscus lindbergi* Vandel, 1958

{*T. euboensis* Vandel, 1964}

Endemic to many caves throughout Kriti isl., a cave at Evvoia isl. and a cave at Mt Parnassos, near Delphi. Recorded also in a riparian site at Tinos isl., in the wet leaf litter of *Nerium oleander*.

Literature: Schmalfluss 1979b, 2003, Sfenthourakis 1994, Schmalfluss *et al.* 2004.

55. *Trichoniscus oedipus* Sfenthourakis, 1995

Endemic to Evvoia, Andros, Mikonos, Sifnos, Serifos, Astipalaia, Samos, Ikaria and Levitha islands. Intense reddish coloration. At the banks of streams in the litter layer of hygrophilic plants, sometimes in wet leaf litter of maquis.

Literature: Sfenthourakis 1994, 1995, Schmalfluss 2003.

56. *Trichoniscus provisorius* Racovitza, 1908

Recorded from Mt Olimpos and E Aegean islands. Literature records of *T. pusillus* Brandt from Greece, refer here. Wet leaf litter of *Quercus*. Mediterranean species, synanthropically introduced to many parts of the world.

Literature: Sfenthourakis 1994, Schmalfluss 2003.

57. *Trichoniscus pygmaeus* Sars, 1899

Hygrophilic, inside wet leaf litter and under stones buried in the mud. Close to *T. provisorius*.

Literature: Sfenthourakis 1994, Schmalfluss 2003.

58. *Trichoniscus rhodiensis* Arcangeli, 1934

Hygrophilic, inside wet leaf litter and under stones buried in the mud. Endemic to S Aegean islands (Naxos, Serifos, Kos, Patmos, Kalimnos, Nisiros, Rodos and Karpathos).

Doubtfully distinct from the W and C. Mediterranean *T. fragilis* Racovitza, 1908.

Literature: Sfenthourakis 1994, Schmalfluss 2003, Schmalfluss *et al.* 2004.

59. *Trichoniscus rhodopiensis* Vandel, 1965

NE Greece, Thasos isl. Also S Bulgaria.

The terrestrial isopods of Greece

Literature: Schmalfuss 2003.

Family: **Stenoniscidae**
[1 genus/1 species]

Genus: *Stenoniscus* Aubert & Dollfus, 1890

A genus with small sized, halophilous species living in rocky shores.

60. *Stenoniscus pleonalis* Aubert & Dollfus, 1890.

N coasts of Mediterranean, east to the Aegean sea. Halophilus, at rocky and muddy shores.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994.

Family: **Detonidae**
[1 genera/ 3 species]

Genus: *Armadilloniscus* Uljanin, 1875

Halophilous species with reduced pigmentation and with tubercles on their dorsal part, living in rocky shores.

61. *Armadilloniscus aegaeus* Schmalfuss, 1981

Endemic to Kira Panagia (N Sporades) and Astipalaia islands. Halophilus, at rocky coasts, under stones.

Literature: Schmalfuss 1981, 2003, Sfenthourakis 1994.

62. *Armadilloniscus aestuarii* Verhoeff, 1930

Lesvos isl. A species of C Italy and Croatia.

Literature: Schmalfuss 2003.

63. *Armadilloniscus ellipticus* (Harger, 1878)

{*A. litoralis* Budde-Lund, 1885}

Mediterranean coasts, spread to many places around the world.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

Family: **Bathytropidae**
[1 genus/ 2 species]

Genus: *Bathytropa* Budde-Lund, 1885
(Fig.4)

64. *Bathytropa dollfusi* Strouhal, 1936

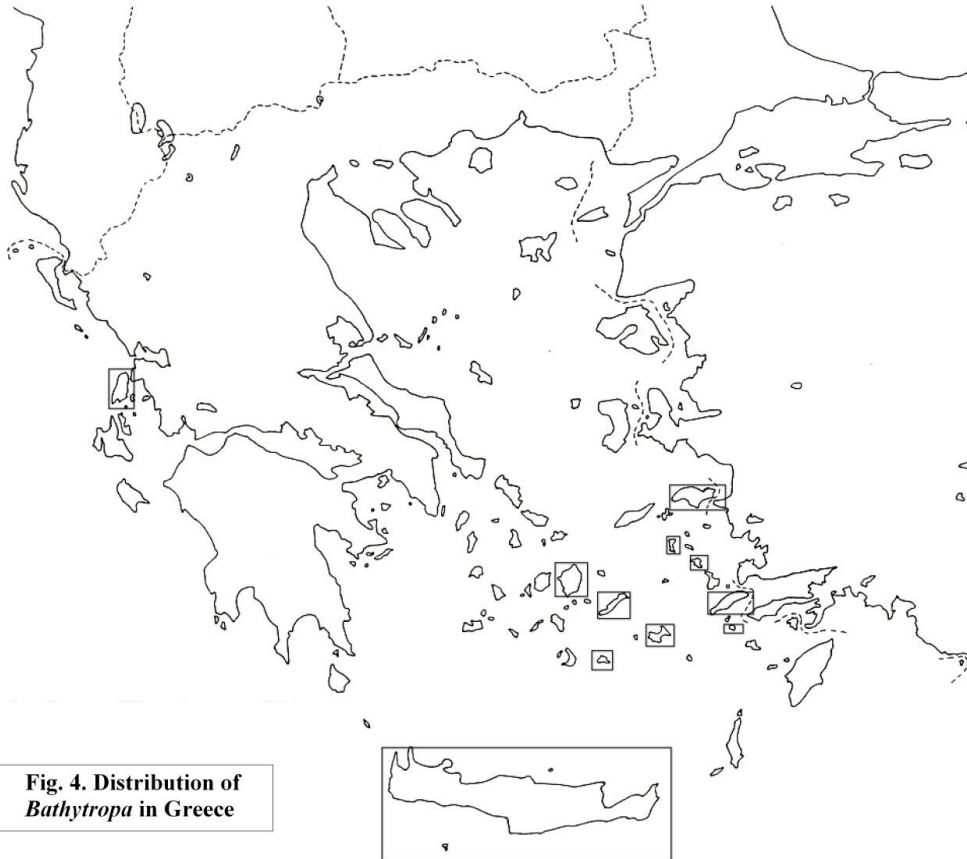
Lefkada isl. Also at E Sicily.

Literature: Schmalfuss 1979b, 2003.

65. *Bathytropa granulata* Aubert & Dollfus, 1890

Naxos, Amorgos, Anafi, Astipalaea, Samos, Kos, Nisiros, Leros, Patmos, Gavdos and Kriti islands. Coasts of N Mediterranean. In wet leaf litter, often close to running water, under rocks, cultivations.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.



Family: **Philosciidae**

[3 genera/ 13 species]

Genus: *Chaetophiloscia* Verhoeff, 1908

Medium-sized animals, smooth body, running fast at humid sites, especially in leaf-litter.

66. *Chaetophiloscia attica* Verhoeff, 1901

Endemic to Greece. Probably only a synonym of *Ch. cellaria*.

Literature: Schmalfuss 2003.

67. *Chaetophiloscia cellaria* (Dollfus, 1884)

All around Greece. Coastal regions of N Mediterranean, at humid sites.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

The terrestrial isopods of Greece

68. *Chaetophiloscia elongata* (Dollfus, 1884)

Very hygrophilic, at swamps, estuaries, lagoons, salt marshes and banks of streams, usually inside wet leaf litter. All around Greece. Mediterranean species.

Literature: Schmalfuss 1981, 2003, Sfenthourakis 1994.

69. *Chaetophiloscia hadjissarantosi* Strouhal, 1938

Endemic to Peloponnisos, probably just a synonym of *Ch. cellaria*.

Literature: Schmalfuss 1979b, 2003.

70. *Chaetophiloscia hastata* Verhoeff, 1929

Coastal regions of the NE Mediterranean, east to Iraq.

Literature: Schmalfuss 2003.

71. *Chaetophiloscia lagoi* (Arcangeli, 1934)

Astipalaia and E Aegean islands (Rodos, Ikaria, Samos, Kos, Kalimnos, Patmos, Leros, Nisiros, Giali and Pergousa), at humid sites. E Mediterranean species.

Literature: Sfenthourakis 1994, Schmalfuss 2003.

72. *Chaetophiloscia leucadia* Strouhal, 1936

Endemic to NW Greece and the Ionian islands.

Literature: Schmalfuss 2003.

73. *Chaetophiloscia penteliconensis* (Verhoeff, 1901)

{*Philoscia p.*}

Endemic to Attiki. Probably identical with *C. cellaria*.

Literature: Schmalfuss 2003.

74. *Chaetophiloscia sicula* Verhoeff, 1908

C Greece. A species of W Mediterranean.

Literature: Schmalfuss 2003.

Genus: *Lepidoniscus* Verhoeff, 1908

European genus, with 2 species.

75. *Lepidoniscus minutus* (C.L.Koch, 1838)

Reported from Florina, NW Greece. Species of E Europe.

Literature: Schmalfuss 1990, 2003.

Genus: *Philoscia* Latreille, 1804

Larger and more colorful than *Chaetophiloscia*, also in more humid habitats, usually near running water.

76. *Philoscia dalmatica* Verhoeff, 1901

Mt Pilio, Peloponnisos and Kea isl. A species of W Balkans, SE Italy and Sicily. Inside wet leaf litter, close to running water.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1994.

77. *Philoscia muscorum* (Scopoli, 1763)

Mt Giona. Widespread in Europe.

Literature: Schmalfuss 1981, 2003.

78. *Philoscia univittata* Strouhal, 1937

SW mainland Greece (lake Trichonis) and W Kriti. Also Albania and SE Italy. Inside leaf litter, close to streams and springs. Probably conspecific with *Ph. dalmatica*.

Literature: Schmalfuss 1979b, 1981, 2003, Schmalfuss *et al.* 2004.

Family: **Halophilosciidae**

[2 genera/ 4 species]

Genus: *Halophiloscia* Verhoeff, 1908

Halophilous species, living among rocks or debris in the coastal zone.

79. *Halophiloscia couchii* (Kinahan, 1858)

All around Greece. A species of Mediterranean Sea, introduced to America and Australia. Halophilous, at rocky coasts.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

80. *Halophiloscia hirsuta* Verhoeff, 1928

Rocky coasts of Aegean islands. A species of N Mediterranean coasts.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1993, Schmalfuss *et al.* 2004.

Genus: *Stenophiloscia* Verhoeff, 1908

Halophilous species, living among rocks or debris in the coastal zone, smaller and slower moving than *Halophiloscia* spp.

81. *Stenophiloscia glarearum* Verhoeff, 1908

{*S. zosteræ* Verhoeff, 1928}

Ionian islands. A W and C Mediterranean species.

Literature: Schmalfuss 1979b, 2003.

82. *Stenophiloscia vandeli* Matsakis, 1967

{*S. pieperi* Schmalfuss, 1972}

Endemic to many S Aegean islands (Kiklades and E Aegean, south to the N coast of Kriti). Halophilous, at rocky coasts.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

The terrestrial isopods of Greece

Family: **Trachelipodidae**
[3 genera/ 20 species]

Genus: ***Nagurus*** Holthuis, 1949
(Fig. 5)

A genus distributed mostly in the East and the Pacific. Greece is the western border of its distribution.

83. ***Nagurus aegaeus*** Schmalfuss, 1977

Endemic to S Aegean islands (Andros, Tinos, Siros, Naxos, Amorgos, Astipalaia, Ikaria, Karpathos and E Kriti). Wet places, usually under rocks in banks of streams.
Literature: Schmalfuss 1979b, 1994, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

84. ***Nagurus rhodiensis*** (Arcangeli, 1934)

Endemic to Rodos, Simi and Nimos islands. Probably sister species to *N. aegaeus*.
Literature: Schmalfuss 1979b, 1994, 2003.

85. ***Nagurus ziegleri*** Schmalfuss, 1994

Endemic to Kastelorizo isl.
Literature: Schmalfuss 1994, 2003.

Genus: ***Porcellium*** Dahl, 1916
(Fig. 5)

A genus endemic to Europe, with 13 species.

86. ***Porcellium collicola*** (Verhoeff, 1907)

N Greece (Makedonia, Thraki). An E Europe species.
Literature: Schmalfuss 1996, 2003.

87. ***Porcellium euboicum*** Schmalfuss, 1986

Endemic to Mt Dirfi, Evvoia isl.
Literature: Schmalfuss 1996, 2003.

88. ***Porcellium frontacutum*** Schmalfuss, 1996

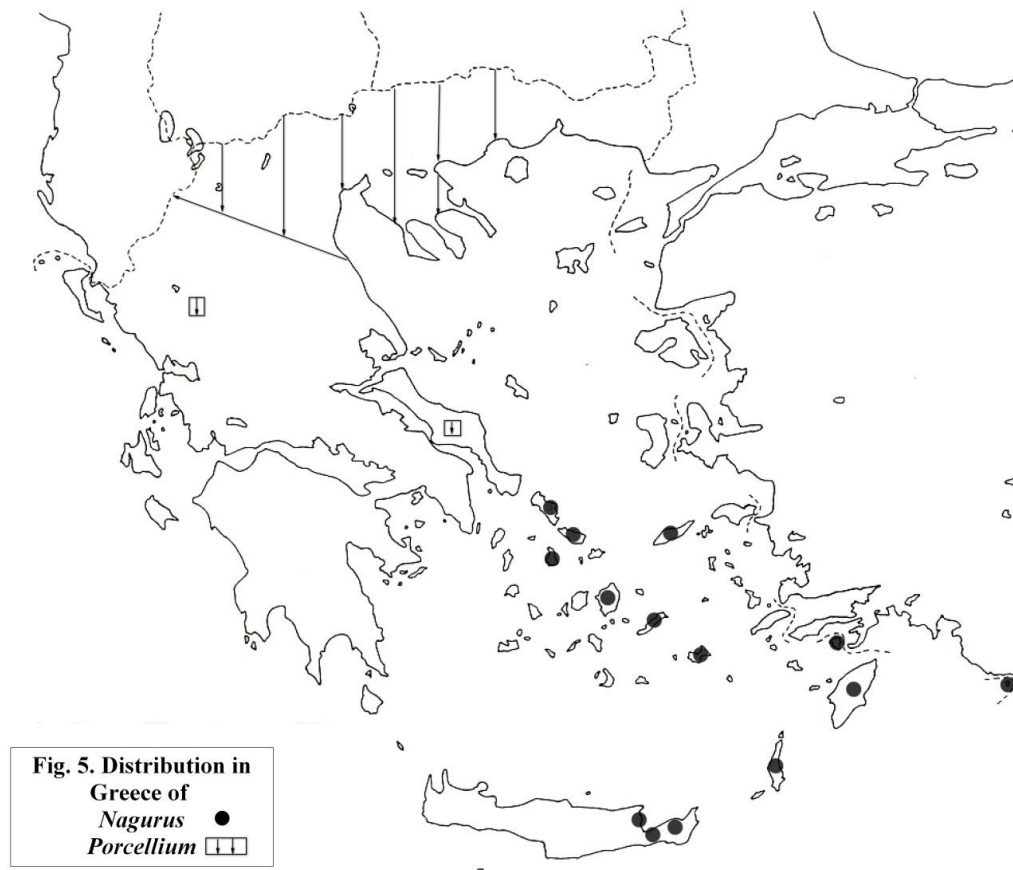
Endemic to Mt Rodopi (Elatia forest).
Literature: Schmalfuss 1996, 2003.

89. ***Porcellium graecorum*** Strouhal, 1954

Endemic to Mt Tzoumerka.
Literature: Schmalfuss 1979b, 1996, 2003.

90. ***Porcellium kerkinianum*** Schmalfuss, 1996

Mt Kerkini. Also SW FYROM.
Literature: Schmalfuss 1996, 2003.



91. *Porcellium pieperi* Schmalfuss, 1986
 Endemic to Mt Pieria, Mt Olimpos and Mt Vermio.
 Literature: Schmalfuss 1979b, 1996, 2003.

92. *Porcellium recurvatum* Verhoeff, 1901
 Makedonia. A SE Europe species.
 Literature: Schmalfuss 1996, 2003.

93. *Porcellium sfenthourakisi* Schmalfuss, 1996
 Endemic to Mt Vourinos.
 Literature: Schmalfuss 1996, 2003.

Genus: *Trachelipus* Budde-Lund, 1908
 {*Tracheoniscus* Verhoeff, 1917}
 (Fig. 6)

Humid forests and riparian habitats. A genus distributed all-around the Palearctic.

94. *Trachelipus aegaus* (Verhoeff, 1907)
 {*Porcellio aeg.* Verhoeff, 1907}

The terrestrial isopods of Greece

Endemic to E Peloponnisos, Attiki, Evvoia, Skiros, N Sporades, Stouronisi islet (between Attiki and Evvia), Kiklades (Andros, Kea, Kithnos, Serifos, Sifnos, Milos, Siros, Paros, Antiparos, Naxos, Amorgos, Tinos, Mikonos and Anafi), Ikaria and Samos.

Literature: Schmalfluss 1979b, 1981, 2003, Sfenthourakis 1994, Schmidt 1997, Schmalfluss *et al.* 2004, Parmakelis *et al.* 2008, Καμηλάρη 2010, Kamilari *et al.* 2011.

95. *Trachelipus arcuatus* (Budde-Lund, 1885)

NW Greece (Katara pass). A SE Europe species.

Literature: Schmidt 1997, Schmalfluss 2003, Parmakelis *et al.* 2008, Καμηλάρη 2010.



96. *Trachelipus buddelundi* (Strouhal, 1937)

Endemic to Chios isl. Only known from its original description. A doubtful species.

Literature: Schmalfluss 2003, Parmakelis *et al.* 2008, Καμηλάρη 2010.

97. *Trachelipus camerani* (Tua, 1900)

{*Porcellio phaeacorum* Verhoeff, 1901 }

NW mainland (Ipeiros), Kerkira and Lefkada islands. Also W Balkans and S Italy.

Literature: Schmidt 1997, Schmalfuss 2003, Parmakelis *et al.* 2008, Καμηλάρη 2010.

98. *Trachelipus cavaticus* Schmalfuss, Paragamian & Sfenthourakis, 2004
Endemic to caves of W Kriti. Coloration light brownish. Close to the sympatric, but not troglotic, *T. aegaeus*.

Literature: Schmalfuss *et al.* 2004, Parmakelis *et al.* 2008, Καμηλάρη 2010.

99. *Trachelipus kytherensis* (Strouhal, 1929)

{*T. palustris* (Strouhal, 1936)}

Endemic to W mainland Greece, Peloponnisos, Kithira isl. and W Kriti. A superspecies, involving several cryptic species. The populations from Kithira are more closely related to *T. aegaeus* and should be transferred there.

Literature: Schmidt 1997, Schmalfuss 2003, Parmakelis *et al.* 2008, Καμηλάρη 2010, Kamilari *et al.* 2011.

100. *Trachelipus razzautii* (Arcangeli, 1933)

{*Porcellio r.* Arcangeli, 1913}

Lesvos isl. A SE Europe species.

Literature: Schmidt 1997, Schmalfuss 2003, Parmakelis *et al.* 2008, Καμηλάρη 2010.

101. *Trachelipus squamuliger* (Verhoeff, 1907)

C and N mainland Greece, Samothraki, Limnos and Lesvos islands.

Literature: Schmidt 1997, Schmalfuss 2003, Parmakelis *et al.* 2008, Καμηλάρη 2010.

102. *Trachelipus* sp.

Endemic to Stouronisi and Agios Andreas islets (between Attiki and Evvia). Exceptional ecology of a *Trachelipus* species, as it lives in relatively dry sites.

Literature: Parmakelis *et al.* 2008, Καμηλάρη 2010.

Family: **Agnaridae**

[2 genera/ 9 species]

Orthometopon Verhoeff, 1917

(Fig. 7)

A genus of SE Europe and W Turkey.

103. *Orthometopon dalmatinum* (Verhoeff, 1901)

W & C mainland Greece, Ionian islands, Kithira, Gavdos and Kriti islands. The populations from Kriti and Gavdos probably belong to a separate new species. Also Albania, Croatia and C Italy.

Literature: Schmalfuss 1979b, 1993, 2003, Schmalfuss *et al.* 2004, Poulakakis & Sfenthourakis 2008.

104. *Orthometopon ferrarai* (Schmalfuss 1983)

{*Protracheoniscus f.* Schmalfuss, 1983}

Endemic to Katerini beach and Lesvos isl.

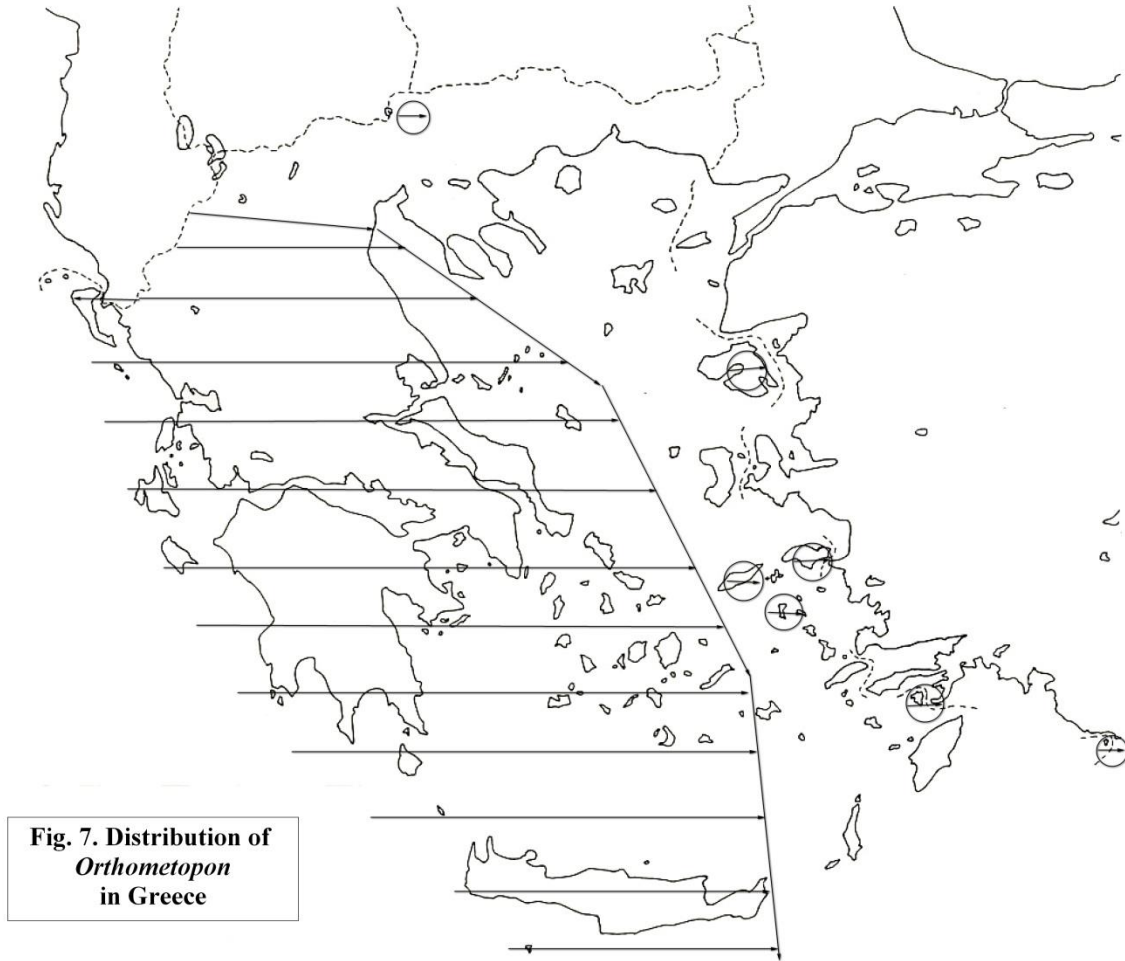
The terrestrial isopods of Greece

Literature: Schmalzfuss 1979b, 1983, 1993, 2003, Poulakakis & Sfenthourakis 2008.

105. *Orthometopon hydrense* Schmalzfuss, 1993

Endemic to Idra isl.

Literature: Schmalzfuss 1993, 2003, Poulakakis & Sfenthourakis 2008.



106. *Orthometopon kerkinianum* Schmalzfuss, 1993

Endemic to Mt Kerkini. Syntopic with *O. dalmatinum*.

Literature: Schmalzfuss 1993, 2003, Poulakakis & Sfenthourakis 2008.

107. *Orthometopon phaleronense* (Verhoeff, 1901)

Endemic to N Sporades, Evvoia, Attiki and W Kiklades (Andros, Kea, Kithnos, Milos, Dilos, Serifos, Sifnos and Amorgos). Phrygana, maquis, usually dry places, under stones.

Literature: Schmalzfuss 1979b, 1981, 1993, 2003, Sfenthourakis 1994, Poulakakis & Sfenthourakis 2008.

108. *Orthometopon scheuerni* Schmalfuss, 1993
Simi and Kastelorizo islands. A species of SW Turkey.
Literature: Schmalfuss 1993, 2003, Poulakakis & Sfenthourakis 2008.

109. *Orthometopon turcicum* Verhoeff, 1941
Lesvos, Samos, Ikaria and Patmos islands. Also at NW Turkey.
Literature: Schmalfuss 1993, 2003, Poulakakis & Sfenthourakis 2008.

Protracheoniscus Verhoeff, 1917

110. *Protracheoniscus fossuliger* (Verhoeff, 1901)
{*Protracheoniscus albanicus* Arcangeli 1952, *Protracheoniscus babori* Frankenberger 1938}
N mainland Greece and Kos isl. Under stones and inside leaf litter. Southern Europe from Spain to Greece.
Literature: Sfenthourakis 1994, Schmalfuss 2003.

111. *Protracheoniscus kalymnius* Sfenthourakis, 1995
Endemic to Kalimnos, Samos, Ikaria, Patmos and Leros islands. Coloration pale yellow, with brownish longitudinal lines. Under stones in maquis and anthropogenous habitats. Also in forested and humid sites.
Literature: Sfenthourakis 1994, 1995, Schmalfuss 2003.

Family: **Platyarthridae** [1 genus/ 5 species]

Genus: *Platyarthrus* Brandt, 1833

A myrmecophilus genus (found in ant nests). Very small, white and blind.

112. *Platyarthrus beieri* Strouhal, 1954
Endemic to Lefkada isl, Peloponnisos, Kiklades (Siros, Amorgos, Milos and Mikonos), Leros and Kriti islands.
Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

113. *Platyarthrus costulatus* Verhoeff, 1908
Kerkira isl. W and C Mediterranean species.
Literature: Schmalfuss 2003.

114. *Platyarthrus hoffmannseggii* Brandt, 1833
N and C mainland Greece.
Literature: Schmalfuss 1979b, 1981, 2003.

115. *Platyarthrus lindbergi* Vandel, 1959
Endemic to N and C mainland Greece and many Aegean islands, south to Kriti.
Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

The terrestrial isopods of Greece

116. *Platyarthrus schoblii* Budde-lund, 1885

C mainland Greece and Aegean islands. A polymorphic species of the Mediterranean coasts.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

Family: **Tendosphaeridae**

[2 genera/ 2 species]

Genus: *Tendosphaera* Verhoeff, 1930

(Fig. 12)

117. *Tendosphaera graeca* Schmalfuss, 1989

Endemic to Lefkada isl. Olive groves.

Literature: Schmalfuss 1989a, 2003.

Genus: *Thrakosphaera* Schmalfuss, 1998

(Fig. 13)

Monotypic genus.

118. *Thrakosphaera schawalleri* Schmalfuss, 1998

Endemic to Thraki.

Literature: Schmalfuss 1998, 2003.

Family: **Oniscidae**

[1 genus/ 1 species]

Genus: *Rodoniscus* Arcangeli, 1934

(Fig. 13)

Monotypic genus.

119. *Rodoniscus anophthalmus* Arcangeli, 1934

Endemic to S Aegean islands (Rodos, Kos, Astipalaia, Antikithira, Levitha, Kinaros, Anafi, Amorgos, Ananes, Falkonera, Christiani, Askania and Dia (off Kriti). Endogean. Maquis and phrygana, under big rocks in wet soil.

Literature: Sfenthourakis 1993, 1994, Schmalfuss 1979b, Schmalfuss *et al.* 2004.

Family: **Porcellionidae**

[5 genera/ 26 species]

Genus: *Agabiformius* Verhoeff, 1908

120. *Agabiformius lentus* (Budde-Lund, 1885)

All around Greece at loose sandy substrates, usually just below surface. Mediterranean coasts, introduced to many parts of the world.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

121. *Agabiformius obtusus* (Budde-Lund, 1909)

Aegean islands, on sandy beaches. An E Mediterranean species.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

122. *Agabiformius spatula* (Dollfus, 1905)

{*Porcellio s.*}

Naxos and Leros islands. Also Cyprus. Sandy beaches.

Literature: Sfenthourakis 1994, Schmalfuss 2003.

Genus: *Leptotrichus* Budde-Lund, 1885

(Fig. 8)

Mediterranean genus of 10 species, adapted to a life of digging in loose sandy substrates.

123. *Leptotrichus kosswigi* Strouhal, 1960

Aegean islands (Idra, Andros, Tinos, Mikonos, Kea, Kithnos, Sifnos, Milos, Paros, Naxos, Amorgos, Santorini, Astipalaia, Samos, Ikaria, Patmos, Leros, Kalimnos, Kos, Nisiros, Kinaros, Kandiliousa, Levitha, Pergousa, Gyali, Simi, Rodos, Kastelorizo, Saria and Karpathos). Also S Turkey. Color light brown with yellow spots.

Literature: Sfenthourakis 1994, Schmalfuss 2000b, 2003.

124. *Leptotrichus naupliensis* (Verhoeff, 1901)

S and E Peloponnisos, Kithira, Antikithira, Siros, Kithnos, Dilos, Milos, Ios, Santorini, Kriti, Karpathos, Kasos, Armathia, Samos, Tilos, Simi, Rodos and Kastelorhizo. Species of E Meditterenian. Very much like *L. kosswigi* and often syntopic with it. Color brown mottled with yellowish.

Literature: Sfenthourakis 1993, 1994, Schmalfuss 2000b, 2003, Schmalfuss *et al.* 2004.

125. *Leptotrichus panzerii* (Audouin, 1826)

Kefalonia, Strofades, Kalamos and Lefkada islands, S. Peloponnisos (Githio, Pilos) and Santorini isl. Coloration yellowish with brownish pigmentation. A Meditteranean species (mainly W and C).

Literature: Schmalfuss 1979b, 2000b, 2003.

126. *Leptotrichus pilosus* Dollfus, 1905

Lesvos isl. A species of E Meditteranian. Color greyish, nearly without any pigmentation.

Literature: Schmalfuss 2000b, 2003.

127. *Leptotrichus spinosus* Schmalfuss, 2000

Endemic to Thasos isl. Color yellowish with light brownish pigmentation.

Literature: Schmalfuss 2000b, 2003.

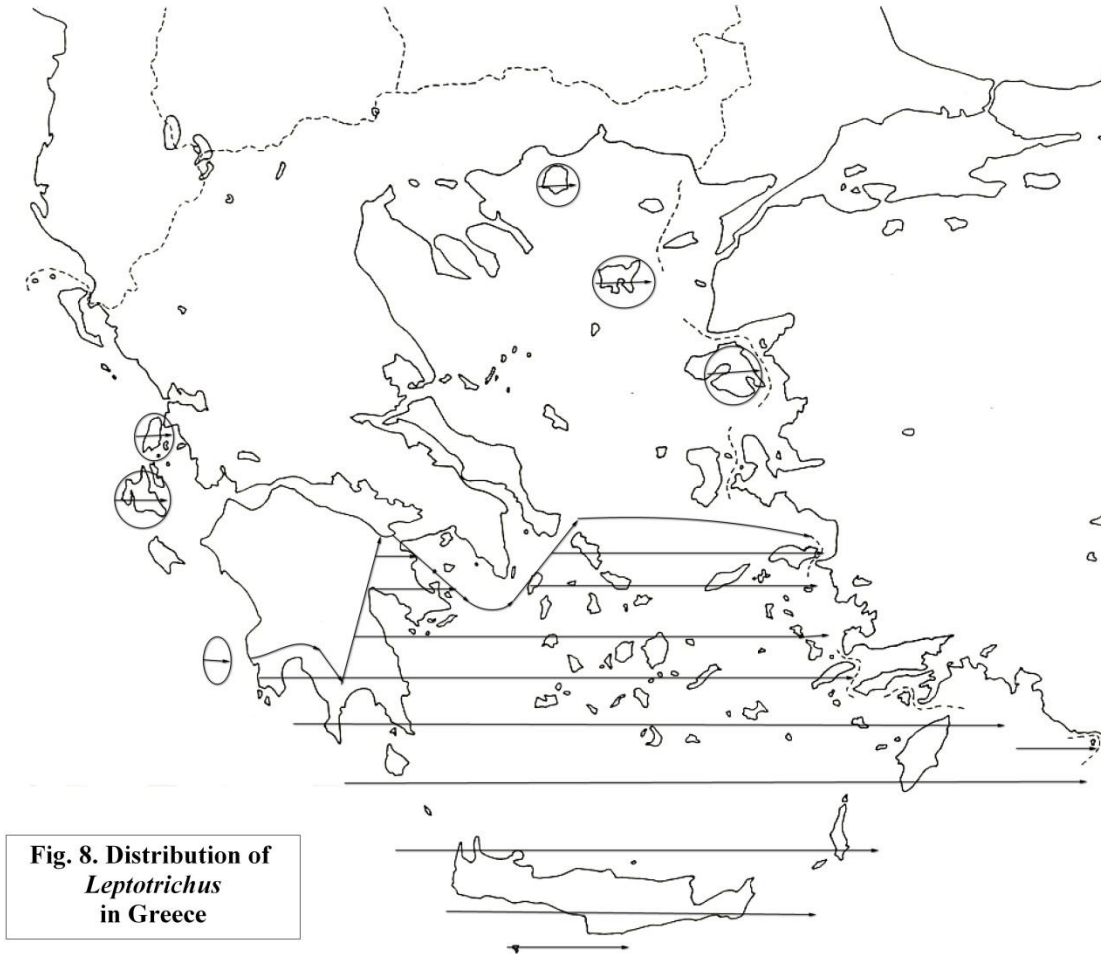
The terrestrial isopods of Greece

128. *Leptotrichus syrensis* (Verhoeff, 1902)

{*Porcellio* s. Verhoeff, 1902}

Siros, Andros, Santorini, Sifnos, Milos, Ag. Efstratios, Samos and Limnos islands. Also at SW Turkey. Color dark brownish grey with yellowish margins.

Literature: Schmalfuss 1979b, 2000b, 2003, Sfenthourakis 1994.



Genus *Porcellio* Latreille, 1804

The most species-rich genus of terrestrial isopods, with c 200 species.

129. *Porcellio achilleionensis* Verhoeff, 1901

W mainland Greece and Ionian islands. Also Albania.

Literature: Schmalfuss 1979b, 2003.

130. *Porcellio atticus* Verhoeff, 1907

Endemic to Attiki. Doubtful species, as no material has been found in recent decades, despite its presumed occurrence in a highly accessible and populated area. Maybe a synonym of *Porcellio obsoletus*.

Literature: Schmalfuss 2003.

131. *Porcellio dilatatus* Brandt, 1833

A European species, introduced to many parts of the world.

Literature: Schmalfuss 2003.

132. *Porcellio epirensis* Strouhal, 1954

Endemic to Ipeiros.

Literature: Schmalfuss 2003.

133. *Porcellio flavomarginatus* Lucas, 1853

{*P. albomarginatus* Vogl 1876, *P. andrius* Strouhal 1936, *P. creticus* Strouhal 1929, *P. rechingeri* Strouhal 1937, *P. decorus* Strouhal 1929}

Idra, S Evvoia, Andros, Siros, Sifnos, Tinos, Mikonos, Serifos, Naxos, Sikinos, Amorgos, Anidros, Santorini, Kos, Nisiros, Rodos, Simi, Giali, Karpathos, Armathia, Kasos and Kriti. Also at Marmaris SW Turkey. Rocky places, maquis and phrygana. Polymorphic, probably a superspecies.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

134. *Porcellio laevis* Latreille, 1804

All around Greece, in wet sites and muddy places. W Mediterranean species, introduced to many parts of the world.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

135. *Porcellio lamellatus* Budde-Lund,

Peloponnisos, Ionian islands, N Sporades, Kiklades, Karpathos and Kriti islands. Halophilous, at sandy beaches.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.

136. *Porcellio messenicus* Verhoeff, 1907

{*P. cythereus* Strouhal 1937, *P. taygetinus* Strouhal 1937}

Endemic to Kefalonia, Zakynthos and Kithira islands and S Peloponnisos.

Literature: Schmalfuss 1979b, 2003.

137. *Porcellio nasutus* Strouhal, 1936

Endemic to the mountains of Peloponnisos and Mt Parnassos.

Literature: Schmalfuss 1979b, 2003.

138. *Porcellio obsoletus* Budde-Lund, 1885

All around Greece. A species of NE Mediterranean. Maquis, cultivations, woodland and human habitats.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

The terrestrial isopods of Greece

139. *Porcellio peloponnesius* Strouhal, 1936

Endemic to Peloponnisos. According to Schmalfuss (1979b), *P. peloponnesius* and *P. epirensis* were considered synonyms of *P. achileionensis*, but after examining fresh material, these are three distinct valid species.

Schmalfuss 1979b, Sfentourakis *et al.* 2005, 2012.

140. *Porcellio weneri* Strouhal, 1929

Endemic to Naxos, Paros, Sikinos and Amorgos islands. Rocky places, maquis and phrygana.

Literature: Sfenthourakis 1994, Schmalfuss 2003.

Genus: *Porcellionides* Miers, 1877

141. *Porcellionides cavernarum* (Vandel, 1958)

{*Metoponorthus delattini c.*, *P. delattini c.*}

Endemic to four caves of C Kriti. Coloration white, without any pigmentation.

Literature: Schmalfuss 2003, Schmalfuss *et al.* 2004.

142. *Porcellionides myrmecophilus* (Stein, 1859)

All around Greece. Mostly myrmecophilous, usually found in sandy soils and around ant nests. A species of the Mediterranean area. Sometimes intermediate forms to *P. pruinosus* can be found and its identification is not always safe.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

143. *Porcellionides pruinosus* (Brandt, 1833)

{*P. sikinius* Strouhal 1937, *P. nigrobrunneus* (Budde-Lund 1896).

All around Greece. A polytypic, highly synanthropic species, probably native of Asia Minor, introduced to many parts of the world. Possibly a super-species with several cryptic species.

Literature: Schmalfuss 1979b, 1981, 2003, Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004.

Genus: *Proporcellio* Verhoeff, 1907

(Fig. 9)

144. *Proporcellio corticolus* (Verhoeff, 1907)

Endemic to Lappa, NW Peloponnisos.

Literature: Schmalfuss 1979b, 2003.

145. *Proporcellio vulcanius* Verhoeff, 1908

{*P. quadriseriatus* Verhoeff 1917, *P. kuehnelti* Strouhal 1937, *P. melius* Strouhal 1937}

Kea, Kithnos, Andros, Naxos, Paros, Tinos, Mikonos, Santorini, Milos, Siros, Serifos, Sifnos, Anafi, Christiani, Askania, Pachia, Megalo Fteno, Micro Fteno, Ikaria, Kos, Kalimnos, Nisiros, Dia and W Kriti islands. At loose sandy substrates, not far from the

sea, usually just below surface. A species of E Mediterranean.

Literature: Schmalfuss 1979b, 2003, Sfenthourakis 1994, Schmalfuss *et al.* 2004.



Fig. 9. Distribution of *Proporcellio* in Greece

Family: **Cylisticidae**
[1 genus/ 1 species]

Genus: *Cylisticus* Schnitzler, 1853

146. *Cylisticus convexus* (De Geer, 1778)

N mainland Greece and Kos isl. Species with an almost cosmopolitan distribution. Hygrophilic, inside leaf litter at stream banks.

Literature: Sfenthourakis 1994, Schmalfuss 1979b, 2003.

The terrestrial isopods of Greece

Family: **Armadillidiidae**
[6 genera/ 88 species]

Genus: ***Armadillidium*** Brandt, 1833

The most species-rich genus of terrestrial isopods in Greece, with 59 species (several more undescribed) and the second highest number of species worldwide (c 180). It is distributed in Europe and around the Mediterranean Sea, but is mainly differentiated in Italy and Greece.

147. ***Armadillidium aegaeum*** Strouhal, 1929

Endemic to N Sporades islands (Skiros, Skopelos, Alonisos, Kira Panagia, Gioura, Gaidaros, Korakas, Skantzoura, Lechousa, Pappous, Adelfopoulo, Piperi, Sarakino) and N Evvoia (Psachna area and Mt Kandili).

Literature: Schmalfuss 1981, 2003, 2006b, 2013b.

148. ***Armadillidium album*** Dollfus, 1887

Komotini area and Zakynthos isl. Sandy beaches, under logs and trunks deeply buried in the sand. Coasts of Europe.

Literature: Schmalfuss 2003, 2008b, 2011, 2013b.

149. ***Armadillidium ameglioii*** Arcangeli, 1914

{*A. samium* Strouhal 1929, *A. naxium* Verhoeff 1901}

Aegean islands (Naxos, Amorgos, Ikaria, Samos, Chios, Rodos, Chalki, Simi, Kastelorizo, Alatonisi). Also SW Turkey. Dry places in maquis and phrygana or human settlements, under stones. Variable species, probably a superspecies.

Literature: Sfenthourakis 1994, Schmalfuss 2003, 2006b, 2013b.

150. ***Armadillidium arcadicum*** Verhoeff, 1902

{*A. humile* Strouhal 1936, *A. zuellichi* Strouhal 1937}

Endemic to W, C and S Peloponnisos, Kefalonia, Zakynthos and Strofades islands. Literature: Schmalfuss 2003, 2006a, 2011, 2013b.

151. ***Armadillidium argolicum*** Verhoeff, 1907

{*A. hydrense* Strouhal 1937, *A. mycenaeum* Strouhal 1937, *A. aeginense* Strouhal 1939}.

Endemic to NE Peloponnisos, Aigina, Idra and Modi islands.

Literature: Schmalfuss 2003, 2006a, 2006b, 2013b.

152. ***Armadillidium artense*** Strouhal, 1956

Endemic to Arta area.

Literature: Schmalfuss 2003, 2010, 2013b.

153. ***Armadillidium atticum*** Strouhal, 1929

Endemic to Attiki, Salamina, Egina, Kithnos and Evvoia. Maquis, phrygana, human settlements, cultivations. Probably the sister species of *A. insulanum*.

Literature: Sfenthourakis 1994, Schmalfuss 2003, 2006b, 2012, 2013b.

154. *Armadillidium beieri* Strouhal, 1937
Endemic to Kefalonia, Lefkada and Kalamos islands.
Literature: Schmalfuss 2003, 2011, 2013b.
155. *Armadillidium bensei* Schmalfuss, 2006
Endemic to Mt Foloï, NW Peloponnisos. Deciduous *Quercus* forest.
Literature: Schmalfuss 2003, 2006a, 2013b.
156. *Armadillidium bicurvatum* Verhoeff, 1901
{*A. schulzi* Strouhal 1929}
W mainland Greece, Peloponnisos and Kerkira, Paxi, Antikithira and W Kriti islands.
Also S Albania.
Literature: Sfenthourakis 1993, Schmalfuss *et al.* 2004, Schmalfuss 2003, 2006a, 2006b, 2008b, 2010, 2011, 2012, 2013b.
157. *Armadillidium cephalonicum* Strouhal, 1929
Endemic to Kefalonia and Zakinthos islands.
Literature: Schmalfuss 2003, 2011, 2013b.
158. *Armadillidium corcyraeum* Verhoeff, 1901
{*A. graecorum* Verhoeff 1907, *A. odysseum* Verhoeff 1901}
Endemic to Ipeiros and islands Kerkira, Lefkada and Paxi.
Literature: Schmalfuss 2003, 2010, 2011, 2013b.
159. *Armadillidium cythereium* Strouhal, 1937
Endemic to Kithira, Antikithira and Prasonisi islands. Sister species to *A. laconicum*.
Literature: Sfenthourakis 1993, Schmalfuss 2003, 2006b, 2013b.
160. *Armadillidium epiroticum* Strouhal, 1956
{*A. jonicum e.*}
Endemic to Ipeiros.
Literature: Schmalfuss 2003, 2010, 2013b.
161. *Armadillidium fossuligerum* Verhoeff, 1902
Endemic to Mt Timfristos and Mt Panaitoliko. Forests above 1000m.
Literature: Schmalfuss 2003, 2008b, 2012, 2013b.
162. *Armadillidium frontemarginatum* Strouhal, 1927
Endemic to Kefalonia, Lefkada, Meganisi, Kalamos and Zakinthos islands. Close to *A. stymphalicum*.
Literature: Schmalfuss 2003, 2011, 2013b.
163. *Armadillidium frontetriangulum* Verhoeff, 1901
Endemic to Ipeiros and Kerkira isl.
Literature: Schmalfuss 2003, 2010, 2011, 2013b.

The terrestrial isopods of Greece

164. *Armadillidium gionum* Schmalfuss, 2012

Endemic to Mt Giona.

Literature: Schmalfuss 2012, 2013b.

165. *Armadillidium granulatum* Brandt, 1833

Kyklades, E Aegean islands, Kriti, Antikithira, W mainland and Ionian islands. Coasts of Mediterranean Sea, east to the Aegean Sea. Close to sea, maquis, phrygana and human settlements.

Literature: Sfenthourakis 1993, 1994, Schmalfuss *et al.* 2004, Schmalfuss 2003, 2006a, 2006b, 2010, 2011, 2013b.

166. *Armadillidium grimmi* Schmalfuss, 2006

Endemic to SE Peloponnisos, at the foothills of Mt Parnon.

Literature: Schmalfuss 2006a, 2013b.

167. *Armadillidium hauseni* Schmalfuss, 1985

Endemic to Paxoi isl.

Literature: Schmalfuss 1985, 2003, 2011, 2013b.

168. *Armadillidium humectum* Strouhal, 1937

{*A. parvum* Strouhal 1938}

Endemic to Ipeiros, W Sterea Ellas, NW Peloponnisos and islands Kerkira, Lefkada and Zakynthos. A population has been introduced to Ancient Korinthos.

Literature: Schmalfuss 2003, 2006a, 2010, 2011, 2012, 2013b.

169. *Armadillidium insulanum* Verhoeff, 1907

{*A. lemnum* Strouhal 1937, *A. samothracium* Strouhal 1937, *A. scyrium* Strouhal 1929}

Endemic to the islands of C & N Aegean (Evvoia, Naxos, Dilos, Koufonisi, Andros, Kea, Paros, Antiparos, Mikonos, Sifnos, Serifos, Milos, Siros, Ios, Skiros, Skiropoula, Samothraki, Limnos, Agios Efstratios, Lesvos, Chios, Samos, Ikaria, Thasos, N Sporades) and Thraki (up to the Bulgarian borders). Phrygana and cultivations. Variable species, probably a superspecies.

Literature: Sfenthourakis 1994, Schmalfuss 1981, 2003, 2006b, 2008b, 2013b.

170. *Armadillidium irmengardis* Strouhal, 1956

Endemic to Ipeiros and W Thessalia (Kalampaka).

Literature: Schmalfuss 2003, 2010, 2012, 2013b.

171. *Armadillidium janinense* Verhoeff, 1902

{*A. epirense* Strouhal 1956}

Endemic to NW Greece (Ipeiros, W Makedonia and Evritania).

Literature: Schmalfuss 2003, 2008b, 2010, 2012, 2013b.

172. *Armadillidium jerrentrupii* Schmalfuss, 2008

Endemic to the lower Nestos river system.

Literature: Schmalfuss 2008b, 2013b.

173. *Armadillidium jonicum* Strouhal, 1927
{incl. *A. jonicum leucadium* Strouhal 1937}.
Endemic to Kefalonia, Lefkada, Ithaki and Kalamos islands.
Literature: Schmalfuss 2003, 2011, 2013b.

174. *Armadillidium justii* Strouhal, 1937
Endemic to Lefkada, Meganisi and Kalamos islands.
Literature: Schmalfuss 2003, 2011, 2013b.

175. *Armadillidium kalamatense* Verhoeff, 1907
Endemic to S Peloponnisos.
Literature: Schmalfuss 2003, 2006a, 2013b.

176. *Armadillidium kalamium* Strouhal, 1956
Endemic to Kalamos isl.
Literature: Schmalfuss 2003, 2011, 2013b.

177. *Armadillidium klugii* Brandt, 1833
{*A. albanicum* Verhoeff, 1901
A. inflatum Verhoeff, 1907}
Ipeiros and Kerkira isl. A W Balkan species.
Literature: Schmalfuss 2003, 2010, 2011, 2013a, 2013b.

178. *Armadillidium kuehnelti* Schmalfuss, 2006
Endemic to Mt Chelmos and Mt Killini.
Literature: Schmalfuss 2006a, 2013b.

179. *Armadillidium laconicum* Strouhal, 1938
Endemic to Maleas peninsula, SE Peloponnisos (from Molai to Elafonisos).
Literature: Schmalfuss 2003, 2006a, 2013b.

180. *Armadillidium laminigerum* Verhoeff, 1907
Endemic to Aitoliko area and lake Trichonis.
Literature: Schmalfuss 2003, 2012, 2013b.

181. *Armadillidium lobocurvum* Verhoeff, 1902
Endemic to Mt Panachaiko and the northern foothills (NW Peloponnisos) and the Efpalio area, close to Naupaktos (W Sterea Ellas).
Literature: Schmalfuss 2003, 2006a, 2012, 2013b.

182. *Armadillidium lyMBERAKISI* Schmalfuss, Paragamian & Sfenthourakis, 2004
Endemic to the alpine zone of Lefca Ori, Kriti. Coloration greyish-brown. Possibly related and similar to *A. marmoratum*.
Literature: Schmalfuss *et al.* 2004, Schmalfuss 2006b, 2013b.

The terrestrial isopods of Greece

183. *Armadillidium maniatum* Schmalfuss, 2006
Endemic to the coast of Bathia, Mani peninsula. Probably endogean.
Literature: Schmalfuss 2006a, 2013b.
184. *Armadillidium marmoratum* Strouhal, 1929
{*A. rhodium* Strouhal 1937}
Common all around coastal Greece. An E Mediterranean species.
Literature: Sfenthourakis 1994, Schmalfuss *et al.* 2004, Schmalfuss 1981, 2003, 2006a, 2006b, 2008b, 2011, 2012, 2013b.
185. *Armadillidium messenicum* Verhoeff, 1902
Endemic to Kalamata area, SW Peloponnisos. Closely related to *A. tripolitzense*.
Literature: Schmalfuss 2003, 2006a, 2013b.
186. *Armadillidium meteorense* Schmalfuss, 2012
Endemic to Meteora area, collected around the monasteries. Close to *A. atticum* and *A. corcyraeum*.
Literature: Schmalfuss 2012, 2013b.
187. *Armadillidium pallasii* Brandt, 1833
Kerkira isl. A species of the coasts of Adriatici and the Black Sea.
Literature: Schmalfuss 2003, 2011, 2013b.
188. *Armadillidium pangaionum* Schmalfuss, 2008
Endemic to Mt Pangaio area, E Makedonia.
Literature: Schmalfuss 2008b, 2013b.
189. *Armadillidium pelionense* Strouhal, 1928
Endemic to Mt Pilio. *Fagus* forests. Very close to *A. insulanum*.
Literature: Schmalfuss 2003, 2006b, 2012, 2013b.
190. *Armadillidium peloponnesiacum* Verhoeff, 1901
{*A. bimarginatum* Strouhal 1929, *A. granulatum peloponnesiaca* Verhoeff 1901, *A. luridum* Verhoeff 1907, *A. propinquum* Strouhal 1929}
Endemic to W, C & S mainland Greece, Lefkada, Kefalonia, Zakinthos, Evvoia and Skiros islands.
Literature: Schmalfuss 2003, 2006a,b, 2010, 2011, 2012, 2013b.
191. *Armadillidium peraccae* Tua, 1900
Lesvos and Thasos islands. Also NW Turkey and SE Italy.
Literature: Schmalfuss 2003, 2006b, 2013b.
192. *Armadillidium petralonense* Schmalfuss, 2008
Endemic to the area from Thessaloniki to Petralona. Very close to *A. pieperi*.
Literature: Schmalfuss 2008b, 2013b.

193. *Armadillidium phalacronum* Schmalfuss, 2008
Endemic to Mt Phalakro and Mt W Rodopi.
Literature: Schmalfuss 2008b, 2013b.
194. *Armadillidium pieperi* Schmalfuss, 2008
Endemic to Sithonia and Kassandra peninsulas, Makedonia.
Literature: Schmalfuss 2008b, 2013b.
195. *Armadillidium pseudovulgare* Verhoeff, 1902
{*A. veluchiense* Verhoeff, 1902}
Endemic to Mt Timfristos and Mt Panaitoliko. Sympatric and similar to *A. fossuligerum*.
Literature: Schmalfuss 2003, 2013b.
196. *Armadillidium sfenthourakisi* Schmalfuss, 2008
Endemic to Mt Olimpos and Tempi valley.
Literature: Schmalfuss 2008b, 2012, 2013b.
197. *Armadillidium simile* Strouhal, 1937
Endemic to Kerkira isl.
Literature: Schmalfuss 2003, 2011, 2013b.
198. *Armadillidium stolikanum* Verhoeff, 1907
Endemic to Aitoliko area.
Literature: Schmalfuss 2003, 2012, 2013b.
199. *Armadillidium stymphalicum* Schmalfuss, 2006
Endemic to Mt Killini. Closely related to *A. frontemarginatum*.
Literature: Schmalfuss 2006a, 2013b.
200. *Armadillidium tripolitzense* Verhoeff, 1902
{*A. olympiacum* Strouhal 1937, *A. voidiense* Strouhal 1937}.
Endemic to the mountains of Peloponnisos and Mt Parnitha. Often above timberline.
Literature: Schmalfuss 2003, 2006a, 2012, 2013b.
201. *Armadillidium tuberculatum* Schmalfuss, 2008
Endemic to coastal regions of Kavala, lake Kerkini and Ellassona area.
Literature: Schmalfuss 2008b, 2012, 2013b.
202. *Armadillidium versluysi* Strouhal, 1937
Endemic to Mt Parnassos.
Literature: Schmalfuss 2003, 2012, 2013b.
203. *Armadillidium vulgare* (Latreille, 1804)
Common all around Greece (but not the SE Aegean islands- Rodos, Karpathos). A species of SE Europe, now cosmopolitan through human activities to most parts of the world.

The terrestrial isopods of Greece

Literature: Sfenthourakis 1994, Schmalzfuss *et al.* 2004, Schmalzfuss 1981, 2003, 2006a, 2006b, 2008b, 2010, 2011, 2012, 2013b.

204. *Armadillidium weneri* Strouhal, 1927

Endemic to Kerkira isl.

Literature: Schmalzfuss 2003, 2011, 2013b.

205. *Armadillidium xerovunense* Strouhal, 1956

Endemic to Ipeiros.

Literature: Schmalzfuss 2003, 2010, 2013b.



Genus: *Echinarmadillidium* Verhoeff, 1901

(Fig. 10)

A genus with four species, two from S Aegean islands and two from C Balkans.

206. *Echinarmadillidium armathianum* Schmalzfuss & Sfenthourakis, 1995

Endemic to Armathia isl., close to Kasos. Light violet- brown pigmentations, body cov-

ered with tubercles.

Literature: Schmalzfuss & Sfenthourakis 1995, Schmalzfuss 2003.

207. *Echinarmadillidium cycladicum* Schmalzfuss & Sfenthourakis, 1995

Endemic to S Kiklades (Anafi, Pacheia, Megalo Fteno, Folegandros, Ios, Amorgos, Anidros, Antiparos, Sifnos, Serifos, Sikinos, Levitha, Kinaros), Dia and NE Kriti (Knossos). White, with violet -brown pigmentations, body covered with tubercles. Sandy substrates, at or near the sea-shore.

Literature: Sfenthourakis 1994, Schmalzfuss & Sfenthourakis 1995, Schmalzfuss 2003, Schmalzfuss *et al.* 2004.

Genus: *Paxodillidium* Schmalzfuss, 1985

(Fig. 13)

Monotypic genus.

208. *Paxodillidium schawalleri* Schmalzfuss, 1985

Endemic to Kerkira, Kefalonia, Ithaki, Zakynthos, Strofades and Paxi islands.

White without pigmentations, covered with huge tubercles.

Literature: Schmalzfuss 1985, 2003, Schmalzfuss & Sfenthourakis 1995.

Genus: *Platanosphaera* Strouhal, 1956
{incl. *Troglarmadillidium* Verhoeff, 1900}

A genus endemic to Greece. Small sized animals with reduced pigmentation, able to conglobate.

209. *Platanosphaera ariadnae* (Vandel, 1958)

{*Troglarmadillidium ariadnae* (Vandel, 1958)}

Endemic to caves at peninsula Akrotiri, Kriti. Troglobitic-endogean.

Literature: Sfenthourakis 1993, Schmalzfuss 1979b, Schmalzfuss 2003, Schmalzfuss *et al.* 2004.

210. *Platanosphaera beieri* (Strouhal, 1956)

{*Troglarmadillidium b.*}

Endemic to Ipeiros. Epigeal.

Literature: Sfenthourakis 1993, Schmalzfuss 1979b, 2003.

211. *Platanosphaera cavernarum* (Vandel, 1958)

{*Armadillidium c.* Vandel, 1958}

Endemic to caves of E Kriti.

Literature: Schmalzfuss 2003, Schmalzfuss *et al.* 2004.

212. *Platanosphaera gavidensis* (Schmalzfuss, 1972)

{*Cristarmadillidium g.* Schmalzfuss 1972, *Troglarmadillidium gavidense* (Schmalzfuss 1972)}

Endemic to W Kriti (southern foothills of Lefka Ori) and Gavdos isl. Epigeal.

Literature: Sfenthourakis 1993, Schmalzfuss 1979b, 2003, Schmalzfuss *et al.* 2004.

The terrestrial isopods of Greece

213. *Platanosphaera halophila* (Sfenthourakis, 1993)

{*Troglarmadillidium halophilum* Sfenthourakis, 1993}

Endemic to Antikithira isl. Epigeal, under stones and in the sandy soil.

Literature: Sfenthourakis 1993, Schmalfuss 2003.

214. *Platanosphaera kournasensis* Schmalfuss, Paragamian & Sfenthourakis, 2004

Endemic to Kournas cave, Kriti. Blind, white, without pigmentation.

Literature: Schmalfuss *et al.* 2004.

Genus: *Schizidium* Verhoeff, 1901
{incl. *Paraschizidium* Verhoeff, 1917}
(Fig. 11)

A genus distributed from Greece to Iran. Probably not monophyletic.

215. *Schizidium aegaeum* (Sfenthourakis, 1995)

{*Paraschizidium aegaeum* Sfenthourakis, 1995}

Endemic to Tinos, Mikonos, Antimilos, Amorgos and Christiana islands. Pale brownish, pigmented. Endogean, under deeply buried stones at humid sites near streams or in phrygana.

Literature: Sfenthourakis 1994, 1995, Schmalfuss 2003, 2008a.

216. *Schizidium album* (Sfenthourakis, 1995)

{*Paraschizidium a.* Sfenthourakis, 1995}

Endemic to Naxos, Amorgos, Ikaria and Ananes islands. White, no pigmentation. Endogean, under deeply buried stones at humid sites near streams or in phrygana.

Literature: Sfenthourakis 1994, 1995, Schmalfuss 2003, 2008a.

217. *Schizidium atticum* (Sfenthourakis, 1992)

{*Paraschizidium a.* Sfenthourakis, 1992}

Endemic to Attiki, north of Keratea. Endogean. Humid sites, under stones, inside *Pinus* woodland.

Literature: Sfenthourakis 1992, Schmalfuss 2003, 2008a.

218. *Schizidium beroni* Schmalfuss, 2005

Endemic to cave Zoodochos, Santorini isl. Eyes reduced. Without pigmentation.

Literature: Schmalfuss 2003, 2005a, 2008a.

219. *Schizidium delmastroi* Schmalfuss, Paragamian & Sfenthourakis, 2004

Endemic to Kandanos, W Kriti. Known from only one specimen, white, without pigmentation. Probably cavernicolous, but found outside a cave.

Literature: Schmalfuss *et al.* 2004, Schmalfuss 2005a, 2008a.

220. *Schizidium falkonerae* (Sfenthourakis, 1995)

{*Paraschizidium falkonerae* Sfenthourakis, 1995}

Endemic to Falkonera isl. Well pigmented, brown with yellowish patches. Endogean, un-

der stones in phrygana.

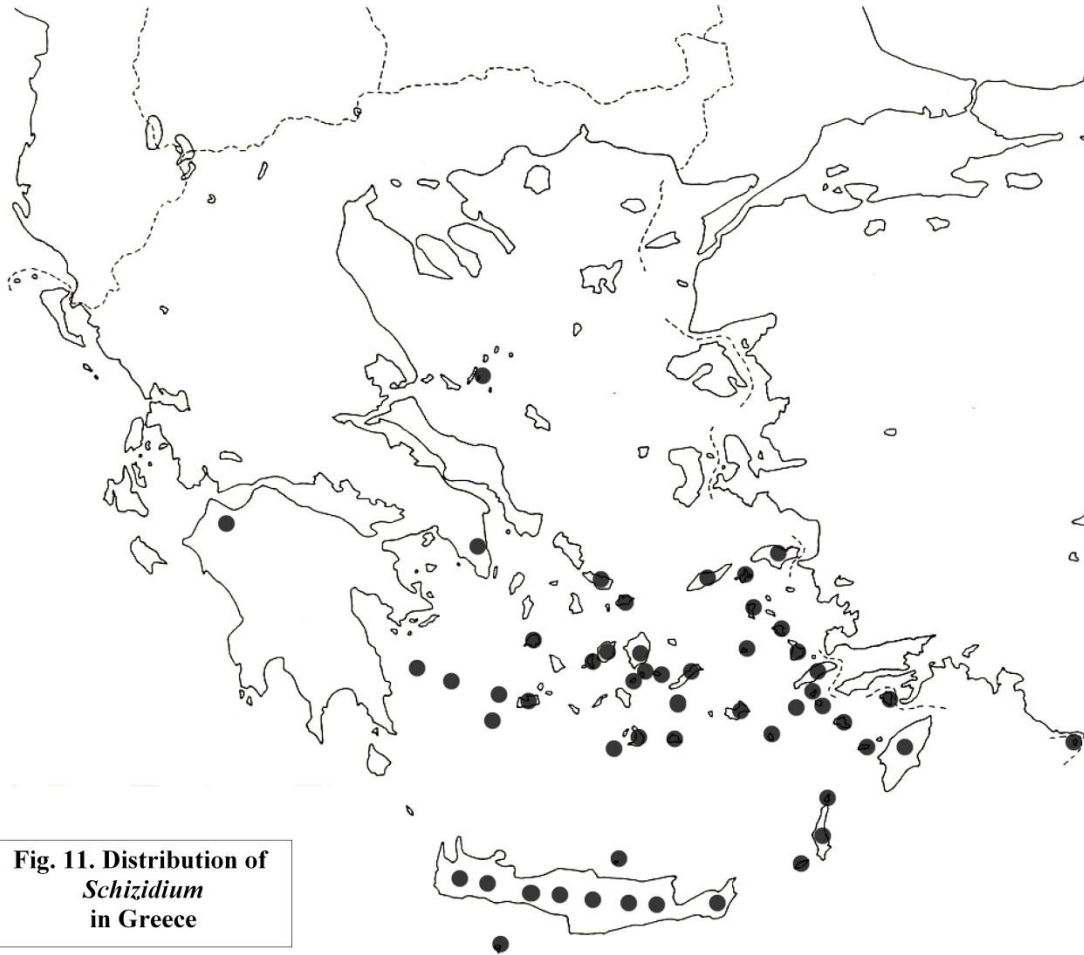
Literature: Sfenthourakis 1994, 1995, Schmalfuss 2003, 2008a.

221. *Schizidium graecum* (Schmalfuss, 1981)

{*Paraschizidium graecum* Schmalfuss, 1981 }

Endemic to Lechousa isl., N Sporades. Endogean, with eyes reduced. Without pigmentation.

Literature: Schmalfuss 1981, 2003, 2008a.



222. *Schizidium hybridum* (Budde-Lund, 1896)

Astipalaia, Anafi, Santorini, Samos, Kos, Kalimnos, Leros, Patmos, Nisiros, Gyali, Simi, Rodos, Tilos, Chalki, Kastelorizo, Karpathos, Kasos, Saria, Gavdos, Kriti, and islets Levitha, Kinaros, Pergusa, Sirna and Tria Nisia. Also at SW Turkey. Epigeal, in maquis and phrygana, under stones. Coloration usually bluish-grey. Sometime found syntopically with *S. oertzenii*.

Literature: Sfenthourakis 1994, Schmalfuss *et al.* 2004, Schmalfuss 1979b, 2003, 2005a, 2008a.

The terrestrial isopods of Greece

223. *Schizidium levithae* (Sfenthourakis, 1995)

{*Paraschizidium l.* Sfenthourakis, 1995}

Endemic to Kos and Levitha islands. Coloration white, with no pigmentation. Blind (with no ommatidia). Endogean, under stones at humid sites in maquis.

Literature: Sfenthourakis 1994, 1995, Schmalfuss 2003.

224. *Schizidium oertzenii* (Budde-Lund, 1896)

Endemic to Aegean islands of Naxos, Paros, Antiparos, Irakleia, Kato and Ano Koufonisi, Keros, Milos, Serifos, Anidros, Amorgos, Rodos, Tilos, Chalki, Karpathos, Saria, Kasos and Armathia,. Epigean, in maquis and phrygana, under stones, sometimes syntopically with *S. hybridum*. Usually bluish-grey.

Literature: Sfenthourakis 1994, Schmalfuss 1979b, 2003, 2005a, 2008a.

225. *Schizidium paragamiani* Schmalfuss, 2005

Endemic to Furni isl. Eyes reduced, dark. Without pigmentation. Known from only one specimen.

Literature: Schmalfuss 2005a, 2008a.

226. *Schizidium perplexum* (Vandel, 1958)

{*Cretodillium p.* Vandel, 1958}

Endemic to numerous E Kriti caves. Eyes reduced. Coloration whitish, without pigmentation.

Literature: Paragamian *et al.* 1987, Schmalfuss 1979b, Schmalfuss *et al.* 2004, Schmalfuss 2003, 2005a, 2008a.

227. *Schizidium polyvotisi* Sfenthourakis, 1995

{*Paraschizidium polyvotisi* Sfenthourakis, 1995}

Endemic to Nisiros and Kandeliusa islands. Coloration brownish with yellow patches. Endogean, under rocks or inside the wet leaf-litter of *Quercus* sp.

Literature: Sfenthourakis 1994, 1995, Schmalfuss 2003.

228. *Schizidium schmalfussi* Sfenthourakis, 1992

Endemic to Dia isl., on the northern coast of Kriti. Epigean, pigmented, under stones at maquis. Coloration dark-grey. Close to *S. hybridum*.

Literature: Sfenthourakis 1992, Schmalfuss *et al.* 2004, Schmalfuss 2003, 2005a, 2008a.

229. *Schizidium tinum* Sfenthourakis, 1995

Endemic to Tinos isl. Coloration light brown, almost white. On the banks of small streams, inside the leaf-litter of *Nerium oleander* and other hygrophilic plants or under stones buried in the wet humus. Intermediate between epigean and endogean.

Literature: Sfenthourakis 1994, 1995, Schmalfuss 2003, 2005a, 2008a.

230. *Schizidium* sp.

Endemic to Mt Panachaiko, Peloponnisos. Endogean. Eyes reduced. Pigmentless.

Literature: Schmalfuss 2008a.

231. *Schizidium* sp., aff. *tinum*

Endemic to Velopoula isl. Endogean. Related and similar to *S. tinum*, but blind (without ommatidia) and without coloration. Under stones deeply buried in the ground in maquis and phrygana.

Literature: Sfenthourakis 1995, Schmalfuss 2008a.

Genus: *Trichodillidium* Schmalfuss, 1989

(Fig. 13)

Genus endemic to Greece. Medium-sized animals, able to conglobate, body covered with long hairs.

232. *Trichodillidium malickyi* Schmalfuss, 1989

Endemic to Andros isl. Hygrophilic, in wet leaf litter of hygrophilous plants at banks of streams.

Literature: Sfenthourakis 1994, Schmalfuss 1989b, 2003.

233. *Trichodillidium mylonasi* Schmalfuss, Paragamian & Sfenthourakis, 2004

Endemic to Kourtaliotiko gorge, Kriti. Coloration brownish. Close to running water.

Literature: Schmalfuss *et al.* 2004.

234. *Trichodillidium pubescens* (Strouhal, 1956)

{*Armadillidium* p. Strouhal 1956}

Endemic to Ipeiros (Platanoussa) and islands Kerkira and Paxi.

Literature: Schmalfuss 1989b, 2003.

Family: **Armadillidae**

[1 genus/ 2 species]

Genus: *Armadillo* Latreille, 1802

A genus of the Mediterranean region and western Asia.

235. *Armadillo officinalis* Duméril, 1816

All around Greece. Coastal places of Mediterranean.

Literature: Sfenthourakis 1993, 1994, Schmalfuss 1979b, 2003, Schmalfuss *et al.* 2004.

236. *Armadillo tuberculatus* Vogl, 1876

C and S Aegean islands (Andros, Kea, Kithnos, Siros, Tinos, Naxos, Anafi, Astipalaia, Ikaria, Kithira, Antikithira, Kriti, Dia, Paximadia, Kasos, Karpathos, Saria, Armathia, Kandeliousa, Sirina, Megalo Zafrano, Ophidousa and Kastelorizo) and SW Turkey. Body covered with tubercles. Often found sympatrically with *A. officinalis*. Widely polymorphic, with a differing morphotype in almost every island. Almost exclusively in sites with limestone.

Literature: Sfenthourakis 1993, 1994, Schmalfuss 1979b, 2003, Schmalfuss *et al.* 2004, Kamilari & Sfenthourakis 2009.

The terrestrial isopods of Greece

Family: **Scleropactidae**
[2 genera/ 2 species]

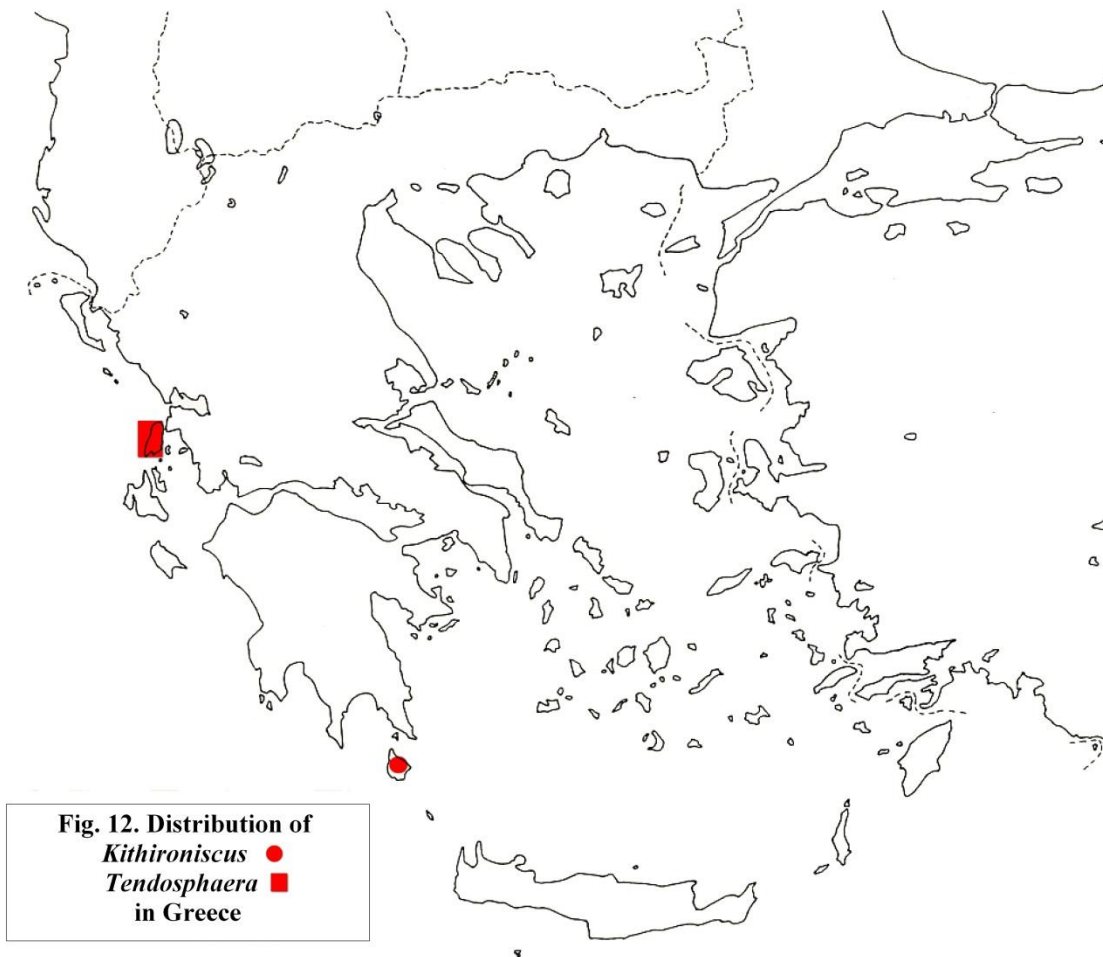
Genus: *Kithironiscus* Schmalzfuss, 1995
(Fig. 12)

Not a monotypic genus endemic to Greece any more. A second species was recently described from Romania (Giurginca & Ćurčić 2003).

237. *Kithironiscus paragamiani* Schmalzfuss, 1995

Endemic to cave Agia Sophia, Kithira isl.

Literature: Schmalzfuss 1995, 2003.



Parnassiana Archives 1

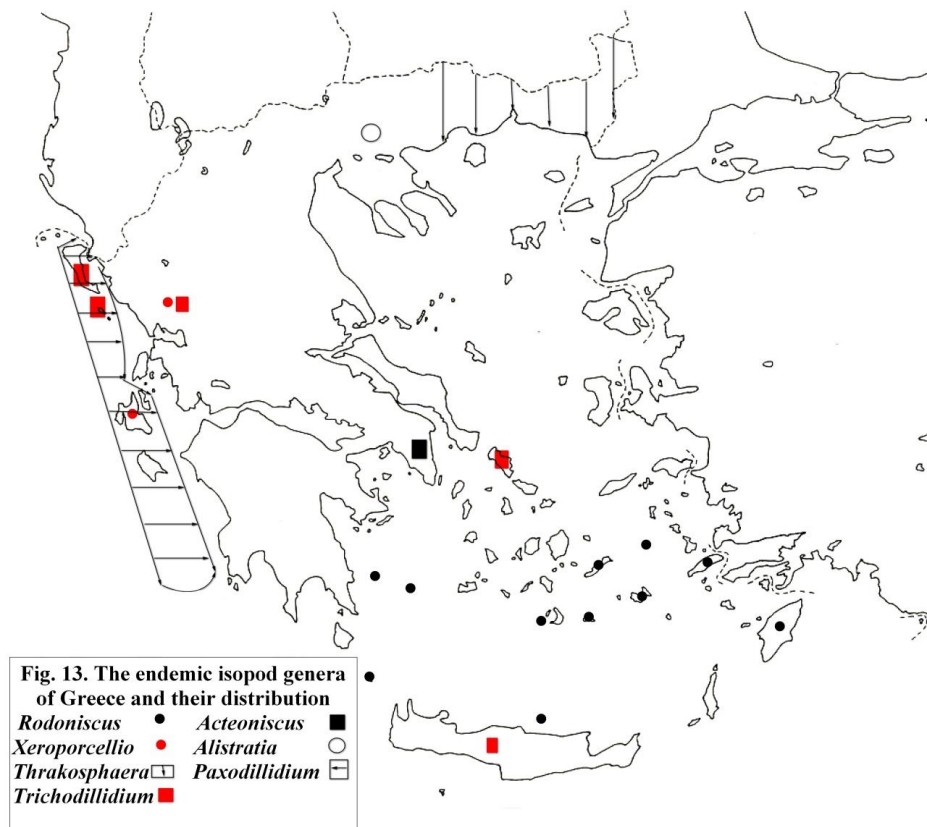
Genus: *Xeroporcellio* Strouhal, 1954
(Fig. 13)

Monotypic genus.

238. *Xeroporcellio pandazisi* Strouhal, 1954
{*Kefalloniscus hauseri* Schmalfuss 1986}
Endemic to Ipeiros (Platanousa) and Kefalonia isl.
Literature: Schmalfuss 1979b, 1995, 2003.

Table 2. The endemic isopod genera of Greece and their distribution

1. <i>Acteoniscus</i> Vandel, 1955	cave Keratea
2. <i>Alistratia</i> Andreev, 2004	cave Alistrati
3. <i>Paxodillidium</i> Schmalfuss, 1985	Ionian islands
4. <i>Trichodillidium</i> Schmalfuss, 1989	NW mainland, Kerkira, Paxi, Andros, Kriti
5. <i>Xeroporcellio</i> Strouhal, 1954	Platanousa, Kefalonia isl.
6. <i>Thrakosphaera</i> Schmalfuss, 1998	NE mainland
7. <i>Rodoniscus</i> Arcangeli, 1934	S Aegean islands



3. Conservation interest

Species with very restricted local occurrence (1 location), species for which there is evidence for declining populations and/or habitat impoverishment have been included in the Red Data Book of the threatened animals of Greece (Σφενδουράκης 2009), after evaluation according to IUCN's criteria. In particular, 47 species have been included, 41 of which as Critically Endangered, 2 as Endangered and 4 as Vulnerable. A total of 35 of these species are troglobitic. Detailed data on actual population trends for these species are urgently needed. The genera included are: *Cordioniscus* (9 species), *Graeconiscus* (9), *Schizidium* (9), *Alpioniscus* (5), *Armadillidium* (3), *Platanosphaera* (3), *Trichodillidium* (2), *Acteoniscus* (1), *Alistratia* (1), *Buddelundiella* (1), *Hyloniscus* (1), *Kithroniscus* (1), *Porcellionides* (1), *Trichoniscus* (1). Most threatened species occur on Kriti (11) and in Peloponnisos (7-including Kithira isl.).

4. Acknowledgements

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The terrestrial isopods of Greece

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The terrestrial isopods of Greece

INDEX OF GENERA

- Acteoniscus* 10
Agabiformius 26
Alistratia 10
Alpioniscus 10
Armadillidium 32
Armadillo 43
Armadilloniscus 16
Bathytropa 16
Buddelundiella 11
Chaetophiloscia 17
Cordioniscus 8
Cylisticus 31
Echinarmadillidium 38
Graeconiscus 11
Halophiloscia 19
Haplophthalmus 13
Hyloniscus 13
Kithironiscus 44
Lepidoniscus 18
Leptotrichus 27
Libanonethes 14
Ligia 6
Ligidium 6
Monocyphoniscus 14
Nagurus 20
Orthometopon 23
Paxodillidium 39
Philoscia 18
Platanosphaera 39
Platyarthrus 25
Porcellio 28
Porcellionides 30
Porcellium 20
Proporcellio 30
Protracheoniscus 25
Rodoniscus 26
Schizidium 40
Stenoniscus 15
Stenophiloscia 19
Tendosphaera 26
Thrakosphaera 26
Trachelipus 21
Trichodillidium 43
Trichonethes 14
Trichoniscus 14
Tylos 8
Xeroporcellio 45