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## Diversity of marine Amphipods (Crustacea, Peracarida) from the North African shelf of the Mediterranean Sea (Morocco, Algeria, Tunisia, Libya, Egypt). An updated checklist for 2023

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### Abstract

An updated checklist for 2023 is given for the amphipods recorded on the continental shelf of five countries in North Africa bordering the southern Mediterranean Sea: Morocco, Algeria, Tunisia, Libya and Egypt. This revision incorporates the checklist of amphipods from two countries, Algeria and Tunisia and provides the first checklists for Morocco, Libya and Egypt. The total number of species recorded in the entire Southern Mediterranean Sea is 454. The number of species is much higher in the western basin than in the eastern or central parts of the Mediterranean Sea. The Algerian fauna accounts for the highest number of species (with 342), while the lowest is found in Egypt (with 100). The other checklists are for Morocco (241 species), Tunisia (167 species) and Libya (138 species). Among the 454 species making up the overall checklist, 95 species (21%) are considered as endemic to the Mediterranean Sea. The Caprellidae Leach, 1814 represent the most diversified family with 34 species. Five other families account 20 species or more, i.e., the Ampeliscidae Krøyer, 1842 (33 species), the Aoridae Stebbing, 1899 (25 species), the Ischyroceridae Stebbing, 1899 (21 species), the Corophiidae Leach, 1814 (21 species) and the Maeriidae Krapp-Schickel, 2008 (20 species). Only 15 species are non-indigenous species or cryptogenic species. There is a trend of decreasing diversity of benthic amphipods from the western to the eastern parts of the Southern Mediterranean Sea; the greatest number of pelagic amphipod species has been observed in the Egyptian coast. Only eight species have been reported from abyssal depths off the Algerian coast. Twenty-seven species were found along the entire North African coast, including four *Ampelisca* (*A. brevicornis*, *A. diadema*, *A. tenuicornis* and *A. typica*), four Maeriidae (*Elasmopus pocillimanus*, *E. rapax*, *Maera grossimana* and *Quadrimaera inaequipes*) and three Lysianassidae (*Lysianassa costae*, *L. pilicornis*, and *Lysianassina longicornis*). Future research should be focused on deep-sea habitats, on specific or unexplored habitats such as seagrass meadows (*Posidonia oceanica*, *Zostera* spp. and *Cymodocea nodosa*) and coralligenous formations as well as on the south-eastern part of the Mediterranean Sea.

**Keywords:** Amphipods; inventory; non-indigenous species; new records; Morocco; Algeria; Tunisia; Libya; Egypt.

### Introduction

The Mediterranean Sea is recognized as a hot spot of marine biodiversity (Coll *et al.*, 2010). For the late years 2000', Coll *et al.* (2010) reported 10,902 invertebrate marine species, including 2,239 crustacean species, of which 881 belong to the Peracarida (8% of the diversity).

The total number of marine, brackish, freshwater and terrestrial species of amphipods is slightly less than 10,000 (Arfianti *et al.*, 2018). Among them, about 8000 are marine benthic species, while the number of marine pelagic species is lower and accounts for about 300 species.

For the Mediterranean Sea, the most diversified Peracarida group is the Amphipoda with 466 species

(Bellan-Santini & Ruffo, 2003), while other Peracarida account for 415 species (165 Isopoda, 102 Mysida, 99 Cumacea, 43 Tanaidacea and only six Lophogastrida) (Coll *et al.*, 2010).

Benthic amphipods are distributed from the supralittoral to the hadal zones, but most of them live on the continental shelf from 0 to 200 m depth (Barnard & Karaman, 1991). They are keystone organisms, often representing the dominant component among the benthic macroinvertebrates, along with the polychaetes and the molluscs, and play a crucial role in marine food webs in which they act as secondary producers, consumers and a food source for various predators.

On the basis of knowledge acquired up to 1998, Bel-

Ian-Santini & Ruffo (2003) reported that the Mediterranean benthic amphipod fauna consists of 466 species. When an inventory of the Amphipoda of the Mediterranean Fauna was first drawn up in 1971, only 270 identified Mediterranean Amphipoda were recorded (Ruffo, 1998). Moreover, Coll *et al.* (2010) pointed out that the diversity was probably still underestimated and incomplete mainly in some southern parts of the Mediterranean Sea as well as in the deeper parts of the eastern basin; this gap in our knowledge concerned mostly the coasts of North Africa (Morocco, Algeria, Tunisia, Libya and Egypt).

For these countries bordering the Southern Mediterranean Sea, the first marine amphipod inventory was provided by Chevreux (1911) for the Algerian and Tunisian coasts. Later, several inventories were published for both of these countries. Bakalem & Dauvin (1995), Grimes *et al.* (2009) and Bakalem *et al.* (2014) compiled an inventory of the marine amphipods of the Algerian coast. Similarly, Zakhama-Sraieb *et al.* (2009, 2017) had listed the Amphipod diversity of the Tunisian coasts. The studies of Tiganus (1994) and Ortiz & Petrescu (2007) reported a list of marine amphipods recorded along the Libyan coast, while Schellenberg (1936), Atta (1985, 1988) and Abdelsalam & Zakaria (2023) gave a list of marine benthic and pelagic species found along the Egyptian coast. In Morocco, two lists were drawn up on marine amphipods: a first list in 1986 (Menioui & Bayed, 1986), which only concerns Atlantic amphipoda and a second list relating to all the marine fauna of Morocco (Menioui, 1998). This latter list includes all the amphipods recorded in Morocco, but no specific list has yet been established for Mediterranean amphipoda. In addition to these two checklists, there is the list of amphipods drawn up by Marti (1997) for the Chafarinas Islands, a Spanish enclave on the North African coast of Morocco.

Considering that some of the data are ancient, and since there is no complete inventory of marine amphipods from the southern part of the Mediterranean Sea, the main aim of this paper is to give an up-to-date amphipod checklist for the five countries bordering the Southern Mediterranean Sea. The second objective is to compare this checklist with the Northern Mediterranean and neighbouring seas.

## Materials and Methods

### *Amphipod inventory method and data sources*

In this paper, we only report the marine amphipods recorded from the supralittoral and mediolittoral zones, shallow waters including lagoons to the continental shelf depth. To our knowledge, the available information on amphipods in the bathyal and abyssal zones off the North African Mediterranean coast is limited to Bellan-Santini study (1985); this information on deep amphipods is treated in a separate section of this checklist.

All available scientific papers (fauna, taxonomic and ecological studies) as well as the grey literature on the Internet have been checked to access the amphipod lists for

each country included in the present study (see Appendix A, references per country from Morocco in the west to Egypt in the east of the Southern Mediterranean Sea).

The World Register of Marine Species (WoRMS Editorial Board, 2023) was used to update data from the literature, available from <http://www.marinespecies.org> at VLIZ (accessed on 22 September 2023, doi:10.14284/170).

The list is arranged in alphabetical order of the name of the families. The amphipod classification has been revised several times over the two last decades (see <http://www.marinespecies.org>) and, with a view to comparing the present checklist to the ancient checklist, a number of species have been amalgamated under the ancient classification: Caprellidea, Gammaridea, Ingolfiellidea and Hyperiididae.

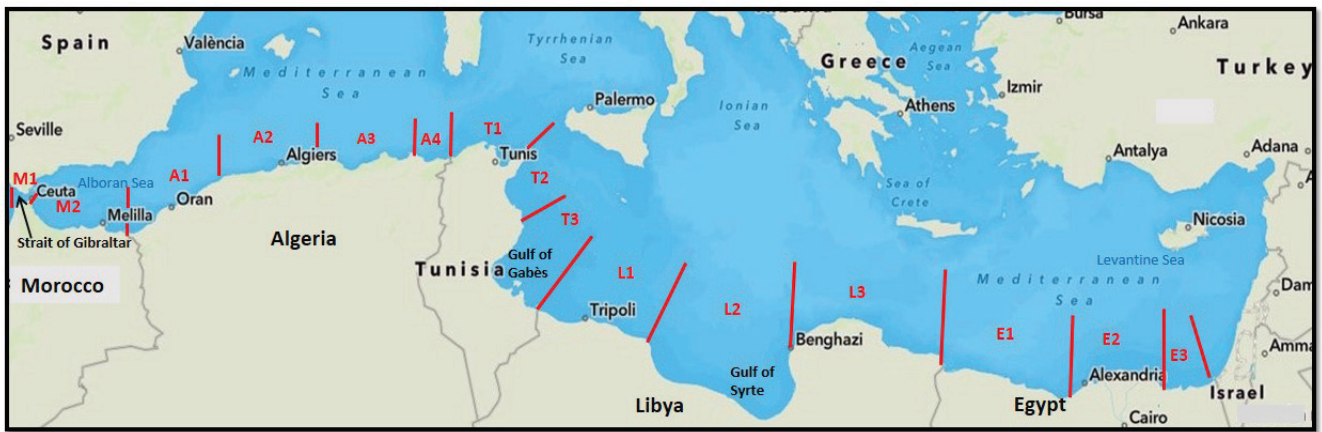
The checklist mainly reports taxa that are identified at a species level; nevertheless, if, for a given country there are no identified species at a species level in a genus, the taxon sp. is listed and accounted for in the total number of species recorded for that country.

### *Geographical sectors*

In this study covering five countries from Morocco to Egypt, 15 sectors are selected in relation to the influence of the Atlantic Ocean (Fig. 1).

In the case of Morocco, two sectors are defined: Strait of Gibraltar (M1) from Cap Spartel to Punta Almina Lighthouse (including Ceuta Spanish area) and the rest of the eastern Mediterranean Moroccan coast (M2) from Punta Almina Lighthouse to Algerian border (including Mellila Spanish area) (Bitar, 1987; Menioui, 1988; Menioui & Ruffo, 1988). For Algeria, four sectors (A1, A2, A3 and A4) have been defined by Dauvin *et al.* (2013): sector 1 from Ghazaouet to Cape Tenes; sector 2, from Cape Tenes to Azzefoun; sector 3 from Azzefoun to Cape Garde; sector 4, from Cape Garde to El Kala. Three sectors (T1, T2 and T3) are taken into account for Tunisia: sector 1 from the Algerian border to Cape Bon (Northern sector), from Cape Bon to Chebba (eastern sector or Hammamet Gulf) and from Chebba to the Libyan border (southern sector or Gabès Gulf) (Afli *et al.*, 2005). For Libya, three sectors (L1, L2 and L3) are taken into account: sector 1 from the Tunisian border to Misrata, sector 2 from Misrata to Benghazi (Syrtic Gulf) and sector 3 from Benghazi to the Egyptian border (IUCN, 2011). Three sectors (E1, E2 and E3) are also identified for Egypt: sector E1, from the Libyan border to Marina El Alamein; sector 2, from Marina El Alamein to Lake Bardawil (Delta sector); sector E3, from Lake Bardawil to the Gaza border (Sinai sector) (Fouad, 2017).

The aim of this study is to draw up a complete checklist of the amphipods of the North continental shelf African coast, i.e., the southern shore of the Mediterranean Sea. In the Alboran Sea, along the North African coast of Morocco, there are Spanish territories or enclaves, in particular Ceuta, Melilla and the Chafarinas Island. Due to their geographical location, i.e., on the North African



**Fig. 1:** Limits of the 15 sectors for the five countries bordering the Southern Mediterranean Sea.

coast, the amphipods recorded in these enclaves had been included in our study, as they are linked biogeographically to the nearest North African coast, i.e., the Moroccan Mediterranean coast. Ceuta is included in sector M1, and Melilla and the Chafarinas Islands in sector M2. On the list of Moroccan amphipods (Appendix B Morocco), in the “First signalisation” column, the name of authors whose works has been carried out in the Spanish enclaves of North Africa is in bold.

The coasts of Morocco, Algeria and sector 1 of Tunisia are geographically located in the western Mediterranean Sea; sectors 2 and 3 of Tunisia, and sectors 1 and 2 of Libya correspond to the central Mediterranean Sea, while sector 3 of Libya and all of the Egyptian coast belong to the eastern Mediterranean Sea (Galanidi *et al.*, 2023).

### Statistical analyses

Hierarchical Cluster Analysis (HCA) was carried out on the Presence/Absence of the amphipod species recorded in the geographical sectors defined above, based on Sorensen’s coefficient and the construction of dendrograms using the group average algorithm generated from the PRIMER V6 software (Clarke & Gorley, 2006). As one of the Egyptian sectors (E3) had no data on amphipods due to the lack of research or prospecting in this area, and the number of amphipods is very low in sector L1 of Libya and sector E1 of Egypt, the HCA was performed only on the 12 sectors with substantial numbers of amphipods.

## Results

### Number of species

A total of 454 species were recorded along the North African coast of the Southern Mediterranean Sea (Table 1 and Appendix B, supplementary material). The Algerian fauna accounts for the highest number of species, with 342 species, while the lowest number is 100 for Egypt. The other inventories give 241 species for Morocco, 167 species for Tunisia and 138 species for Libya.

There is a high disparity between the sectors, the num-

ber of amphipod species being comprised between 0 (no amphipods recorded in the Egyptian sector 3) and 279 species in sector A2 of Algeria, while the poorest sector accounts for 9 species, again in the Egyptian sector E1; only two sectors A1 and A2 on the western coast of Algeria yield more than 200 species, while six other sectors from Morocco (M1, M2), Algeria (A3, A4) and Tunisia (T1 and T3) account for between 107 and 172 species; the rest of the sectors account for 71 to 100 species: sector T2 in Tunisia, the eastern coast of Libya (L2 and L3) and sector E2 in Egypt.

Among the 454 species inventoried, 27 species were found in all the sectors, i.e., in all the North African coast: *Ampelisca brevicornis* (A. Costa, 1853), *A. diadema* (A. Costa, 1853), *A. tenuicornis* Liljeborg, 1856, and *A. typica* (Spence Bate, 1857), *Apolochus neapolitanus* (Della Valle, 1893), *Ampithoe ramondi* (Chevreux, 1901), *Microdeutopus gryllotalpa* A. Costa, 1853, *Nototropis guttatus* (A. Costa in Hope, 1851), *Caprella acanthifera* Leach, 1814, *Pseudoprotella phasma* (Montagu, 1804), *Leptocheirus guttatus* (Grube, 1864), *Leptocheirus pectinatus* (Norman, 1869), *Dexamine spinosa* (Montagu, 1813), *Apohyale perieri* (Lucas, 1846), *Protohyale (Protohyale) schmidtii* (Heller, 1866), *Erichthonius brasiliensis* (Dana, 1853), *Leucothoe spinicarpa* (Abildgaard, 1789), *Lysianassa costae* H. Milne Edwards, 1830, *Lysianassa pilicornis* Heller, 1866, *Lysianassina longicornis* (Lucas, 1846), *Elasmopus pocillimanus* (Spence Bate, 1862), *Elasmopus rapax* A. Costa, 1853, *Maera grossimana* (Montagu, 1808), *Quadrimeaera inaequipes* (A. Costa in Hope, 1851), *Gammarella fucicola* (Leach, 1814), *Pontocrates arenarius* (Spence Bate, 1858), *Orchestia gammarellus* (Pallas, 1766). The families Ampeliscidae and Maeridae (four species each) and Lysianassidae (three species) were the highest represented in this group of species common to all countries.

Among these 454 species, 101 species (23%) are considered as endemic to the Mediterranean Sea (Table 1). They are distributed between 40 families, with 16 families comprising one species each and the Ampeliscidae and Aoridae, each with eight species, representing the highest number of endemic species.

Fifteen species are Non-Indigenous Species (NIS) or cryptogenic species; one of these species has been recorded in Libya and nine in Morocco and Tunisia (Table 2).



**Table 1.** Total checklist of the 454 amphipods from the 14 geographical regions of five countries bordering the Southern Mediterranean Sea (without sector E3 where has no recorded amphipod species), classified per alphabetical names of the families. See Figure 1 for location of the sectors. Species with an asterisk \*: endemic species to the Mediterranean Sea.

	Morocco		Algeria				Tunisia			Libya			Egypt	
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<b>Acidostomatidae Stoddart &amp; Lowry, 2012</b>														
<i>Acidostoma obesum</i> (Spence Bate, 1862)		1		1								1		
<b>Ampeliscidae Krøyer, 1842</b>														
<i>Ampelisca anophthalma</i> Bellan-Santini & Kaim-Malka, 1977		1												
<i>Ampelisca antennata</i> Bellan-Santini & Kaim-Malka, 1977*			1	1	1									
<i>Ampelisca brevicornis</i> (A. Costa, 1853)	1	1	1	1	1	1	1		1			1	1	
<i>Ampelisca calypsonis</i> Bellan-Santini & Kaim-Malka, 1977			1	1										
<i>Ampelisca dalmatina</i> Karaman, 1975			1	1	1									
<i>Ampelisca diadema</i> A. Costa, 1853)	1		1	1	1	1	1		1			1	1	
<i>Ampelisca gibba</i> G.O. Sars, 1883			1	1	1	1						1		
<i>Ampelisca jaffaensis</i> Bellan-Santini & Kaim-Malka, 1977*			1	1										
<i>Ampelisca latifrons</i> Schellenberg, 1925		1												
<i>Ampelisca ledoyeri</i> Bellan-Santini & Kaim-Malka, 1977*			1	1	1									
<i>Ampelisca massiliensis</i> Bellan-Santini & Kaim-Malka, 1977			1	1										
<i>Ampelisca melitae</i> Dauvin & Bellan-Santini, 1985*								1						
<i>Ampelisca multispinosa</i> Bellan-Santini & Kaim-Malka, 1977		1	1	1	1									
<i>Ampelisca planierensis</i> Bellan-Santini & Kaim-Malka, 1977*			1	1										
<i>Ampelisca provincialis</i> Bellan-Santini & Kaim-Malka, 1977			1	1										
<i>Ampelisca pseudosarsi</i> Bellan-Santini & Kaim-Malka, 1977			1	1	1									
<i>Ampelisca pseudospinimana</i> Bellan-Santini & Kaim-Malka, 1977			1	1	1									
<i>Ampelisca remora</i> Bellan-Santini & Dauvin, 1986		1												
<i>Ampelisca rubella</i> A. Costa, 1864	1	1	1	1	1		1	1	1		1	1		
<i>Ampelisca ruffoi</i> Bellan-Santini & Kaim-Malka, 1977		1	1	1										
<i>Ampelisca sarsi</i> Chevreux, 1888		1	1	1	1						1	1		
<i>Ampelisca serraticaudata</i> Chevreux, 1888	1		1	1	1	1	1		1					1
<i>Ampelisca spinifer</i> Reid, 1951		1	1	1										
<i>Ampelisca spinimana</i> Chevreux, 1887			1	1	1									
<i>Ampelisca spinipes</i> Boeck, 1861	1		1	1	1	1	1	1	1			1		
<i>Ampelisca tenuicornis</i> Liljeborg, 1856		1	1	1	1	1	1		1		1	1		1
<i>Ampelisca truncata</i> Bellan-Santini & Kaim-Malka, 1977*			1	1	1									
<i>Ampelisca typica</i> (Spence Bate, 1857)		1	1	1	1	1	1		1		1	1		1
<i>Ampelisca unidentata</i> Schellenberg, 1936			1	1				1	1	1				1
<i>Ampelisca vervecei</i> Bellan-Santini & Kaim-Malka, 1977*			1	1										
<i>Byblis guernei</i> Chevreux, 1887														1
<i>Haploops dellavallei</i> Stebbing, 1893*			1	1							1	1		
<i>Haploops nirae</i> Kaim-Malka, 1976				1										
<b>Amphilochidae Boeck, 1871</b>														
<i>Amphilochoides longimanus</i> (Chevreux, 1888)				1				1						
<i>Amphilochoides serratipes</i> (Norman, 1869)				1		1	1							
<i>Apolochus brunneus</i> (Della Valle, 1893)				1	1	1					1	1		
<i>Apolochus neapolitanus</i> (Della Valle, 1893)	1	1		1	1	1	1	1	1		1	1		1

Continued

Table 1 continued

	Morocco		Algeria				Tunisia			Libya			Egypt	
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Apolochus picadurus</i> (J.L. Barnard, 1962)	1													
<i>Gitana longicarpus</i> Ledoyer, 1977*				1										
<i>Gitana sarsi</i> Boeck, 1871		1			1	1				1				
<b>Ampithoidae Boeck, 1871</b>														
<i>Ampithoe ferox</i> (Chevreux, 1901)	1	1	1	1										
<i>Ampithoe ramondi</i> (Chevreux, 1901)	1	1	1	1	1	1	1	1	1	1				1
<i>Ampithoe riedli</i> Krapp-Schickel, 1968*		1		1			1	1	1					
<i>Ampithoe rubricata</i> Della Valle, 1893	1									1	1			1
<i>Biancolina algicola</i> Della Valle, 1893						1								
<i>Cymadusa crassicornis</i> (A. Costa, 1853)		1		1						1				
<i>Cymadusa filosa</i> Savigny, 1816							1	1	1	1		1	1	1
<i>Pleonexes gammaroides</i> Spence Bate, 1857				1	1					1				1
<i>Pleonexes helleri</i> (Karaman, 1975)	1	1	1	1	1	1	1	1	1					1
<i>Sunamphitoe pelagica</i> (H. Milne Edwards, 1830)	1	1		1	1				1					
<b>Aoridae Stebbing, 1899</b>														
<i>Aora gracilis</i> (Spence Bate, 1857)	1		1	1	1	1	1	1	1					
<i>Aora spinicornis</i> Afonso, 1976	1		1	1					1	1				
<i>Aora typica</i> Krøyer, 1845		1												1
<i>Autonoe angularis</i> (Ledoyer, 1970)*				1									1	
<i>Autonoe hirsutipes</i> (Stebbing, 1895)				1										
<i>Autonoe karamani</i> (Myers, 1976)*				1										
<i>Autonoe rubromaculatus</i> (Ledoyer, 1973)*				1										
<i>Autonoe spiniventris</i> Della Valle, 1893*		1	1	1	1									
<i>Autonoe viduarum</i> (Myers, 1974)*			1	1										1
<i>Bemlos leptochirus</i> (Walker, 1909)														1
<i>Lembos</i> sp.														1
<i>Lembos websteri</i> Spence Bate, 1857	1	1		1			1	1	1		1			
<i>Microdeutopus algicola</i> Della Valle, 1893		1	1	1			1	1		1				
<i>Microdeutopus anomalus</i> (Rathke, 1843)			1	1	1	1		1	1					
<i>Microdeutopus armatus</i> Chevreux, 1887		1		1										1
<i>Microdeutopus bifidus</i> Myers, 1977*				1						1				
<i>Microdeutopus chelifer</i> (Spence Bate, 1862)	1	1		1				1	1	1			1	
<i>Microdeutopus damnoniensis</i> (Spence Bate, 1857)	1	1								1			1	1
<i>Microdeutopus gryllotalpa</i> A. Costa, 1853		1	1	1				1	1	1		1	1	1
<i>Microdeutopus obtusatus</i> Myers, 1973	1	1		1										
<i>Microdeutopus similis</i> Myers, 1977*		1	1	1										1
<i>Microdeutopus sporadhi</i> Myers, 1969*				1										
<i>Microdeutopus stationis</i> Della Valle, 1893	1	1		1			1			1				
<i>Microdeutopus versiculatus</i> (Spence Bate, 1857)	1	1		1										1
<i>Tethylembos viguieri</i> (Chevreux, 1911)			1	1				1	1		1	1		
<b>Argissidae Walker, 1904</b>														
<i>Argissa hamatipes</i> (Norman, 1869)				1	1	1								

Continued

Table 1 continued

	Morocco		Algeria				Tunisia			Libya			Egypt	
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<b>Aristiidae Lowry &amp; Stoddart, 1997</b>														
<i>Aristias neglectus</i> Hansen, 1888					1									
<i>Perrierella audouiniana</i> (Spence Bate, 1857)			1	1		1					1	1		
<b>Atylidae Lilljeborg, 1865</b>														
<i>Nototropis falcatus</i> (Metzger, 1871)				1	1	1								
<i>Nototropis guttatus</i> (A. Costa in Hope, 1851)	1	1	1	1	1	1	1				1			1
<i>Nototropis massiliensis</i> (Bellan-Santini, 1975)*	1			1					1					
<i>Nototropis swammerdamei</i> (H. Milne Edwards, 1830)	1		1	1		1								1
<i>Nototropis vedlomensis</i> (Spence Bate & Westwood, 1862)	1		1	1										
<b>Bathyporeiidae d'Udekem d'Acoz, 2011</b>														
<i>Bathyporeia borgi</i> d'Udekem d'Acoz & Vader, 2005						1								
<i>Bathyporeia elegans</i> Watkin, 1938	1													
<i>Bathyporeia guilliamsoniana</i> (Spence Bate, 1857)	1	1	1	1	1	1			1					1
<i>Bathyporeia lindstromi</i> Stebbing, 1906*						1								
<i>Bathyporeia nana</i> Toulmond, 1966	1				1		1	1	1					
<i>Bathyporeia pelagica</i> (Spence Bate, 1857)											1	1		
<i>Bathyporeia phaiophthalma</i> Bellan-Santini, 1973*		1		1	1									
<i>Bathyporeia tenuipes</i> Meinert, 1877	1													
<b>Bogidiellidae Hertzog, 1936</b>														
<i>Marinobogidiella tyrrhenica</i> (Schiecke, 1979)*					1									
<i>Medigidiella chappuisi</i> Ruffo, 1952)*						1			1					
<b>Calliopiidae G.O. Sars, 1893</b>														
<i>Amphithopsis depressa</i> Schiecke, 1976*	1													
<i>Apherusa alacris</i> Krapp-Schickel, 1969	1	1											1	
<i>Apherusa bispinosa</i> (Spence Bate, 1857)		1		1		1					1			1
<i>Apherusa chiereghinii</i> Giordani- Soika, 1949*	1		1	1		1			1				1	
<i>Apherusa henneguyi</i> Chevreux & Fage, 1925		1											1	
<i>Apherusa mediterranea</i> Chevreux, 1911	1	1	1	1		1	1							
<i>Apherusa ovalipes</i> Norman & Scott, 1906											1	1		
<i>Apherusa vexatrix</i> Krapp-Schickel, 1979*					1									
<b>Caprellidae Leach, 1814</b>														
<i>Caprella acanthifera</i> Leach, 1814	1	1	1	1	1		1	1	1				1	1
<i>Caprella acanthifera discrepans</i> Mayer, 1890	1													
<i>Caprella andreae</i> Mayer, 1890					1		1	1	1					
<i>Caprella cavedinae</i> Krapp-Schickel & Vader, 1998	1													
<i>Caprella ceutae</i> Guerra-García & Takeuchi, 2002	1													
<i>Caprella danilevskii</i> Czerniavski, 1868	1	1	1	1			1							
<i>Caprella dilatata</i> Krøyer, 1843	1	1	1	1	1	1	1							1
<i>Caprella equilibra</i> Say, 1818		1	1	1			1		1					1
<i>Caprella erethizon</i> Mayer, 1901	1													
<i>Caprella fretensis</i> Stebbing, 1878	1													
<i>Caprella grandimana</i> Mayer, 1882	1	1		1			1	1	1					
<i>Caprella hirsuta</i> Mayer, 1890	1	1		1			1		1					

Continued

Table 1 continued

	Morocco		Algeria				Tunisia			Libya			Egypt	
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Caprella linearis</i> (Linnaeus, 1767)				1										
<i>Caprella liparotensis</i> Haller, 1879	1	1	1	1			1	1	1					1
<i>Caprella mitis</i> Mayer, 1890*			1	1	1	1								
<i>Caprella monai</i> Guerra-García, Sánchez-Moyano & García-Gómez, 2001	1													
<i>Caprella penantis</i> Leach, 1814	1	1		1			1							1
<i>Caprella rapax</i> Mayer, 1890				1										
<i>Caprella sabulensis</i> Guerra-García, Sánchez-Moyano & García-Gómez, 2001	1													
<i>Caprella santosrosai</i> Sanchez-Moyano, Jimenez-Martin & Garcia-Gomez, 1995	1													
<i>Caprella scaura</i> Templeton, 1836	1	1					1		1					
<i>Caprella takeuchii</i> Guerra-García, Sánchez-Moyano & García-Gómez, 2001	1													
<i>Caprella tuberculata</i> Guérin-Meneville, 1836	1													
<i>Deutella shieckei</i> Cavedini, 1982*				1			1		1					
<i>Liropus elongatus</i> Mayer, 1890*			1		1									
<i>Paracaprella pusilla</i> Mayer, 1890									1					
<i>Pariambus typicus</i> (Krøyer, 1845)	1			1										
<i>Parvipalpus linea</i> Mayer, 1890*				1										
<i>Parvipalpus major</i> Carausu, 1941*	1													
<i>Pedoculina garciagomezi</i> Sanchez-Moyano, Carballo & Estacio, 1995	1													
<i>Phtisica marina</i> Slabber, 1769	1	1	1	1	1	1			1		1	1		
<i>Pseudolirius kroyeri</i> (Haller, 1879)*			1	1	1	1	1							
<i>Pseudoprotella inermis</i> Chevreux, 1920	1													
<i>Pseudoprotella phasma</i> (Montagu, 1804)	1	1	1	1			1	1	1	1		1		1
<b>Carangoliopsidae Bousfield, 1977</b>														
<i>Carangoliopsis</i> sp.1														1
<i>Carangoliopsis</i> sp. 2														1
<b>Cheirocratidae d'Udekem d'Acoz, 2010</b>														
<i>Cheirocratus assimilis</i> (Lilljeborg, 1852)				1	1	1			1					
<i>Cheirocratus intermedius</i> G.O. Sars, 1894					1	1								
<i>Cheirocratus monodontis</i> G. Karaman, 1977*				1	1		1							
<i>Cheirocratus sundevallii</i> (Rathke, 1843)	1		1	1		1					1	1		
<i>Degocheirocratus spani</i> G. Karaman, 1985*					1									
<b>Cheluridae Allman, 1847</b>														
<i>Chelura terebrans</i> Philippi, 1839					1		1					1		1
<b>Colomastigidae Chevreux, 1899</b>														
<i>Colomastix pusilla</i> Grube, 1861	1	1	1	1		1			1					
<b>Corophiidae Leach, 1814</b>														
<i>Apocorophium acutum</i> (Chevreux, 1908)	1	1	1	1	1	1	1	1	1	1				1
<i>Corophium orientale</i> Schellenberg, 1928	1	1	1	1	1			1		1				1
<i>Corophium volutator</i> (Pallas, 1766)								1		1				1
<i>Crassikorophium bonellii</i> (H. Milne Edwards, 1830)													1	1
<i>Laticorophium baconi</i> (Shoemaker, 1934)	1	1						1	1					1
<i>Leptocheirus bispinosus</i> Norman, 1908				1	1		1		1	1		1	1	1

Continued



Table 1 continued

	Morocco		Algeria			Tunisia			Libya			Egypt		
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Leptocheirus guttatus</i> (Grube, 1864)	1	1		1	1			1	1		1	1		1
<i>Leptocheirus hirsutimanus</i> (Spence Bate, 1862)	1	1		1							1			
<i>Leptocheirus longimanus</i> Ledoyer, 1973*	1		1											
<i>Leptocheirus mariae</i> Karaman, 1973*		1		1										
<i>Leptocheirus pectinatus</i> (Norman, 1869)	1	1	1	1		1		1				1		1
<i>Leptocheirus pilosus</i> Zaddach, 1844	1	1	1	1			1				1	1		
<i>Leptocheirus tricristatus</i> (Chevreux, 1887)											1	1		
<i>Medicorophium aculeatum</i> (Chevreux, 1908)*				1	1	1								
<i>Medicorophium annulatum</i> (Chevreux, 1908)	1	1	1	1		1								
<i>Medicorophium minimum</i> (Schiecke, 1978)*					1									
<i>Medicorophium rotundirostre</i> (Stephensen, 1915)*				1	1	1								
<i>Medicorophium runcicorne</i> (Della Valle, 1893)	1	1	1	1							1			
<i>Monocorophium acherusicum</i> (A. Costa, 1853)	1	1	1	1	1	1	1	1	1					1
<i>Monocorophium insidiosum</i> (Crawford, 1937)	1	1	1	1	1		1		1					1
<i>Monocorophium sextonae</i> (Crawford, 1937)	1	1	1	1										1
<b>Cressidae Stebbing, 1899</b>														
<i>Cressa cristata</i> Myers, 1969*	1													
<i>Cressa dubia</i> (Spence Bate, 1857)											1			
<i>Cressa mediterranea</i> Ruffo, 1979*	1		1	1										
<b>Cyproideidae J.L. Barnard, 1974</b>														
<i>Peltocoxa damnoniensis</i> (Stebbing, 1885)	1													
<i>Peltocoxa gibbosa</i> (Schiecke, 1977)*	1													
<i>Peltocoxa marioni</i> Catta, 1875*	1			1		1		1	1	1	1	1	1	
<i>Peltocoxa mediterranea</i> Schiecke, 1977*	1			1										
<b>Dexaminidae Leach, 1814</b>														
<i>Dexamine spiniventris</i> (A. Costa, 1853)	1	1	1	1		1	1	1	1		1	1		
<i>Dexamine spinosa</i> (Montagu, 1813)	1	1	1	1	1	1	1	1	1				1	1
<i>Dexamine thea</i> Boeck, 1861	1		1		1						1	1		
<i>Guernea (Guernea) coalita</i> (Norman, 1868)	1	1		1		1	1	1	1			1		
<i>Tritaeta gibbosa</i> (Spence Bate, 1862)				1	1		1	1	1					1
<b>Dogielinotidae Gurjanova, 1953</b>														
<i>Marinohyaella richardi</i> (Chevreux, 1902)		1		1										
<b>Eriopisidae Lowry &amp; Myers, 2013</b>														
<i>Eriopisa elongata</i> (Bruzelius, 1859)				1		1								1
<i>Eriopisella pusilla</i> Chevreux, 1920												1		
<i>Eriopisella ruffoi</i> Marti & Villora-Moreno, 1996*		1												
<i>Psammogammarus caecus</i> Karaman, 1955					1									
<b>Eusiridae Stebbing, 1888</b>														
<i>Eusirus longipes</i> Boeck, 1861				1	1								1	
<i>Rhachotropis inermis</i> Ledoyer, 1977*					1									
<b>Gammarellidae Bousfield, 1977</b>														

Continued

Table 1 continued

	Morocco		Algeria			Tunisia			Libya			Egypt		
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Gammarellus angulosus</i> (Rathke, 1843)					1									
<b>Gammaridae Latreille, 1802</b>														
<i>Echinogammarus incertae sedis dahli</i> (Stock, 1968)*				1		1								
<i>Gammarus aequicauda</i> (Martynov, 1931)		1	1	1			1	1	1					1
<i>Gammarus chevreuxi</i> Sexton, 1913		1	1											
<i>Gammarus crinicornis</i> Stock, 1966			1	1										1
<i>Gammarus edwardsi</i> Spence Bate, 1862											1			
<i>Gammarus insensibilis</i> Stock, 1966		1					1	1	1					
<i>Gammarus lacustris</i> G.O. Sars, 1863														1
<i>Gammarus locusta</i> (Linnaeus, 1758)		1		1		1	1	1	1					1
<i>Gammarus subtypicus</i> Stock, 1966*		1	1											
<i>Marinogammarus marinus</i> (Leach, 1816)								1						
<i>Pectenogammarus foxi</i> (Schellenberg, 1928)*				1										1
<i>Pectenogammarus olivii</i> (H. Milne Edwards, 1830)				1		1		1	1	1		1		
<i>Pectenogammarus pungens</i> (H. Milne Edwards, 1840)*		1	1				1					1		
<i>Pectenogammarus stocki</i> (G. Karaman, 1970)*				1										
<i>Rhipidogammarus rhipidiophorus</i> (Catta, 1878)*				1			1	1			1		1	
<b>Haustoriidae Stebbing, 1906</b>														
<i>Haustorius algeriensis</i> Mulot, 1968*			1		1									
<i>Haustorius arenarius</i> (Slabber, 1769)		1												
<b>Hyalidae Bulyčeva, 1957</b>														
<i>Apothyale crassipes</i> (Heller, 1866)			1	1	1	1								
<i>Apothyale perieri</i> (Lucas, 1846)		1	1	1	1		1	1			1			1
<i>Apothyale prevostii</i> (H. Milne Edwards, 1830)		1		1	1	1				1				1
<i>Apothyale stebbingi</i> (Chevreux, 1888)		1	1	1			1							
<i>Hyale pontica</i> Rathke, 1836		1	1	1	1	1	1							
<i>Parhyale aquilina</i> (Costa, 1857)				1	1	1	1	1	1	1				
<i>Parhyale plumicornis</i> (Heller, 1866)								1						
<i>Protohyale (Boreohyale) camptonyx</i> (Heller, 1866)		1	1		1	1	1	1	1	1		1		
<i>Protohyale (Protohyale) dollfusi</i> (Chevreux, 1911)														1
<i>Protohyale (Protohyale) grimaldii</i> (Chevreux, 1891)				1	1	1	1	1	1	1				
<i>Protohyale (Protohyale) schmidtii</i> (Heller, 1866)		1	1	1	1	1	1	1		1			1	1
<i>Ptilohyale eburnea</i> (Krapp-Schickel, 1974)*		1												
<i>Serejohyale spinidactylus</i> (Chevreux, 1926)		1						1						
<b>Hyperiidae Dana, 1852</b>														
<i>Hyperia galba</i> (Montagu, 1813)			1											
<i>Themisto abyssorum</i> Boeck, 1871)													1	1
<i>Themisto gaudichaudii</i> Guérin, 1825													1	1
<b>Iphimediidae Boeck, 1871</b>														
<i>Coboldus nitior</i> Krapp-Schickel, 1974*					1									
<i>Iphimedia brachygnatha</i> Ruffo & Schiecke, 1979*		1			1									
<i>Iphimedia eblanae</i> Spence Bate, 1857					1						1	1		

Continued

Table 1 continued

	Morocco		Algeria				Tunisia			Libya			Egypt	
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Iphimedia gibbula</i> Ruffo & Schiecke, 1979*			1	1										
<i>Iphimedia minuta</i> G.O. Sars, 1883		1		1	1	1		1					1	
<i>Iphimedia obesa</i> Rathke, 1843								1				1	1	
<i>Iphimedia vicina</i> Ruffo & Schiecke, 1979*			1	1										
<b>Isaeidae Dana, 1852</b>														
<i>Isaea montagui</i> H. Milne Edwards, 1830			1	1	1	1						1	1	
<b>Ischyroceridae Stebbing, 1899</b>														
<i>Centraloecetes bulborostrum</i> De-la-Ossa-Carretero & Marti, 2014		1												
<i>Centraloecetes dellavallei</i> (Stebbing, 1899)		1		1	1	1								
<i>Centraloecetes kroyeranus</i> (Spence Bate, 1857)		1												
<i>Centraloecetes neapolitanus</i> (Schiecke, 1978)			1	1	1									
<i>Cerapus tubularis</i> Say, 1817												1	1	
<i>Coxischyrocerus inexpectatus</i> (Ruffo, 1959)	1	1	1					1	1	1				
<i>Erichthonius argenteus</i> Krapp-Schickel, 1993*	1			1										
<i>Erichthonius brasiliensis</i> (Dana, 1853)	1	1		1	1			1	1	1			1	1
<i>Erichthonius difformis</i> H. Milne Edwards, 1830				1				1	1	1	1			
<i>Erichthonius fasciatus</i> (Stimpson, 1853)		1												
<i>Erichthonius punctatus</i> (Spence Bate, 1857)		1	1	1	1	1								
<i>Erichthonius rubricornis</i> (Stimpson, 1853)		1												
<i>Ischyrocerus anguipes</i> Krøyer, 1838		1												
<i>Jassa falcata</i> (Montagu, 1808)	1	1	1	1	1	1								1
<i>Jassa marmorata</i> Holmes, 1905	1	1		1	1			1						1
<i>Jassa slatteryi</i> Conlan, 1990		1												
<i>Jassa</i> sp.													1	1
<i>Microjassa cumbrensis</i> (Stebbing & Robertson, 1891)	1			1				1	1	1				
<i>Parajassa pelagica</i> (Leach, 1814)		1												
<i>Plumulojassa ocia</i> (Spence Bate, 1862)	1	1		1										
<i>Siphonoecetes sabatieri</i> Rouville, 1894	1		1	1	1							1	1	
<b>Kamakidae Myers &amp; Lowry, 2003</b>														
<i>Cerapopsis longipes</i> Della Valle, 1893	1	1		1		1		1	1					
<b>Kuriidae J.L. Barnard, 1964</b>														
<i>Micropythia carinata</i> (Spence Bate, 1862)	1	1			1									
<b>Lestrigonidae Zeidler, 2004</b>														
<i>Lestrigonus latissimus</i> (Bovallius, 1889)			1	1	1	1							1	1
<i>Lestrigonus schizogeneios</i> (Stebbing, 1888)													1	1
<i>Phronimopsis spinifera</i> Claus, 1879													1	1
<b>Leucothoidae Dana, 1852</b>														
<i>Leucothoe articulosa</i> (Montagu, 1804)														1
<i>Leucothoe denticulata</i> A. Costa in Hope, 1851										1				
<i>Leucothoe euryonyx</i> Walker, 1901		1												
<i>Leucothoe furina</i> (Savigny, 1816)														1
<i>Leucothoe incisa</i> Robertson, 1892		1	1	1	1	1	1	1	1	1	1	1	1	
<i>Leucothoe lilljeborgi</i> Boeck, 1861	1		1	1	1									1
<i>Leucothoe oboa</i> Karaman, 1971	1		1											

Continued

Table 1 continued

	Morocco		Algeria			Tunisia			Libya			Egypt		
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Leucothoe occulta</i> Krapp-Schickel, 1975	1			1	1									
<i>Leucothoe pachycera</i> Della Valle, 1893*			1	1	1									
<i>Leucothoe procera</i> Spence Bate, 1857	1	1												
<i>Leucothoe richiardii</i> Lessona, 1865				1	1	1								
<i>Leucothoe serraticarpa</i> Della Valle, 1893*				1										
<i>Leucothoe spinicarpa</i> (Abildgaard, 1789)	1	1	1	1	1	1	1	1	1			1		1
<i>Leucothoe venetiarum</i> Giordani-Soika, 1950				1				1	1					
<b>Liljeborgiidae Stebbing, 1899</b>														
<i>Idunella excavata</i> (Schiecke, 1973)*				1										
<i>Idunella nana</i> (Schiecke, 1973)*	1		1											
<i>Idunella pirata</i> Krapp-Schickel, 1975*				1									1	
<i>Liljeborgia dellavallei</i> Stebbing, 1906	1	1	1	1		1	1	1	1	1	1	1	1	1
<i>Liljeborgia pallida</i> (Spence Bate, 1857)			1	1	1							1		
<i>Liljeborgia psaltrica</i> Krapp-Schickel, 1975*				1										
<b>Lycaeidae Claus, 1879</b>														
<i>Lycaea pulex</i> Marion, 1874														1 1
<b>Lysianassidae Dana, 1849</b>														
<i>Acosta punctata</i> (A. Costa in Hope, 1851)			1											
<i>Lysianassa costae</i> H. Milne Edwards, 1830	1	1	1	1	1	1	1	1	1		1	1		1
<i>Lysianassa insperata</i> Lincoln, 1979			1	1	1									
<i>Lysianassa pilicornis</i> Heller, 1866			1				1		1	1	1	1		1
<i>Lysianassa plumosa</i> Boeck, 1871			1	1	1		1		1		1	1		
<i>Lysianassina longicornis</i> (Lucas, 1846)*			1	1	1		1	1		1	1	1		1
<i>Nannonyx propinquus</i> Chevreux, 1911*							1					1	1	
<i>Nannonyx spinimanus</i> Walker, 1895				1								1		
<i>Socarnes filicornis</i> (Heller, 1866)			1	1	1		1	1	1					
<b>Maeridae Krapp-Schickel, 2008</b>														
<i>Animoceradocus semiserratus</i> (Spence Bate, 1862)			1	1	1	1						1	1	
<i>Ceradocus (Ceradocus) orchestii</i> A. Costa, 1853					1		1			1				
<i>Elasmopus brasiliensis</i> (Dana, 1853)	1	1		1		1	1	1	1	1				
<i>Elasmopus pecteniscrus</i> (Spence Bate, 1862)	1			1			1		1					1
<i>Elasmopus pocillimanus</i> (Spence Bate, 1862)	1	1		1		1	1	1	1	1				1
<i>Elasmopus rapax</i> A. Costa, 1853	1	1	1	1	1	1	1	1	1		1			1
<i>Elasmopus vachoni</i> Mateus & Mateus, 1966	1	1		1										
<i>Hamimaera hamigera</i> (Haswell, 1879)				1	1				1		1	1		
<i>Maera grossimana</i> (Montagu, 1808)	1	1	1	1	1	1		1	1			1		1
<i>Maera hironellei</i> Chevreux, 1900			1	1	1		1	1	1					
<i>Maera pachytelson</i> Karaman & Ruffo, 1971*				1										
<i>Maera schieckei</i> Karaman & Ruffo, 1971*				1										
<i>Maera sodalis</i> Karaman & Ruffo, 1971*				1	1									
<i>Maerella tenuimana</i> (Spence Bate, 1862)				1	1		1							
<i>Maeropsis revelata</i> (Krapp-Schickel, Marti & Ruffo, 1996)*			1											

Continued

Table 1 continued

	Morocco		Algeria				Tunisia			Libya			Egypt	
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Othomaera knudseni</i> (Reid, 1951)	1		1	1										
<i>Othomaera othonis</i> (H. Milne Edwards, 1830)		1	1	1	1									
<i>Othomaera schmidtii</i> (Stephensen, 1915)*			1	1										
<i>Quadrimeaera inaequipis</i> (A. Costa in Hope, 1851)	1	1	1	1	1	1	1	1	1			1		1
<i>Quadrimeaera reishi</i> (J.L. Barnard, 1979)									1					
<b>Megalurotidae Thomas &amp; Barnard, 1986</b>														
<i>Megaluropus agilis</i> Hoek, 1889		1										1		1
<i>Megaluropus massiliensis</i> Ledoyer, 1976*		1		1				1	1					
<i>Megaluropus monasteriensis</i> Ledoyer, 1976*	1						1	1						
<b>Melitidae Bousfield, 1973</b>														
<i>Abludomelita aculeata</i> (Chevreux, 1911)				1	1			1						
<i>Abludomelita gladiosa</i> (Spence Bate, 1862)	1	1	1	1	1	1				1				
<i>Abludomelita obtusata</i> (Montagu, 1813)				1										
<i>Allomelita pellucida</i> (G.O. Sars, 1883)												1		
<i>Dulichella fresnelii</i> (Audouin, 1826)														1
<i>Melita bulla</i> Karaman, 1978*		1		1										
<i>Melita coroninii</i> Heller, 1866		1		1		1								
<i>Melita hergensis</i> Reid, 1939		1		1										
<b>Melita palmata (Montagu, 1804)</b>	1	1	1	1	1	1	1		1					1
<i>Paraniphargus valesi</i> (Karaman, 1955)*				1										
<b>Melphidippidae Stebbing, 1899</b>														
<i>Melphidippella macra</i> (Norman, 1869)				1										
<b>Microprotopidae Myers &amp; Lowry, 2003</b>														
<i>Microprotopus longimanus</i> Chevreux, 1887	1			1	1									
<i>Microprotopus maculatus</i> Norman, 1867	1						1							
<b>Nuuanuidae Lowry &amp; Myers, 2013</b>														
<i>Gammarella fucicola</i> (Leach, 1814)	1	1	1	1			1	1	1	1		1	1	1
<i>Nuuanu garciai</i> (Marti & Villora-Moreno, 1995)*		1												
<b>Oedicerotidae Lilljeborg, 1865</b>														
<i>Deflexilodes acutipes</i> (Ledoyer, 1983)					1									
<i>Deflexilodes gibbosus</i> (Chevreux, 1888)		1		1	1						1			
<i>Deflexilodes griseus</i> (Chevreux, 1888)*	1		1	1	1		1							
<i>Deflexilodes rostratus</i> (Stephensen, 1931)												1	1	
<i>Deflexilodes subnudus</i> (Norman, 1889)				1	1	1							1	
<i>Halicreion aequicornis</i> (Norman, 1889)				1										
<i>Kroyera carinata</i> Spence Bate, 1857	1	1	1	1	1	1	1	1				1		
<i>Periocolodes aequimanus</i> (Kossmann, 1880)	1	1		1					1	1				
<i>Periocolodes longimanus</i> (Spence Bate & Westwood, 1868)	1	1	1	1	1	1				1		1		
<i>Pontocrates altamarinus</i> (Spence Bate & Westwood, 1862)	1		1	1										
<i>Pontocrates arenarius</i> (Spence Bate, 1858)	1	1	1	1	1	1				1			1	1
<i>Pontocrates norvegicus</i> (Boeck, 1861)									1					
<i>Synchelidium haplocheles</i> (Grube, 1864)		1	1	1	1	1								
<i>Synchelidium longidigitatum</i> Ruffo, 1947	1	1												

Continued



Table 1 continued

	Morocco		Algeria			Tunisia			Libya			Egypt		
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Synchelidium maculatum</i> Stebbing, 1906	1	1	1	1	1				1			1		
<i>Westwoodilla caecula</i> (Spence Bate, 1857)	1	1			1									
<i>Westwoodilla rectirostris</i> (Della Valle, 1893)			1			1	1	1						
<b>Opisidae Lowry &amp; Stoddart, 1995</b>														
<i>Normanion chevreuxi</i> Diviaco & Vader, 1988			1											
<b>Oxycephalidae Dana, 1852</b>														
<i>Cranocephalus scleroticus</i> (Streets, 1878)													1	1
<i>Rhabdosoma whitei</i> Spence Bate, 1862				1									1	1
<b>Pardaliscidae Boeck, 1871</b>														
<i>Halicoides walkeri</i> (Ledoyer, 1973)*			1		1									
<b>Phliantidae Stebbing, 1899</b>														
<i>Pereionotus testudo</i> (Montagu, 1808)	1	1	1	1		1	1	1	1				1	
<b>Photidae Boeck, 1871</b>														
<i>Gammaropsis crenulata</i> Krapp-Schickel & Myers, 1979*			1	1										
<i>Gammaropsis dentata</i> Chevreux, 1900			1	1		1	1	1						
<i>Gammaropsis emancipata</i> Krapp-Schickel & Myers, 1979*					1									
<i>Gammaropsis maculata</i> (Johnston, 1828)	1		1	1	1	1			1				1	
<i>Gammaropsis nitida</i> (Stimpson, 1853)				1										
<i>Gammaropsis ostroumowi</i> Sowinski, 1898				1				1	1					
<i>Gammaropsis palmata</i> (Stebbing & Robertson, 1891)	1		1	1	1	1							1	
<i>Gammaropsis pseudostroumowi</i> Ledoyer, 1977*				1										
<i>Gammaropsis sophiae</i> (Boeck, 1861)	1	1	1	1		1							1	
<i>Gammaropsis ulrici</i> Krapp-Schickel & Myers, 1979			1	1				1						
<i>Latigammaropsis togoensis</i> (Schellenberg, 1925)										1				
<i>Megamphopus brevidactylus</i> Myers, 1976*			1											
<i>Megamphopus cornutus</i> Norman, 1869			1	1									1	
<i>Megamphopus longicornis</i> Chevreux, 1911			1	1		1								
<i>Photis lamellifera</i> Schellenberg, 1928			1					1						
<i>Photis longicaudata</i> (Spence Bate & Westwood, 1862)	1	1	1	1	1	1						1	1	
<i>Photis reinhardi</i> røyer, 1842			1	1										
<b>Phoxocephalidae G.O. Sars, 1891</b>														
<i>Harpinia ala</i> Karaman, 1987*	1		1											
<i>Harpinia antennaria</i> Meinert, 1890	1	1	1	1	1	1	1	1	1				1	
<i>Harpinia crenulata</i> (Boeck, 1871)	1		1	1		1						1	1	
<i>Harpinia dellavallei</i> Chevreux, 1911			1	1	1							1	1	
<i>Harpinia laevis</i> G.O. Sars, 1891	1			1										
<i>Harpinia pectinata</i> Sars, 1891	1	1	1	1	1	1					1	1	1	
<i>Harpinia serrata</i> G. O. Sars, 1879				1	1									
<i>Harpinia truncata</i> Sars, 1891			1		1									
<i>Metaphoxus fultoni</i> (Scott, 1890)		1		1				1		1			1	
<i>Metaphoxus simplex</i> (Spence Bate, 1857)		1		1		1	1	1	1			1	1	
<i>Paraphoxus oculatus</i> (G. O. Sars, 1879)				1		1	1							
<b>Phronimidae Rafinesque, 1815</b>														

Continued

Table 1 continued

	Morocco		Algeria				Tunisia			Libya			Egypt	
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Phronima colletti</i> Bovallius, 1887														1
<i>Phronima sedentaria</i> (Forskål, 1775)			1	1	1	1							1	1
<i>Phronima stebbingi</i> Vosseler, 1901														1
<i>Phronimella elongata</i> (Claus, 1862)														1
<b>Phrosinidae Dana, 1852</b>														
<i>Phrosina semilunata</i> Risso, 1822														1
<i>Primno macropa</i> Guérin-Méneville, 1836														1
<b>Platyscelidae Spence Bate, 1862</b>														
<i>Platyscelus ovoides</i> (Risso, 1816)			1											
<i>Platyscelus serratulus</i> Stebbing, 1888			1											
<b>Pleustidae Buchholz, 1874</b>														
<i>Pleusymtes mediterraneus</i> (Ledoyer, 1986)*			1											
<b>Podoceridae Leach, 1814</b>														
<i>Laetmatophilus purus</i> Stebbing, 1888												1	1	
<i>Laetmatophilus tuberculatus</i> Bruzelius, 1859													1	
<i>Parunciola seurati</i> Chevreux, 1911*				1										
<i>Podocerus brasiliensis</i> (Dana, 1853)														1
<i>Podocerus chelonophilus</i> (Chevreux & de Guerne, 1888)			1	1	1	1	1	1	1					
<i>Podocerus schieckei</i> Ruffo, 198 *			1											
<i>Podocerus variegatus</i> Leach, 1814	1	1		1		1								1
<b>Podoprionidae Lowry &amp; Stoddart, 1996</b>														
<i>Podoprion bolivari</i> Chevreux, 1891				1										
<b>Pontogeneiidae Stebbing, 1906</b>														
<i>Eusiroides dellavallei</i> Chevreux, 1899		1	1		1	1	1						1	
<b>Protorchestidae Myers &amp; Lowry, 2020</b>														
<i>Cochinorchestia notabilis</i> K.H. Barnard, 1935)								1						
<b>Pseudoniphargidae Karaman, 1993</b>														
<i>Pseudoniphargus africanus</i> Chevreux, 1901*						1	1	1	1					
<b>Scinidae Stebbing, 1888</b>														
<i>Scina crassicornis</i> (Fabricius, 1775)				1										1
<b>Scopelocheiridae Lowry &amp; Stoddart, 1997</b>														
<i>Aroui setosus</i> Chevreux, 1911*							1							
<i>Scopelocheirus hopei</i> (A. Costa in Hope, 1851)			1				1	1			1			
<b>Sophrosynidae Lowry &amp; Stoddart, 2010</b>														
<i>Sophrosyne hispana</i> (Chevreux, 1887)			1											
<b>Stegocephalidae Dana, 1852</b>														
<i>Stegocephaloides christianiensis</i> Boeck, 1871			1					1			1			
<b>Stenothoidae Boeck, 1871</b>														
<i>Metopa longicornis</i> Boeck, 1871													1	
<i>Stenothoe antennulariae</i> Della Valle, 1893*			1											
<i>Stenothoe bosporana</i> Sowinsky, 1898								1						
<i>Stenothoe cattai</i> Stebbing, 1906			1											
<i>Stenothoe cavimana</i> Chevreux, 1908			1	1										

Continued

Table 1 continued

	Morocco		Algeria			Tunisia			Libya			Egypt		
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Stenothoe dollfusi</i> Chevreux, 1887	1	1	1		1									
<i>Stenothoe eduardi</i> Krapp-Schickel, 1975				1					1					1
<i>Stenothoe elachista</i> Krapp-Schickel, 1975*					1									
<i>Stenothoe gallensis</i> Walker, 1904		1		1					1					1
<i>Stenothoe georgiana</i> Bynum & Fox, 1977	1													
<i>Stenothoe marina</i> (Spence Bate, 1857)		1	1											
<i>Stenothoe monoculoides</i> (Montagu, 1813)	1	1	1	1	1	1	1		1					
<i>Stenothoe tergestina</i> (Nebeski, 1881)	1	1	1	1		1	1							
<b><i>Stenothoe valida</i> Dana, 1852</b>	1													
<b>Synopiidae Dana, 1853</b>														
<i>Pseudotiron bouvieri</i> Chevreux, 1895*								1						
<b>Talitridae Rafinesque, 1815</b>														
<i>Africorchestia fischeri</i> (H. Milne Edwards, 1830)				1										
<i>Britorchestia brito</i> (Stebbing, 1891)								1						
<i>Cryptorchestia cavimana</i> (Heller, 1865)		1						1						
<i>Deshayesorchestia deshayesii</i> (Audouin, 1826)	1	1	1	1	1	1	1		1					1
<i>Orchestia bottae</i> H. Milne Edwards, 1840										1				
<i>Orchestia gammarellus</i> (Pallas, 1766)	1	1		1		1	1		1			1		1
<i>Orchestia mediterranea</i> A. Costa, 1853				1		1	1		1	1				1
<i>Orchestia montagui</i> Audouin, 1826 *			1	1			1	1	1	1				1
<i>Platorchestia platensis</i> (Krøyer, 1845)				1		1	1							1
<i>Speziorchestia stephensi</i> (Cecchini, 1928*)							1		1		1			
<i>Talitrus cloquetii</i> (Audouin, 1826)														1
<i>Talitrus saltator</i> (Montagu, 1808)		1		1	1		1		1					
<b>Tryphosidae Lowry &amp; Stoddart, 1997</b>														
<i>Hippomedon bidentatus</i> Chevreux, 1903			1		1									
<i>Hippomedon denticulatus</i> (Spence Bate, 1857)	1		1	1	1	1			1				1	
<i>Hippomedon massiliensis</i> Bellan-Santini, 1965*	1	1	1	1	1									
<i>Hippomedon oculatus</i> Chevreux & Fage, 1925		1	1			1			1		1	1		
<i>Hippomedon tunisiacus</i> Stephensen, 1915								1						
<i>Lepidepecreum crypticum</i> Ruffo & Schiecke, 1977*	1		1											
<i>Lepidepecreum longicorne</i> (Spence Bate & Westwood, 1861)	1	1		1		1	1	1	1	1	1	1		
<i>Orchomene grimaldii</i> Chevreux, 1890*			1											
<i>Orchomene humilis</i> (A. Costa, 1853)		1	1	1		1		1	1	1				
<i>Paracentromedon crenulatus</i> (Chevreux, 1900)				1										
<i>Tryphosa nana</i> (Krøyer, 1846)		1		1										
<i>Tryphosa</i> sp.													1	
<i>Tryphosella minima</i> (Chevreux, 1911)		1		1		1								
<i>Tryphosella nanoides</i> (Lilljeborg, 1865)				1										
<i>Tryphosella simillima</i> Ruffo, 1985*				1										
<i>Tryphosites longipes</i> (Spence Bate & Westwood, 1861)	1	1		1									1	
<b>Unciolidae Myers &amp; Lowry, 2003</b>														

Continued

Table 1 continued

	Morocco		Algeria				Tunisia			Libya			Egypt	
	M1	M2	A1	A2	A3	A4	T1	T2	T3	L1	L2	L3	E1	E2
<i>Unciola crenatipalma</i> (Spence Bate, 1862)			1	1							1			
<i>Unciolella lunata</i> Chevreux, 1911							1	1						1
<b>Uristidae Hurley, 1963</b>														
<i>Ichnopus spinicornis</i> Boeck, 1861				1			1	1	1					
<i>Ichnopus taurus</i> A. Costa, 1853													1	
<i>Tmetonyx nardonis</i> Heller, 1867)					1	1								
<b>Urothoidae Bousfield, 1978</b>														
<i>Urothoe brevicornis</i> Spence Bate, 1862			1	1	1						1	1		
<i>Urothoe elegans</i> Spence Bate, 1857	1	1	1	1	1	1	1				1			
<i>Urothoe grimaldii</i> Chevreux, 1895	1	1	1	1	1				1		1	1		
<i>Urothoe intermedia</i> Bellan-Santini & Ruffo, 1986*		1	1	1	1									1
<i>Urothoe marina</i> (Spence Bate, 1857)	1	1	1	1	1								1	
<i>Urothoe poseidonis</i> Reibish, 1905		1	1	1	1									
<i>Urothoe pulchella</i> (A. Costa, 1853)	1	1		1	1	1	1				1	1		
<b>Vibiliidae Dana, 1852</b>														
<i>Vibilia armata</i> Bovallius, 1887			1	1	1	1								
<i>Vibilia jeangerardii</i> Lucas, 1846							1							
<i>Vibilia viatrix</i> Bovallius, 1887														1
Total number of species	166	172	201	279	126	125	117	72	126	20	76	97	9	100

Among them, five species have been recorded in only one of the five countries, the others being recorded in two to four countries, while none species has been recorded in all five countries. Our list of NIS overpass that of Marchini & Cardeccia (2017), who reported 10 NIS amphipods from European waters in the Mediterranean Sea.

### Number of families

The 454 species recorded in the countries of North Africa bordering the Southern Mediterranean Sea belong to 72 families. The most diversified family is the Caprellidae Leach, 1814 (with 34 species). Then, five other families are each represented by 20 species or more, the Ampeliscidae Krøyer, 1842 (33 species), Aoridae Stebbing, 1899 (25 species), Ischyroceridae Stebbing, 1899 and Corophiidae Leach, 1814 (21 species each), and Maeridae Krapp-Schickel, 2008 (20 species). Eleven families comprise between 10 and 19 species, 20 families between 3 and 9 species, while 11 families account for two species and 24 families (34%) account for only one species (Fig. 2).

The amphipod fauna listed for Algeria is the more diversified, with 66 families (92% of the total number of families), followed by Libya (45 families), Morocco (42 families), Tunisia (40 families) and Egypt (36 families).

### Cluster analysis

The cluster analysis carried out on the twelve most di-

versified sectors reveals the presence of four groups (Fig. 3): i) both Libyan sectors L2 and L3; ii) a single isolated Egyptian sector E2; iii) the three Tunisian sectors and iv) the four Algerian and both Moroccan sectors; this latter group can be divided in two sub-groups: the Algerian sectors in one sub-group and both Moroccan sectors in the other.

Cluster analysis showed that each country had a unique and particular amphipod diversity, with a high similarity between Algerian and Moroccan amphipod faunas compared with the three other countries. In summary, the amphipod fauna is distinguished by high diversity in Algeria, appreciable diversity in Morocco, compared with a lower diversity in Tunisia and the lowermost diversities for Libya and Egypt.

### Discussion

#### State of the inventory and comments

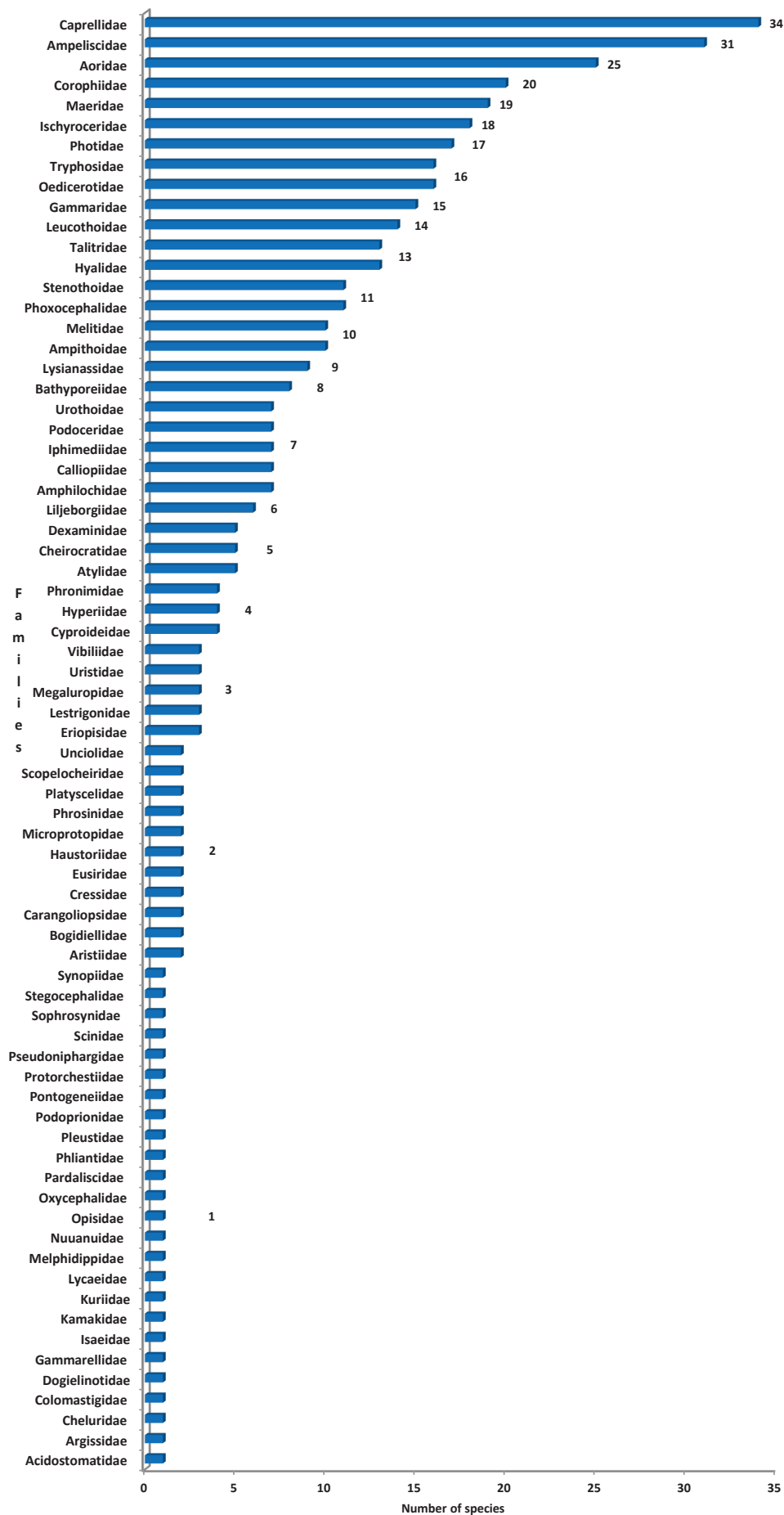
As reported previously in several papers (see Dauvin *et al.*, 2004; Coll *et al.*, 2010), the alpha diversity of an area is not only a function of the diversity of the marine habitats, the coastline length, but also the sampling effort and taxonomic expertise of a research group in a given area.

Due to the determination of Professor Ruffo from the Verona Museum in Italy, the successful international collaboration of amphipod experts over a period of two

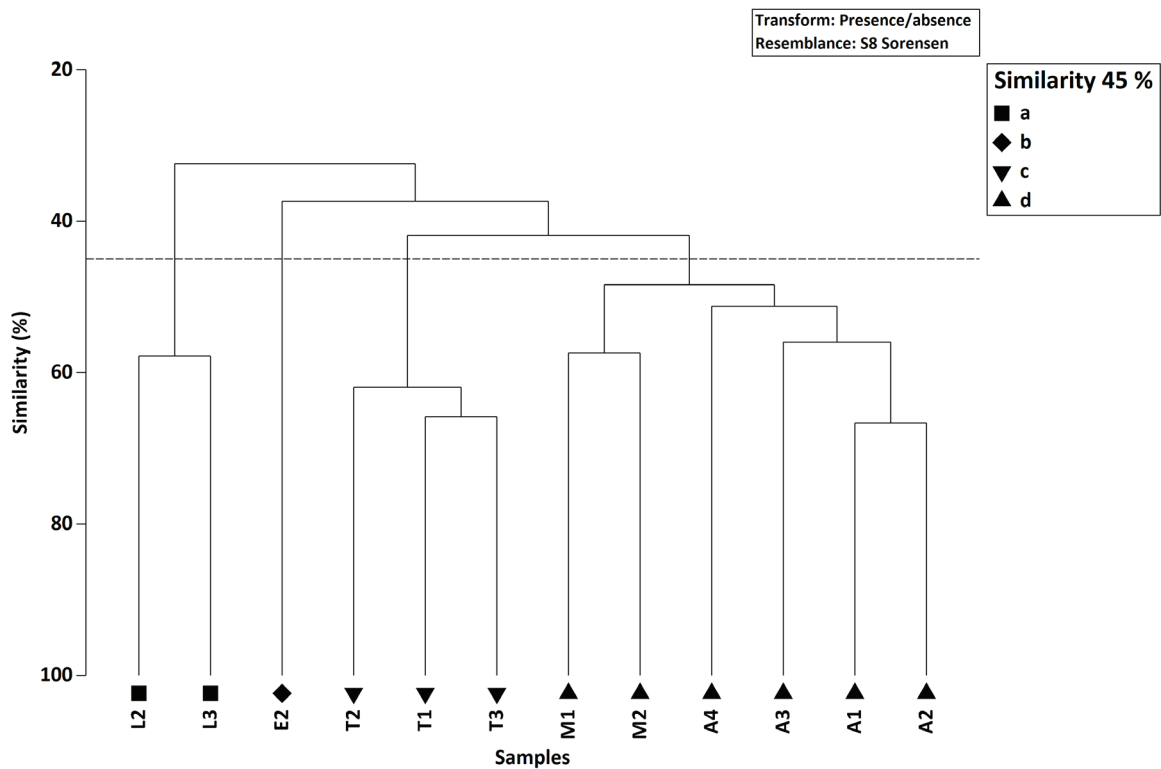
**Table 2.** Checklist of the non-Indigenous species or cryptogenic species amphipods reported in the five countries bordering the Southern Mediterranean Sea.

	Status of the species	Year of first record	First signalisation	Establishment success	Other country of North Africa
Morocco					
<i>Caprella scaura</i> Templeton, 1836	non-indigenous	2011	Ros <i>et al.</i> , 2013	established	Tunisia
<i>Jassa marmorata</i> Holmes, 1905	non-indigenous	2006	Guerra-García <i>et al.</i> , 2009	established	Algeria
<i>Jassa slatteryi</i> Conlan, 1990	non-indigenous	2015 - 2016	Ros <i>et al.</i> , 2020	established	
<i>Laticorophium baconi</i> (Shoemaker, 1934)	non-indigenous	2011	Guerra <i>et al.</i> , 2023	established	Tunisia, Egypt
<i>Monocorophium acherusicum</i> (Costa, 1853)	non-indigenous	1984	Menioui, 1988	established	Algeria, Tunisia, Egypt
<i>Monocorophium sextonae</i> (Crawford, 1937)	cryptogenic	1991	Marti, 1997	established	Algeria, Egypt
<i>Photis lamellifera</i> Schellenberg, 1928	non-indigenous	1999	Guerra-García & García-Gómez, 2004	established	Tunisia
<i>Stenothoe gallensis</i> Walker, 1904	non-indigenous	1984	Bitar, 1987b	established	Tunisia
<i>Stenothoe georgiana</i> Bynum & Fox, 1977	non-indigenous	2015 - 2016	Ros <i>et al.</i> , 2020	established	
Algeria					
<i>Elasmopus pectenicrus</i> (Spence Bate, 1862)	cryptogenic	1985	Bakalem & Dauvin, 1995	established	Tunisia, Libya,
<i>Jassa marmorata</i> Holmes, 1905	non-indigenous	2014	Benali, 2020	established	Egypt, Morocco
<i>Linguimaera caesaris</i> Krapp-Schickel, 2023	non-indigenous	1988	Bakalem & Dauvin, 1995	established	Tunisia, Libya,
<i>Monocorophium acherusicum</i> (Costa, 1853)	non-indigenous	1897	Chevreur, 1911	established	Morocco, Tunisia, Egypt
<i>Monocorophium sextonae</i> (Crawford, 1937)	cryptogenic	1988	Bakalem & Dauvin, 1995	established	Egypt, Morocco
<i>Rhabdosoma whitei</i> Spence Bate, 1862	non-indigenous	1930	Rose, 1931	established	Egypt
Tunisia					
<i>Caprella scaura</i> Templeton, 1836	non-indigenous	2007	Ben Souissi <i>et al.</i> , 2010	established	Morocco
<i>Elasmopus pectenicrus</i> (Spence Bate, 1862)	cryptogenic	2006	Zakhama-Sraieb <i>et al.</i> , 2009	established	Algeria, Libya
<i>Gammaropsis togoensis</i> (Schellenberg, 1925)	cryptogenic	2007	Kahri <i>et al.</i> , 2010	established	
<i>Laticorophium baconi</i> (Shoemaker, 1934)	non-indigenous	2021	Guerra <i>et al.</i> , 2023	established	Morocco, Egypt
<i>Linguimaera caesaris</i> Krapp-Schickel, 2023	non-indigenous	2009	Ben Souissi <i>et al.</i> , 2010	established	Algeria, Libya
<i>Monocorophium acherusicum</i> (Costa, 1853)	non-indigenous	1909	Chevreur, 1911	established	Morocco, Algeria, Egypt
<i>Paracaprella pusilla</i> Mayer, 1890	non-indigenous	2016	Fersi <i>et al.</i> , 2018	established	
<i>Photis lamellifera</i> Schellenberg, 1928	non-indigenous	2014	Oumifi-Ben Amor <i>et al.</i> , 2015b	established	Morocco
<i>Stenothoe gallensis</i> Walker, 1904	non-indigenous	2006	Zakhama-Sraieb <i>et al.</i> , 2009	established	Egypt, Morocco
Libya					
<i>Linguimaera caesaris</i> Krapp-Schickel, 2023	non-indigenous	1924	Schellenberg, 1928	casual	Algeria, Tunisia
Egypt					
<i>Bemlos leptocheirus</i> (Walker, 1909)	non-indigenous	1924	Schellenberg, 1928	casual	
<i>Jassa marmorata</i> Holmes, 1905	non-indigenous	No data	Atta, 1985	established	Algeria, Morocco
<i>Laticorophium baconi</i> (Shoemaker, 1934)	non-indigenous	2022	Guerra <i>et al.</i> , 2023	established	Tunisia, Egypt
<i>Monocorophium acherusicum</i> (Costa, 1853)	non-indigenous	1924	Schellenberg, 1928	established	Morocco, Algeria, Tunisia
<i>Monocorophium sextonae</i> (Crawford, 1937)	cryptogenic	No data	El-Nassry, 1973	established	Algeria, Morocco
<i>Rhabdosoma whitei</i> Spence Bate, 1862	non-indigenous	1969	Zakaria, 1992	casual	Algeria
<i>Stenothoe gallensis</i> Walker, 1904	non-indigenous	1924	Schellenberg, 1928	established	Tunisia, Morocco





**Fig. 2:** Numbers of species among the 72 families reported in the 2023 amphipod checklist for the five countries bordering the Southern Mediterranean Sea.



**Fig. 3:** Results of cluster analysis (Sørensen similarity) on the species presence and absence of amphipods in the 12 more diversified geographical regions of the five countries bordering the Southern Mediterranean Sea. See Figure 1 for location of the sectors.

decades has led to the publication of ‘The Amphipoda of the Mediterranean’ in four volumes edited between 1982 to 1998. This work forms the basis of our knowledge of the amphipod fauna of the Mediterranean Sea. Nevertheless, the checklist dates from 1994, and some amphipod species have been described or reported (particularly NIS) in the Mediterranean Sea during the three last decades; moreover, numerous ecological studies have allowed an important increase in our knowledge of the amphipod distribution, mainly for the eastern and southern part of the Mediterranean Sea.

The 2023 amphipod checklist presented here reports 454 species for the five countries in North Africa bordering the Southern Mediterranean Sea. In spite of differences in length of coastline and sampling effort, an impoverishment of amphipod diversity is observed from west to east. The richest fauna is found in the western most countries Morocco and Algeria, and low numbers of amphipod species are recorded for the Egyptian fauna and intermediate numbers for both Tunisia and Libya.

The cluster analysis distinguishes a specific amphipod fauna for three countries, the notable diversity for Tunisian, the lowest diversity for both eastern Libya and Egypt, and a high similitude between the Moroccan and Algerian amphipod faunas.

### Morocco

For the Morocco, the hard substrates have been the most studied in particular the infralittoral zone with different habitats such as the photophilic *Cystoseira* spp.

forest and the *Corallina* spp. facies, and to a lesser extent of *Cymodocea nodosa* meadow and more rarely the coralligenous habitat. There have few studies on soft substrate habitats.

The Moroccan amphipod fauna is made up of 241 species, with 166 in the Strait of Gibraltar (sector M1) and a slightly higher number for the eastern sector M2 (172 species). A total of 42 families have been recorded, the Caprellidae accounting for 27 species. Our knowledge of the diversified Caprellidae family is due to the very important work of Guerra-Garcia and his team at Seville University over several decades on both sides of the Gibraltar Strait (see Appendix A, for other references for Morocco). The other diversified families are the Ischyroceridae with 17 species, the Ampeliscidae and the Aoridae with 14 species each, and the Maeridae with 12 species. The number of Ampeliscidae species is low for this diversified family (35 species) in the western basin of the Mediterranean Sea (Ruffo, 1982, 1998; Davin & Bellan-Santini, 2002, 2004).

Nine species are NIS or cryptogenic species; among them *Jassa slatteryi* Conlan, 1990 and *Stenothoe georgiana* Bynum & Fox, 1977 are only found in Morocco (Table 2). Seven species are described from material from Morocco (Table 3). Three caprellids species have been described from Ceuta material, three gammarids species from Islands Chafarinas material (*Eriopisella ruffoi* Marti & Villora-Moreno, 1996; *Maeropsis revelata* (Krapp-Schiekel, Marti & Ruffo, 1996); *Nuuamu graciai* (Marti & Villora-Moreno, 1995), and one species from Melilla material (*Urothoe grimadlii* Chevreux 1895).

**Table 3.** List of the continental shelf amphipod species described from material coming from the continental shelf of five countries bordering the Southern Mediterranean Sea. No species are described from the material collected in Libyan waters.

Country	Species
<b>Morocco</b>	<i>Caprella ceutae</i> Guerra-Garcia & Tacheuchi, 2021
	<i>Caprella monai</i> Guerra-Garcia, Sanchez-Moyano & Garcia-Gomez, 2001
	<i>Caprella sabulensis</i> Guerra-Garcia, Sanchez-Moyano & Garcia-Gomez, 2001
	<i>Eriopisella ruffoi</i> Marti & Villora-Moreno, 1996
	<i>Maeropsis revelata</i> (Krapp-Schiekel, Marti & Ruffo, 1996)
	<i>Nuuanu graciai</i> (Marti & Villora-Moreno, 1995)
	<i>Urothoe grimaldii</i> Chevreux, 1895
<b>Algeria</b>	<i>Apherusa mediterranea</i> Chevreux, 1911
	<i>Aroui setosus</i> Chevreux, 1911
	<i>Harpinia dellavallei</i> Chevreux, 1911
	<i>Haustorius algeriensis</i> Mullet, 1968
	<i>Hippomedon oculatus</i> Chevreux & Fage, 1925
	<i>Lysianassina longicornis</i> Lucas, 1846
	<i>Megamphopus longicornis</i> Chevreux, 1911
	<i>Nannonyx propinquus</i> Chevreux, 1911
	<i>Parunciola seurati</i> Chevreux, 1911
	<i>Podocerus chelonophilus</i> Chevreux & Guerne, 1888
	<i>Pseudoniphargus africanus</i> Chevreux, 1901
	<i>Syrrhoites cornuta</i> Bellan-Santini, 1985
	<i>Tethylembos viguieri</i> Chevreux, 1911
	<i>Tryposella minuta</i> Chevreux, 1911
<i>Unciolella lunata</i> Chevreux, 1911	
<i>Vibilia jeangerardii</i> Lucas, 1846	
<b>Tunisia</b>	<i>Abludomelita aculeata</i> Chevreux, 1911
	<i>Ampelisca melitae</i> Dauvin & Bellan-Santini, 1985
	<i>Apherusa mediterranea</i> Chevreux, 1911
	<i>Hippomedon tunisiacus</i> Stephensen, 1915
<b>Egypt</b>	<i>Ampelisca unidentata</i> Schellenberg, 1925
	<i>Ampithoe ramondi</i> Audouin, 1826
	<i>Deshayeorchestia deshayesii</i> Audouin, 1826
	<i>Dulichieilla fresnelii</i> Audouin, 1826
	<i>Orchestia montagui</i> Audouin, 1826
	<i>Talitrus cloquetii</i> Audouin, 1826

### Algeria

The publication ‘*Campagnes de la Melita. Les amphipodes d’Algérie et de Tunisie*’ (Chevreux, 1911) provides the basis of our knowledge on the amphipod of Algeria (117 species) and Tunisia (65 species), while there have been very numerous ecological studies that allow us to report new species from Algerian and Tunisian waters (see Appendix A, references for Algeria and Tunisia). In Algeria, studies on macrobenthic fauna have been mainly focused on soft-bottom habitats (0 to 190 m depth). Conversely, studies on marine macrofauna in general, and amphipods in particular of hard substrate habitats (*Cystoseira* spp forests, photophilic algal habitats), and seagrass beds (*Cymodocea nodosa*, *Posidonia oceanica* and *Zostera* spp.) have been largely neglected.

The most diversified amphipod fauna in the southern part of the Mediterranean Sea is found in Algerian waters, with 342 species belonging to 66 families; the Ampeliscidae is the richest with 28 species, followed by the Aor-

idae with 21 species and the Caprellidae with 19 species. The sector A2 (Bays of Bou Ismail and Algiers) yields the highest diversity with 279, while the western sector A1 accounts for 201 species, with both sectors A3 and A4 accounting for only 126 and 125 species, respectively.

On the Algerian coast, six species are NIS or cryptogenic species (Table 2). Sixteen species have been described from Algerian material (Table 3), with one species *Apherusa mediterranea* already described by Chevreux (1911) from material coming also from Tunisia. Twelve of the 16 species have been described by Chevreux & Guerne (1888), Chevreux (1911), and Chevreux & Fage (1925).

The high similitude between the Moroccan and the Algerian amphipod checklists are due to their coastal geographical proximity and the sampling of similar soft-bottom habitats. Moreover, these both coastal zones are under the Atlantic water influence explaining the presence of North-eastern Atlantic amphipod species in these both countries (Dauvin *et al.*, 2013).

## Tunisia

For Tunisia, the studies on amphipods covered the shallow soft and hard habitats. However, there has a significant quantity of studies on seagrass beds (*Posidonia oceanica*, *Cymodocea nodosa*, and *Zostera noltei*) and on photophilic algae habitats, and on soft-bottom habitats with the presence or not of *Cymodocea nodosa* and *Zostera noltei*.

The Tunisian amphipod fauna includes 167 species, including four species that have been described from Tunisian material, with one species *Apherusa mediterranea* being described by Chevreux (1911) from material coming also from Algeria. Zakhama-Sraieb *et al.* (2009, 2017) have reported checklists of Tunisian amphipods. The amphipod diversity is highest in the north of Tunisia (sector T1), with 117 species, as well as in the Gulf of Gabès, (sector T3), with 126 species, while diversity is lower in the Hammamet Gulf (sector T2), with only 72 species.

A total of 40 families have been reported, with the Caprellidae being the more diversified with 14 species, followed by the Aoridae and Maeridae with 11 species each. For Tunisian coast, the cortège of amphipods NIS is noticeable (nine species), with two species only present in Tunisia: *Gammaropsis togoensis* (Schellenberg, 1925) and *Paracaprella pusilla* Mayer, 1890 (Table 2). Four species have been described from Tunisian material (Table 3).

## Libya

For the Libya waters, the data come from the Ortiz & Petrescu (2007) paper which recorded the amphipods on soft substrate habitats between 25 and 190 m deep, and Tiganus (1984) who studied the photophilic algal habitats including the forests of *Cystoseira* spp. forest, and a meadow of *Posidonia oceanica*.

The Libyan amphipod fauna includes 138 species. No species new to science have been described from the Libyan material. The inventory comprises 45 families, the more diversified of which are the Ampeliscidae and the Aoridae, with 10 species each. Most of the recorded species from Libya were reported in the Ortiz & Petrescu (2007) checklist, and the numbers of species increases from the eastern sector 1, where only 20 amphipods are listed, to 76 for sector 2 and 98 for sector 3, a diversity similar to the Egyptian fauna (99 species). As for other marine invertebrates, our knowledge of the amphipod fauna in Libya is very poor and few papers report the presence of amphipods in this country (see Appendix A, references for Libya). In summary, our knowledge of Libyan amphipod fauna is insufficient.

## Egypt

For Egypt, the lagoon environments of the Nile Delta and the hard substrate habitats with biofouling of the

Alexandria port have been the most studied. In addition, studies on pelagic amphipods have been also carried out. Although, the Egyptian amphipod checklist have been drawn up on some studies on particular habitats which have not been sampled or rarely studied in other countries.

The Egyptian amphipod fauna includes 100 species, with no species recorded in sector 3 as there is very little or no research on the benthic fauna of this sector; only nine species are found in sector E1 of this country. All the records listed here have been reported from sector E2 in the Alexandria region, where the first record due to Audouin (1826) dates back to the Napoleonic expedition to Egypt with the description of five new species to science. The current checklist accounts for 16 pelagic species due to the studies of Zakaria (1992, 2001), Abdelsalam & Zakaria (2023). A total of 36 families have been recorded, with Corophiidae accounting 11 species and Caprellidae with 10 species (see Appendix A & B, references for Egypt). The cortège of amphipods NIS include seven species, with one species, *Bemlos leptochirus* (Walker, 1909), only present in Egypt (Table 2). A total of six species have been described from Egypt, mainly from material coming from the Alexandria area (Audouin, 1826) (Table 3).

As for the Libyan coast, our knowledge of the Egyptian amphipod fauna remains insufficient.

## Deep-sea species (Bathyal – Abyssal)

Studies of the deep-sea species of the Southern Mediterranean Sea have been based exclusively on material collected offshore the Algerian coast during the Polymède cruises (Bellan-Santini, 1985). In this study, eight species were reported from three stations at depths between 2415 and 2626 m: *Bathymedon acutrifrons* Bonnier, 1896 and *B. banyulensis* Ledoyer, 1982; *Harpinia della vallei* Chevreux, 1911; *Monoculodes packardi* Boeck, 1871; *Pardalisca mediterranea* Bellan-Santini, 1985; *Rhachothropis caeca* Ledoyer, 1977; *Scopelocheirus polymedus* Bellan-Santini, 1985 and *Syrrhoides cornuta* Bellan-Santini, 1985. *Harpinia della vallei* has also been recorded and described from the continental shelf from Algerian material at 18 m depth on muddy sand off Bejaia Bay (Chevreux, 1911).

## Species found in the Mediterranean Sea since 1997

In the “Amphipoda of the Mediterranean Sea”, Ruffo (edit.) (1982, 1989, 1993, 1998) reported all the species identified until 1997. Since the edition of these studies, the checklist for the south Mediterranean Sea Amphipoda has added 26 species, either new to science or no reported by Ruffo (edit.) (1982, 1989, 1993, 1998) in the Mediterranean Sea:

- Seven of these species were described from Mediterranean Sea material, mainly from Caprellidae off the Gibraltar Strait: *Caprella cavediniae*

Krapp-Schikel & Vader, 1998; *Caprella ceutae* Guerra-Garcia & Tacheuchi, 2021; *Caprella monai* Guerra-Garcia, Sanchez-Moyano & Garcia-Gomez, 2001; *Caprella sabulensis* Guerra-Garcia, Sanchez-Moyano & Garcia-Gomez, 2001; *Caprella takeuchii* Guerra-Garcia, Sanchez-Moyano & Garcia-Gomez, 2001; *Centraloecetes bulborostrum* De-la-Ossa-Carretero & Marti, 2014; *Bathyporeia borgi* d'Udekem d'Acoz & Vader, 2005.

- Species not reported by Ruffo (edit.) (1982, 1989, 1993, 1998): *Ampelisca latifrons* Schellenberg, 1925 and *A. remora* Bellan-Santini & Dauvin, 1986; *Caprella scaura* Templeton, 1836; *C. erethizon* Mayer, 1901; *C. fretensis* Stebbing, 1878; *C. tuberculata* Guérin-Meneville, 1836; *Paracaprella pusilla* Mayer, 1890; *Pseudoprotella inermis* Chevreux, 1920; *Laticorophium baconi* (Shoemaker, 1934); *Jassa slatteryi* Conlan, 1990; *Erichthonius fasciatus* (Stimpson, 1853) and *E. rubicornis* (Stimpson, 1853); *Bathyporeia elegans* Watkin, 1938 and *B. tenuipes* Meinert, 1877; *Acosta punctata* (A. Costa in Hope, 1851); *Parajassa pelagica* (Leach, 1814); *Centraloecetes kroyeranus* (Spence Bate, 1857); *Stenothoe cattai* Stebbing, 1906 and *S. georgiana* Bynum & Fox, 1977. Among these species five correspond to NIS (*C. scaura*, *P. pusilla*, *L. baconi*, *S. georgiana* and *J. slatteryi*).

#### Comparison with other Checklists of amphipods from the Mediterranean Sea and neighbouring seas

Our checklist concerns the five countries bordering the southern part of the Mediterranean Sea (North Africa). However, only the shallow coastal waters including lagoons and the continental shelf have been prospected for amphipods as well as for other taxonomic groups of the macrofauna. There is a clear deficit of knowledge in many parts of the Southern Mediterranean Sea such as in the deep-sea offshore habitats, as well as the Libyan and Egyptian coast and the western sector of the Morocco coast.

Conversely, the amphipod fauna is well known in the Gibraltar Strait, mostly as regards the Caprellidae.

Some particular habitats have been studied, such as the *Posidonia oceanica* meadows in Tunisian waters (Zakhama-Sraieb *et al.*, 2011a) and the red seaweed *Corallina elongata*, which are found both in the Strait

of Gibraltar (Guerra-Garcia *et al.*, 2009) and in Tunisia (Zakhama-Sraieb *et al.* 2011b).

It is clear that any comparison of checklists coming from different areas remains a difficult exercise, since they involve different surface areas, sampling efforts and depths of sampling. Nevertheless, the particularities of the amphipod fauna of the Southern Mediterranean Sea are corroborated by extensive studies carried out since the beginning of the 19<sup>th</sup> century. These research studies include the publication 'Amphipoda of the Mediterranean' (Ruffo, 1982, 1989, 1993, 1998), the recent important paper of Christodoulou *et al.* (2013) on the amphipod fauna of the Aegean Sea, as well as comparisons with neighbouring seas (Table 4).

An analysis of Table 4 leads us to highlight four main comments:

- The increase in numbers of amphipod species listed at the scale of the whole Mediterranean Sea, and in certain more restricted areas such as Tunisia (65 in 1911, 133 in 2009, 138 in 2017 and 167 in this study), and Algeria (117 in 1911, 253 in 1995, 332 in 2014 and 342 in this study).
- A reduction in the number of benthic amphipod species from west to east in the Southern Mediterranean Sea, while the number of pelagic amphipod species reaches a maximum in the Levantine Basin. This is because studies on pelagic amphipods have been carried out in Egypt, which has not been the case for the other countries
- The number of amphipod species reported in our checklist (454 species) is lower than that reported for the western Mediterranean Sea by Christodoulou *et al.* (2013) with a total of 554 benthic and pelagic species (i.e., 80 % of the Mediterranean Sea amphipod fauna), but higher than reported by Christodoulou *et al.* (2013) for the Aegean Sea (345 species) and the Levantine Basin (338 species) where the records are very similar.
- The number of amphipod species recorded in Algeria is of the same order of magnitude as recorded in the North-East Atlantic, in particular in the south of the Bay of Biscay (Bachelet *et al.*, 2003).

#### Need for future research

This checklist concerns only the continental shelf of the southern part of the Mediterranean Sea. Research in deeper waters, including bathyal and abyssal habitats off the coasts of these five countries, would clearly enrich the

**Table 5.** Number of amphipod species for each country following the ancient amphipod classification into three main sub-orders.

	Morocco	Algeria	Tunisia	Libya	Egypt
<b>Caprellidea</b>	27	19	14	3	6
<b>Gammaridea</b>	213	317	153	135	81
<b>Hyperidea</b>	1	6	0	0	13
<b>Total</b>	241	342	167	138	100



**Table 4.** Temporal evolution of the knowledge of checklist of Amphipods in the Mediterranean Sea and neighbouring regions.

Year	Area	Taxonomic group	Number of species	References
	<b>Mediterranean Sea</b>			
1826	Egypt	Gammaridea	11	Audouin, 1826
1842	Algeria	Gammaridea, Caprellidea, Hyperidea	14	Lucas, 1846
1911	Tunisia	Gammaridea	65	Chevreaux, 1911
1911	Algeria	Gammaridea	117	Chevreaux, 1911
1925	Mediterranean Sea	Gammaridea, Caprellidea, Hyperidea	270	Chevreaux & Fage, 1925
1936	Egypt	Gammaridea, Caprellidea	43	Schellenberg, 1936
1971	Mediterranean Sea	Gammaridea, Caprellidea, Ingolfiellidea	270	Ruffo (Edit.) 1982, 1989, 1993, 1998
1984	Morocco	Gammaridea, Caprellidea	60	Bitar, 1987
1985	Morocco	Gammaridea, Caprellidea, Hyperidea	78	Meniou, 1988
1988	Egypt	Gammaridea	54	Alfa, 1985 & 1988
1991	Alboran Sea: Chafarinas Islands	Gammaridea, Caprellidea	101	Marti, 1997
1994	Mediterranean Sea	Gammaridea, Caprellidea, Ingolfiellidea	451	Ruffo (Edit.) 1982, 1989, 1993, 1998
1995	Algeria	Gammaridea, Caprellidea, Hyperidea	253	Bakalem & Dauvin, 1995
1995	Aegean Sea	Gammaridea, Caprellidea	239	Stefanidou & Vouliasiadou-Koukoura, 1995
1999	Straits of Gibraltar	Gammaridea	116	Conradi & Lopez-Gonzalez, 1999
2001	Egypt	Hyperidea	15	Zakaria, 2006
2002	Israel coast	Gammaridea, Caprellidea	98	Sorbe <i>et al.</i> , 2002
2002	France	Gammaridea	293	Dauvin & Bellan-Santini, 2002
2004	Algeria	Gammaridea, Caprellidea, Hyperidea	332	Bakalem <i>et al.</i> , 2014
2007	Libya	Gammaridea, Caprellidea	125	Ortiz & Petrescu, 2007
2009	Tunisia	Gammaridea, Caprellidea	133	Zakhama-Sraieb <i>et al.</i> , 2009
2009	Algeria	Gammaridea, Caprellidea	298	Grimes <i>et al.</i> , 2009
2010	Mediterranean Sea	Gammaridea, Caprellidea, Ingolfiellidea, Hyperidea	443	Coll <i>et al.</i> , 2010
2010	Italian Seas	Gammaridea, Caprellidea, Ingolfiellidea, Hyperidea	458	Ruffo, 2010
2010	Mediterranean Spain	Gammaridea	152	De-la-Ossa-Careito <i>et al.</i> , 2010
2013	Algeria	Gammaridea, Caprellidea, Hyperidea	332	Bakalem <i>et al.</i> , 2014
2013	Mediterranean & Black Seas	Gammaridea, Caprellidea, Ingolfiellidea	509	Christodoulou <i>et al.</i> , 2013
2013	Western Mediterranean Sea	Gammaridea, Caprellidea, Ingolfiellidea	477	Christodoulou <i>et al.</i> , 2013
2013	Central Mediterranean Sea	Gammaridea, Caprellidea, Ingolfiellidea	260	Christodoulou <i>et al.</i> , 2013
2013	Adriatic Sea	Gammaridea, Caprellidea, Ingolfiellidea	270	Christodoulou <i>et al.</i> , 2013
2013	Aegean Sea	Gammaridea, Caprellidea, Ingolfiellidea	299	Christodoulou <i>et al.</i> , 2013
2013	Levantine Basin	Gammaridea, Caprellidea, Ingolfiellidea	237	Christodoulou <i>et al.</i> , 2013
2013	Black Sea	Gammaridea, Caprellidea, Ingolfiellidea	96	Christodoulou <i>et al.</i> , 2013
2013	Western Mediterranean Sea	Hyperidea (Pelagic)	77	Christodoulou <i>et al.</i> , 2013
2013	Central Mediterranean Sea	Hyperidea (Pelagic)	56	Christodoulou <i>et al.</i> , 2013
2013	Adriatic Sea	Hyperidea (Pelagic)	42	Christodoulou <i>et al.</i> , 2013
2013	Aegean Sea	Hyperidea (Pelagic)	46	Christodoulou <i>et al.</i> , 2013
2013	Levantine Basin	Hyperidea (Pelagic)	101	Christodoulou <i>et al.</i> , 2013
2014	Turki	Gammaridea, Caprellidea, Hyperidea	325	Bakir <i>et al.</i> , 2014
2015	Alboran Sea: Spanish coasts	Gammaridea, Caprellidea	243	Navarro-Barranco, 2015
2017	Tunisia	Gammaridea, Caprellidea	138	Zakhama-Sraieb <i>et al.</i> , 2017
2023	Morocco	All	241	This study
2023	Algeria	All	342	This study
2023	Tunisia	All	167	This study
2023	Libya	All	138	This study
2023	Egypt	All	100	This study
2023	South Mediterranean	All	454	This study
	<b>North-Eastern Atlantic</b>			
1979	English Channel	Gammaridea	186	Lincoln, 1979
1979	British Isles	Gammaridea	271	Lincoln, 1979
1999	English Channel	All	232	Dauvin, 1979, 2022
2003	South Bay of Biscay	All	319	Bachelet <i>et al.</i> , 2003
2003	South Bay of Biscay	Gammaridea	284	Bachelet <i>et al.</i> , 2003
2022	English Channel	All	269	Dauvin, 2022

list of amphipods for those countries.

For Morocco, sampling and identification efforts for amphipods should be increased, particularly to the soft bottoms, and in the topographically inaccessible areas, knowing that the southern shore of the Strait of Gibraltar is relatively better known, particularly as regards the Caprellidae. For Tunisia, a better knowledge of amphipods would require an increase in prospection of soft-bottom communities and an increase of sampling effort in the Gulf of Hammamet. In Algeria, while knowledge of amphipods found on soft bottoms is satisfactory, there is a flagrant lack of knowledge about the diversity of amphipods of hard substrates and marine phanerogams meadows.

Similarly, new research on the benthic invertebrates in general and amphipods in particular along the eastern Libyan and Egyptian coasts, would be beneficial to our knowledge of the biodiversity in this area, which could include many new species and also non-indigenous species coming from the Red Sea and the Indian Ocean.

Particular habitats, including *Posidonia oceanica*, *Zostera* spp. and *Cymodocea nodosa* meadows, calcareous red seaweed *Corallina* spp., coralligenous formations, photophilic algae habitats and sensitive environments such as lagoons and estuaries, as well as artificialized habitats (aquaculture and harbour structures), should be studied at the scale of the Southern Mediterranean Sea within an international research project.

More generally, faced with the increase in sea water temperature and the Lessepsian migration into the Mediterranean Sea mainly in its eastern basin, a regular up-to-date checklist could be published every decade or two to assess the temporal changes of amphipod distribution.

New records on amphipods should be added regularly to the Word Amphipoda database (<https://www.marinespecies.org/amphipoda/>). Moreover, it would be useful to create national collections to ensure the long-term conservation of new records, along with all invertebrates recorded in the countries bordering the Southern Mediterranean Sea. An alternative would be to send some specimens of new records to the Museo Civico Di Storia Naturale at Verona, where all the species listed in the Amphipoda of the Mediterranean Sea have been filed.

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**Appendix B. Morocco (in the “First signalisation” column, the names of authors whose work has been carried out in the Spanish enclaves of North Africa are in bold).**

ScientificName_accepted	Authority_accepted	First signalisation
<b>Acidostomatidae Stoddart &amp; Lowry, 2012</b>		
<i>Acidostoma obesum</i>	(Spence Bate, 1862)	<b>Marti, 1997</b>
<b>Ampeliscidae Krøyer, 1842</b>		
<i>Ampelisca anophthalma</i>	Bellan-Santini & Kaim-Malka, 1977	Boutoumit, 2021
<i>Ampelisca brevicornis</i>	(A. Costa, 1853)	Bayed & Bazairi, 2006
<i>Ampelisca diadema</i>	(A. Costa, 1853)	Chevreur & Fage, 1925
<i>Ampelisca rubella</i>	A. Costa, 1864	Bitar, 1987b
<i>Ampelisca ruffoi</i>	Bellan-Santini & Kaim-Malka, 1977	Bayed & Bazairi, 2006
<i>Ampelisca sarsi</i>	Chevreur, 1888	Bayed & Bazairi, 2008
<i>Ampelisca serraticaudata</i>	Chevreur, 1888	Bitar, 1987b
<i>Ampelisca spinipes</i>	Boeck, 1861	Chevreur & Fage, 1925
<i>Ampelisca typica</i>	(Spence Bate, 1857)	Bayed & Bazairi, 2008
<i>Ampelisca latifrons</i>	Schellenberg, 1925	<b>Marti, 1997</b>
<i>Ampelisca multispinosa</i>	Bellan-Santini & Kaim-Malka, 1977	<b>Marti, 1997</b>
<i>Ampelisca remora</i>	Bellan-Santini & Dauvin, 1986	<b>Marti, 1997</b>
<i>Ampelisca spinifer</i>	Reid, 1951	<b>Marti, 1997</b>
<i>Ampelisca tenuicornis</i>	Liljeborg, 1856	<b>Marti, 1997</b>
<b>Ampilochidae Boeck, 1871</b>		
<i>Apolochus neapolitanus</i>	(Della Valle, 1893)	Bitar, 1987a
<i>Apolochus picadurus</i>	(J.L. Barnard, 1962)	Bitar, 1987a
<i>Gitana sarsi</i>	Boeck, 1871	Menioui, 1988
<b>Ampithoidae Boeck, 1871</b>		
<i>Ampithoe ferox</i>	(Chevreur, 1901)	Bitar, 1987b
<i>Ampithoe ramondi</i>	Audouin, 1826	<b>Ferrer-Galdiano, 1924</b>
<i>Ampithoe riedli</i>	Krapp-Schickel, 1968	Menioui & Ruffo, 1988
<i>Ampithoe rubricata</i>	(Montagu, 1808)	Bitar, 1987b
<i>Cymadusa crassicornis</i>	(A. Costa, 1853)	Menioui, 1988
<i>Pleonexes helleri</i>	(Karaman, 1975)	Menioui, 1988
<i>Sunamphitoe pelagica</i>	(H. Milne Edwards, 1830)	Menioui, 1988
<b>Aoridae Stebbing, 1899</b>		
<i>Aora gracilis</i>	(Spence Bate, 1857)	Menioui, 1988
<i>Aora spinicornis</i>	Afonso, 1976	Bitar, 1987b
<i>Aora typica</i>	Krøyer, 1845	Menioui, 2006
<i>Autonoe spiniventris</i>	Della Valle, 1893	Bayed & Bazairi, 2006
<i>Lembos websteri</i>	Spence Bate, 1857	Menioui, 1988
<i>Microdeutopus algicola</i>	Della Valle, 1893	<b>Marti, 1997</b>
<i>Microdeutopus armatus</i>	Chevreur, 1887	<b>Marti, 1997</b>
<i>Microdeutopus chelififer</i>	(Spence Bate, 1862)	Bitar, 1987b
<i>Microdeutopus damnoniensis</i>	(Spence Bate, 1857)	Menioui, 1988
<i>Microdeutopus gryllotalpa</i>	A. Costa, 1853	Boutoumit, 2021
<i>Microdeutopus obtusatus</i>	Myers, 1973	Menioui, 1988
<i>Microdeutopus similis</i>	Myers, 1977	Menioui & Ruffo, 1988
<i>Microdeutopus stationis</i>	Della Valle, 1893	Menioui, 1988

*Continued*

**Appendix B. Morocco continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Microdeutopus versiculatus</i>	(Spence Bate, 1857)	Boutahar <i>et al.</i> , 2020
<b>Atylidae Lilljeborg, 1865</b>		
<i>Nototropis guttatus</i>	(A. Costa in Hope, 1851)	Menioui, 1988
<i>Nototropis massiliensis</i>	(Bellan-Santini, 1975)	Bitar, 1987a
<i>Nototropis veldomensis</i>	(Spence Bate & Westwood, 1862)	Menioui, 2006
<i>Nototropis swammerdamei</i>	(H. Milne Edwards, 1830)	Boutahar <i>et al.</i> , 2020
<b>Bathyporeiidae d'Udekem d'Acoz, 2011</b>		
<i>Bathyporeia cf elegans</i>	Watkin, 1938	Boutahar <i>et al.</i> , 2020
<i>Bathyporeia guilliamsoniana</i>	(Spence Bate, 1857)	Bayed & Bazairi, 2008
<i>Bathyporeia nana</i>	Toulmond, 1966	Menioui, 2006
<i>Bathyporeia phaiophthalma</i>	Bellan-Santini, 1973	Bayed & Bazairi, 2006
<i>Bathyporeia tenuipes</i>	Meinert, 1877	Menioui, 2006
<b>Calliopiidae G.O. Sars, 1893</b>		
<i>Amphithopsis depressa</i>	Schiecke, 1976	<b>Navarro-Barranco <i>et al.</i>, 2021</b>
<i>Apherusa alacris</i>	Krapp-Schickel, 1969	Menioui & Ruffo, 1988
<i>Apherusa bispinosa</i>	(Spence Bate, 1857)	<b>Marti, 1997</b>
<i>Apherusa chiereghinii</i>	Giordani- Soika, 1949	<b>Navarro-Barranco <i>et al.</i>, 2019</b>
<i>Apherusa henneguyi</i>	Chevreur & Fage, 1925	Chevreur & Fage, 1925
<i>Apherusa mediterranea</i>	Chevreur, 1911	Bitar, 1987a
<b>Caprellidae Leach, 1814</b>		
<i>Caprella acanthifera</i>	Leach, 1814	<b>Ferrer-Galdiano, 1924</b>
<i>Caprella acanthifera discrepans</i>	Mayer, 1890	<b>Guerra-García, 2001</b>
<i>Caprella cavediniae</i>	Krapp-Schickel & Vader, 1998	<b>Guerra-García, 2001</b>
<i>Caprella ceutae</i>	Guerra-García & Takeuchi, 2001	<b>Guerra-García, 2001</b>
<i>Caprella danilevskii</i>	Czerniavski, 1868	Menioui, 1988
<i>Caprella dilatata</i>	Krøyer, 1843	Menioui, 1988
<i>Caprella equilibra</i>	Say, 1818	<b>Ferrer- Galdiano, 1924</b>
<i>Caprella erethizon</i>	Mayer, 1901	<b>Guerra-García, 2001</b>
<i>Caprella fretensis</i>	Stebbing, 1878	<b>Guerra-García, 2001</b>
<i>Caprella grandimana</i>	Mayer, 1882	<b>Guerra-García, 2001</b>
<i>Caprella hirsuta</i>	Mayer, 1890	Bitar, 1987b
<i>Caprella liparotensis</i>	Haller, 1879	Menioui, 1988
<i>Caprella monai</i>	Guerra-García, Sánchez-Moyano & García-Gómez, 2001	<b>Guerra-García <i>et al.</i>, 2001b</b>
<i>Caprella penantis</i>	Leach, 1814	<b>Ferrer-Galdiano, 1924</b>
<i>Caprella sabulensis</i>	Guerra-García, Sánchez-Moyano & García-Gómez, 2001	<b>Guerra-García <i>et al.</i>, 2001a</b>
<i>Caprella santosrosai</i>	Sanchez-Moyano, Jimenez-Martin & Garcia-Gomez, 1995	<b>Guerra-García, 2001</b>
<i>Caprella scaura</i>	Templeton, 1836	Ros <i>et al.</i> , 2013
<i>Caprella takeuchii</i>	Guerra-García, Sánchez-Moyano & García-Gómez, 2001	<b>Guerra-García, 2001</b>
<i>Caprella tuberculata</i>	Guérin-Meneville, 1836	<b>Guerra-García, 2001</b>
<i>Liropus elongatus</i>	Mayer, 1890	<b>Marti, 1997</b>
<i>Pariambus typicus</i>	(Krøyer, 1845)	<b>Guerra-García, 2001</b>
<i>Parvipalpus major</i>	Carausu, 1941	Boutahar <i>et al.</i> , 2020
<i>Pedoculina garciagomezi</i>	Sanchez-Moyano, Carballo & Estacio, 1995	<b>Guerra-García, 2001</b>

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**Appendix B. Morocco continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Phtisica marina</i>	Slabber, 1769	<b>Guerra-García, 2001</b>
<i>Pseudolirius kroyeri</i>	(Haller, 1879)	Boutoumit, 2021
<i>Pseudoprotella inermis</i>	Chevreur, 1919	<b>Guerra-García, 2001</b> ; Guerra-García <i>et al.</i> , 2014
<i>Pseudoprotella phasma</i>	(Montagu, 1804)	Bellan-Santini & Ruffo, 1998
<b>Cheirocratidae d'Udekem d'Acoz, 2010</b>		
<i>Cheirocratus sundevallii</i>	(Rathke, 1843)	<b>Guerra-García &amp; Garcia-Gomez, 2004</b>
<b>Colomastigidae Chevreur, 1899</b>		
<i>Colomastix pusilla</i>	Grube, 1861	Bitar, 1987a
<b>Corophiidae Leach, 1814</b>		
<i>Apocorophium acutum</i>	(Chevreur, 1908)	Bitar, 1987b
<i>Corophium orientale</i>	Schellenberg, 1928	Chaouti & Bayed, 2005
<i>Laticorophium baconi</i>	(Shoemaker, 1934)	Guerra-García <i>et al.</i> , 2023
<i>Leptocheirus guttatus</i>	(Grube, 1864)	Menioui, 1988
<i>Leptocheirus hirsutimanus</i>	(Spence Bate, 1862)	<b>Marti, 1997</b>
<i>Leptocheirus longimanus</i>	Ledoyer, 1973	<b>Guerra-García &amp; Garcia-Gomez, 2004</b>
<i>Leptocheirus mariae</i>	Karaman, 1973	<b>Marti, 1997</b>
<i>Leptocheirus pectinatus</i>	(Norman, 1869)	Bitar, 1987b
<i>Leptocheirus pilosus</i>	Zaddach, 1844	Chaouti & Bayed, 2005
<i>Medicorophium annulatum</i>	(Chevreur, 1908)	<b>Marti, 1997</b>
<i>Medicorophium runcicorne</i>	(Della Valle, 1893)	<b>Marti, 1997</b>
<i>Monocorophium acherusicum</i>	(A. Costa, 1853)	Menioui, 1988
<i>Monocorophium insidiosum</i>	(Crawford, 1937)	Menioui, 1988
<i>Monocorophium sextonae</i>	(Crawford, 1937)	<b>Marti, 1997</b>
<b>Cressidae Stebbing, 1899</b>		
<i>Cressa cristata</i>	Myers, 1969	<b>Navarro-Barranco <i>et al.</i>, 2019</b>
<i>Cressa mediterranea</i>	Ruffo, 1979	<b>Guerra-García <i>et al.</i>, 2009</b>
<b>Cyproideidae J.L. Barnard, 1974</b>		
<i>Peltocoxa damnoniensis</i>	(Stebbing, 1885)	Menioui <i>et al.</i> , 1990
<i>Peltocoxa gibbosa</i>	(Schiecke, 1977)	Menioui & Ruffo, 1988
<i>Peltocoxa marioni</i>	Catta, 1875	Menioui, 1988
<i>Peltocoxa mediterranea</i>	Schiecke, 1977	Menioui & Ruffo, 1988
<b>Dexaminidae Leach, 1814</b>		
<i>Dexamine spiniventris</i>	(A. Costa, 1853)	Bitar, 1987a
<i>Dexamine spinosa</i>	(Montagu, 1813)	<b>Ferrer-Galdiano, 1924</b>
<i>Dexamine thea</i>	Boeck, 1861	Menioui, 1988
<i>Guernea (Guernea) coalita</i>	(Norman, 1868)	Menioui, 1988
<b>Dogielinotidae Gurjanova, 1953</b>		
<i>Marinohyalella richardi</i>	(Chevreur, 1902)	Menioui & Ruffo, 1988
<b>Eriopisidae Lowry &amp; Myers, 2013</b>		
<i>Eriopisella ruffoi</i>	<b>Marti &amp; Villora-Moreno, 1996</b>	<b>Marti &amp; Villora-Moreno, 1996</b>
<b>Gammaridae Latreille, 1802</b>		
<i>Gammarus aequicauda</i>	(Martynov, 1931)	Bousselloua & Menioui, 1995
<i>Gammarus chevreurii</i>	Sexton, 1913	Chaouti & Bayed, 2005

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**Appendix B. Morocco continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Gammarus insensibilis</i>	Stock, 1966	Menioui, 1988
<i>Gammarus locusta</i>	(Linnaeus, 1758)	<b>Ferrer-Galdiano, 1924</b>
<i>Gammarus subtypicus</i>	Stock, 1966	Bousselloua & Menioui, 1995
<i>Pectenogammarus pungens</i>	(H. Milne Edwards, 1840)	Chevreur & Fage, 1925
<b>Haustoriidae Stebbing, 1906</b>		
<i>Haustorius algeriensis</i>	Mulot, 1968	Boutoumit, 2021
<i>Haustorius arenarius</i>	(Slabber, 1769)	Menioui, 2006
<b>Hyalidae Bulyčeva, 1957</b>		
<i>Apohyale crassipes</i>	(Heller, 1866)	Menioui, 1988
<i>Apohyale perieri</i>	(Lucas, 1846)	Menioui, 1988
<i>Apohyale prevostii</i>	(H. Milne Edwards, 1830)	Bitar, 1987b
<i>Apohyale stebbingi</i>	(Chevreux, 1888)	Bitar, 1987
<i>Hyale pontica</i>	Rathke, 1836	Menioui, 1988
<i>Protohyale (Boreohyale) camptonyx</i>	(Heller, 1866)	Menioui, 1988
<i>Protohyale (Protohyale) schmidtii</i>	(Heller, 1866)	Bitar, 1987b
<i>Ptilohyale eburnea</i>	(Krapp-Schickel, 1974)	<b>Guerra-García et al., 2009</b>
<i>Serejohyale spinidactylus</i>	(Chevreux, 1926)	<b>Sedano et al., 2020</b>
<b>Hyperiididae Dana, 1852</b>		
<i>Hyperia galba</i>	(Montagu, 1813)	Menioui, 1988
<b>Iphimediidae Boeck, 1871</b>		
<i>Iphimedia brachygnatha</i>	Ruffo & Schiecke, 1979	Bitar, 1987a
<i>Iphimedia minuta</i>	(Spence Bate, 1857)	<b>Marti, 1997</b>
<b>Ischyroceridae Stebbing, 1899</b>		
<i>Centraloecetes kroyeranus</i>	G.O. Sars, 1883	<b>Marti, 1997</b>
<i>Centraloecetes bulborostrum</i>	De-la-Ossa-Carretero & Marti, 2014	<b>Marti, 1997</b>
<i>Centraloecetes dellavallei</i>	(Stebbing, 1899)	Boutoumit, 2021
<i>Coxischyrocerus inexpectatus</i>	(Ruffo, 1959)	Menioui & Ruffo, 1988
<i>Erichthonius argenteus</i>	Krapp-Schickel, 1993	Boutahar et al., 2020
<i>Erichthonius brasiliensis</i>	(Dana, 1853)	<b>Ferrer-Galdiano, 1924</b>
<i>Erichthonius fasciatus</i>	(Stimpson, 1853)	Boussalwa et al., 2000
<i>Erichthonius punctatus</i>	(Spence Bate, 1857)	Bousselloua & Menioui, 1995
<i>Erichthonius rubricornis</i>	(Stimpson, 1853)	Boutoumit, 2021
<i>Ischyrocerus anguipes</i>	Krøyer, 1838	Menioui, 1988
<i>Jassa falcata</i>	(Montagu, 1808)	Menioui, 1988
<i>Jassa marmorata</i>	Holmes, 1905	Guerra-García et al., 2009
<i>Jassa slatteryi</i>	Conlan, 1990	<b>Ros et al., 2020</b>
<i>Microjassa cumbrensis</i>	(Stebbing & Robertson, 1891)	<b>Navarro-Barranco et al., 2021</b>
<i>Parajassa pelagica</i>	(Leach, 1814)	Menioui & Ruffo, 1988
<i>Plumulojassa oca</i>	(Spence Bate, 1862)	Menioui, 1988
<i>Siphonoecetes sabatieri</i>	Rouville, 1894	Menioui, 1988
<b>Kamakidae Myers &amp; Lowry, 2003</b>		
<i>Cerapopsis longipes</i>	Della Valle, 1893	Bitar, 1987b
<b>Kuriidae J.L. Barnard, 1964</b>		
<i>Micropythia carinata</i>	(Spence Bate, 1862)	Bitar, 1987b

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Appendix B. Morocco continued

ScientificName_accepted	Authority_accepted	First signalisation
<b>Leucothoidae Dana, 1852</b>		
<i>Leucothoe euryonyx</i>	Walker, 1901	Bitar, 1987b
<i>Leucothoe incisa</i>	Robertson, 1892	Bayed & Bazairi, 2006
<i>Leucothoe lilljeborgi</i>	Boeck, 1861	Menioui, 2006
<i>Leucothoe oboa</i>	Karaman, 1971	<b>Guerra-García &amp; Garcia-Gomez, 2004</b>
<i>Leucothoe occulta</i>	Krapp-Schickel, 1975	Menioui, 2006
<i>Leucothoe procera</i>	Spence Bate, 1857	Menioui, 2006
<i>Leucothoe spinicarpa</i>	(Abildgaard, 1789)	Bitar, 1987b
<b>Liljeborgiidae Stebbing, 1899</b>		
<i>Idunella nana</i>	(Schiecke, 1973)	<b>Guerra-García &amp; Garcia-Gomez, 2004</b>
<i>Liljeborgia dellavallei</i>	Stebbing, 1906	Bitar, 1987b
<b>Lysianassidae Dana, 1849</b>		
<i>Acosta punctata</i>	(A. Costa in Hope, 1851)	Bayed & Bazairi, 2008
<i>Lysianassa costae</i>	H. Milne Edwards, 1830	Menioui & Ruffo, 1988
<i>Lysianassa insperata</i>	Lincoln, 1979	<b>Marti, 1997</b>
<i>Lysianassa pilicornis</i>	Heller, 1866	<b>Marti, 1997</b>
<i>Lysianassa plumosa</i>	Boeck, 1871	<b>Marti, 1997</b>
<i>Lysianassina longicornis</i>	(Lucas, 1846)	Menioui, 1988
<b>Maeridae Krapp-Schickel, 2008</b>		
<i>Animoceradocus semiserratus</i>	(Spence Bate, 1862)	<b>Marti, 1997</b>
<i>Elasmopus brasiliensis</i>	(Dana, 1853)	Bitar, 1987b
<i>Elasmopus pecteniscus</i>	(Spence Bate, 1862)	Bitar, 1987a
<i>Elasmopus pocillimanus</i>	(Spence Bate, 1862)	Bitar, 1987b
<i>Elasmopus rapax</i>	A. Costa, 1853	Bitar, 1987a
<i>Elasmopus vachoni</i>	Mateus & Mateus, 1966	Menioui & Ruffo, 1988
<i>Maera grossimana</i>	(Montagu, 1808)	Bitar, 1987b
<i>Maera hironellei</i>	Chevreur, 1900	<b>Marti, 1997</b>
<i>Maeropsis revelata</i>	(Krapp-Schickel, Marti & Ruffo, 1996)	<b>Krapp-Schickel, Marti, Ruffo, 1996</b>
<i>Othomaera knudseni</i>	(Reid, 1951)	Menioui, 2006
<i>Othomaera othonis</i>	(H. Milne Edwards, 1830)	<b>Marti, 1997</b>
<i>Quadrimaera inaequipipes</i>	(A. Costa in Hope, 1851)	Bitar, 1987b
<b>Megalurotidae Thomas &amp; Barnard, 1986</b>		
<i>Megaluropius agilis</i>	Hoek, 1889	<b>Chevreur, 1895</b>
<i>Megaluropus massiliensis</i>	Ledoyer, 1976	Chevreur & Fage, 1925
<i>Megaluropus monasteriensis</i>	Ledoyer, 1976	<b>Guerra-García &amp; Garcia-Gomez, 2004</b>
<b>Melitidae Bousfield, 1973</b>		
<i>Abludomelita gladiosa</i>	(Spence Bate, 1862)	Boutahar <i>et al.</i> , 2020
<i>Melita bulla</i>	Karaman, 1978	<b>Marti, 1997</b>
<i>Melita coroninii</i>	Heller, 1866	Menioui, 1988
<i>Melita hergensis</i>	Reid, 1939	<b>Marti, 1997</b>
<i>Melita palmata</i>	(Montagu, 1804)	Bitar, 1987b
<b>Microprotopidae Myers &amp; Lowry, 2003</b>		
<i>Microprotopus longimanus</i>	Chevreur, 1887	Menioui, 1988

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**Appendix B. Morocco continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Microprotopus maculatus</i>	Norman, 1867	Boutahar <i>et al.</i> , 2020
<b>Nuuanuidae Lowry &amp; Myers, 2013</b>		
<i>Gammarella fucicola</i>	(Leach, 1814)	Bitar, 1987a
<i>Nuuanu garciai</i>	(Marti & Villora-Moreno, 1995)	<b>Marti, 1997</b>
<b>Oedicerotidae Lilljeborg, 1865</b>		
<i>Deflexilodes gibbosus</i>	(Chevreux, 1888)	<b>Marti, 1997</b>
<i>Deflexilodes griseus</i>	(Della Valle, 1893)	Boutahar <i>et al.</i> , 2020
<i>Kroyera carinata</i>	Spence Bate, 1857	Menioui, 1988
<i>Periocolodes aequimanus</i>	(Kossman, 1880)	Bitar, 1987b
<i>Periocolodes longimanus</i>	(Spence Bate & Westwood, 1868)	Menioui, 1988
<i>Pontocrates altamarinus</i>	(Spence Bate & Westwood, 1862)	Menioui, 1988
<i>Pontocrates arenarius</i>	(Spence Bate, 1858)	Bayed & Bazairi, 2008
<i>Synchelidium haplocheles</i>	(Grube, 1864)	<b>Marti, 1997</b>
<i>Synchelidium longidigitatum</i>	Ruffo, 1947	<b>Marti, 1997</b>
<i>Synchelidium maculatum</i>	Stebbing, 1906	Menioui, 1988
<i>Westwoodilla caecula</i>	(Spence Bate, 1857)	Menioui <i>et al.</i> , 1990
<b>Phliantidae Stebbing, 1899</b>		
<i>Pereionotus testudo</i>	(Montagu, 1808)	Bitar, 1987b
<b>Photidae Boeck, 1871</b>		
<i>Gammaropsis maculata</i>	(Johnston, 1828)	Bitar, 1987b
<i>Gammaropsis palmata</i>	(Stebbing & Robertson, 1891)	Boutahar <i>et al.</i> , 2020
<i>Gammaropsis sophiae</i>	(Boeck, 1861)	<b>Marti, 1997</b>
<i>Photis lamellifera</i>	Schellenberg, 1928	<b>Guerra-García &amp; García-Gómez, 2004</b>
<i>Photis longicaudata</i>	(Spence Bate & Westwood, 1862)	Bitar, 1987b
<b>Phoxocephalidae G.O. Sars, 1891</b>		
<i>Harpinia ala</i>	Karaman, 1987	Boutahar <i>et al.</i> , 2020
<i>Harpinia antennaria</i>	Meinert, 1890	Bayed & Bazairi, 2006
<i>Harpinia crenulata</i>	(Boeck, 1871)	Boutahar <i>et al.</i> , 2020
<i>Harpinia dellavallei</i>	Chevreux, 1911	<b>Marti, 1997</b>
<i>Harpinia laevis</i>	G.O. Sars, 1891	Menioui, 1988
<i>Harpinia pectinata</i>	Sars, 1891	Menioui, 1988
<i>Metaphoxus fultoni</i>	(Scott, 1890)	Menioui, 2006
<i>Metaphoxus simplex</i>	(Spence Bate, 1857)	Menioui, 1988
<b>Podoceridae Leach, 1814</b>		
<i>Podocerus variegatus</i>	Leach, 1814	Bitar, 1987b
<b>Pontogeneiidae Stebbing, 1906</b>		
<i>Eusiroides dellavallei</i>	Chevreux, 1899	Bitar, 1987a
<b>Stenothoidae Boeck, 1871</b>		
<i>Stenothoe cattai</i>	Stebbing, 1906	Sedano <i>et al.</i> , 2020
<i>Stenothoe dollfusi</i>	Chevreux, 1887	<b>Marti, 1997</b>
<i>Stenothoe gallensis</i>	Walker, 1904	Bitar, 1987b
<i>Stenothoe georgiana</i>	Bynum & Fox, 1977	<b>Ros <i>et al.</i>, 2020</b>
<i>Stenothoe marina</i>	(Spence Bate, 1857)	<b>Ferrer-Galdiano, 1924</b>
<i>Stenothoe monoculoides</i>	(Montagu, 1813)	Bitar, 1987b

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Appendix B. Morocco continued

ScientificName_accepted	Authority_accepted	First signalisation
<i>Stenothoe tergestina</i>	(Nebeski, 1881)	Bitar, 1987b
<i>Stenothoe valida</i>	Dana, 1852	<b>Ros et al., 2020</b>
<b>Talitridae Rafinesque, 1815</b>		
<i>Cryptorchestia cavimana</i>	(Heller, 1865)	Charfi-Cheikhrouha & El Gtari, 2008
<i>Deshayesorchestia deshayesii</i>	(Audouin, 1826)	Chaouti & Bayed, 2005
<i>Orchestia gammarellus</i>	(Pallas, 1766)	Akssissou et al., 1998
<i>Talitrus saltator</i>	(Montagu, 1808)	<b>Ferrer-Galdiano, 1924</b>
<b>Tryphosidae Lowry &amp; Stoddart, 1997</b>		
<i>Hippomedon massiliensis</i>	Bellan-Santini, 1965	Bayed & Bazairi, 2017
<i>Hippomedon denticulatus</i>	(Spence Bate, 1857)	Chevreur & Fage, 1925
<i>Hippomedon oculatus</i>	Ruffo & Schiecke, 1977	Bitar, 1987b
<i>Lepidepcreum crypticum</i>	(Spence Bate & Westwood, 1861)	Bitar, 1987b
<i>Lepidepcreum longicorne</i>	Chevreur & Fage, 1925	<b>Marti, 1997</b>
<i>Orchomene humilis</i>	(A. Costa, 1853)	<b>Marti, 1997</b>
<i>Tryphosa nana</i>	(Krøyer, 1846)	Menioui, 1988
<i>Tryphosella minima</i>	(Chevreur, 1911)	<b>Marti, 1997</b>
<i>Tryphosites longipes</i>	(Spence Bate & Westwood, 1861)	Boutahar et al., 2020
<b>Urothoidae Bousfield, 1978</b>		
<i>Urothoe elegans</i>	Spence Bate, 1857	Menioui, 1988
<i>Urothoe grimaldii</i>	Chevreur, 1895	<b>Chevreur, 1895</b>
<i>Urothoe intermedia</i>	Bellan-Santini & Ruffo, 1986	Bayed & Bazairi, 2006
<i>Urothoe marina</i>	(Spence Bate, 1857)	Bitar, 1987b
<i>Urothoe poseidonis</i>	Reibish, 1905	<b>Marti, 1997</b>
<i>Urothoe pulchella</i>	(A. Costa, 1853)	<b>Chevreur, 1895</b>

## Appendix B Algeria

ScientificName_accepted	Authority_accepted	First signalisation
<b>Acidostomatidae Stoddart &amp; Lowry, 2012</b>		
<i>Acidostoma obesum</i>	(Spence Bate, 1862)	Hassam, 1991; Oulmi, 1991
<b>Ampeliscidae Krøyer, 1842</b>		
<i>Ampelisca antennata</i>	Bellan-Santini & Kaim-Malka, 1977	Hassam, 1991; Oulmi, 1991
<i>Ampelisca brevicornis</i>	(A. Costa, 1853)	Chevreur, 1911
<i>Ampelisca calypsonis</i>	Bellan-Santini & Kaim-Malka, 1977	Oulmi, 1991
<i>Ampelisca dalmatina</i>	Karaman, 1975	Grimes <i>et al.</i> , 2009
<i>Ampelisca diadema</i>	(A. Costa, 1853)	Chevreur, 1911
<i>Ampelisca gibba</i>	G.O. Sars, 1883	Hassam, 1991; Oulmi, 1991
<i>Ampelisca jaffaensis</i>	Bellan-Santini & Kaim-Malka, 1977	Hassam, 1991; Oulmi, 1991
<i>Ampelisca ledoyeri</i>	Bellan-Santini & Kaim-Malka, 1977	Hassam, 1991; Oulmi, 1991
<i>Ampelisca massiliensis</i>	Bellan-Santini & Kaim-Malka, 1977	Hassam, 1991; Oulmi, 1991
<i>Ampelisca multispinosa</i>	Bellan-Santini & Kaim-Malka, 1977	Bakalem, 1979
<i>Ampelisca planierensis</i>	Bellan-Santini & Kaim-Malka, 1977	Bakalem & Dauvin, 1995
<i>Ampelisca provincialis</i>	Bellan-Santini & Kaim-Malka, 1977	Bakalem, 1979
<i>Ampelisca pseudosarsi</i>	Bellan-Santini & Kaim-Malka, 1977	Bakalem, 1979
<i>Ampelisca pseudospinimana</i>	Bellan-Santini & Kaim-Malka, 1977	Bakalem, 1979
<i>Ampelisca rubella</i>	A. Costa, 1864	Chevreur, 1911
<i>Ampelisca ruffoi</i>	Bellan-Santini & Kaim-Malka, 1977	Hassam, 1991; Oulmi, 1991
<i>Ampelisca sarsi</i>	Chevreur, 1888	Bakalem, 1979
<i>Ampelisca serraticaudata</i>	Chevreur, 1888	Chevreur, 1911
<i>Ampelisca spinifer</i>	Reid, 1951	Hassam, 1991; Oulmi, 1991
<i>Ampelisca spinimana</i>	Chevreur, 1887	Le Gall, 1969
<i>Ampelisca spinipes</i>	Boeck, 1861	Bakalem, 1979
<i>Ampelisca tenuicornis</i>	Liljeborg, 1856	Chevreur, 1911
<i>Ampelisca truncata</i>	Bellan-Santini & Kaim-Malka, 1977	Hassam, 1991; Oulmi, 1991
<i>Ampelisca typica</i>	(Spence Bate, 1857)	Chevreur, 1911
<i>Ampelisca unidentata</i>	Schellenberg, 1936	Bakalem & Dauvin, 1995
<i>Ampelisca vervecei</i>	Bellan-Santini & Kaim-Malka, 1977	Oulmi, 1991
<i>Haploops dellavallei</i>	Stebbing, 1893	Oulmi, 1991
<i>Haploops nirae</i>	Kaim-Malka, 1976	Hassam, 1991
<b>Amphilochoidea Boeck, 1871</b>		
<i>Amphilochoidea longimanus</i>	(Chevreur, 1888)	Hassam, 1991; Oulmi, 1991
<i>Amphilochoidea serratipes</i>	(Norman, 1869)	Bakalem & Dauvin, 1995
<i>Apolochus brunneus</i>	(Della Valle, 1893)	Chevreur, 1911
<i>Apolochus neapolitanus</i>	(Della Valle, 1893)	Chevreur, 1911
<i>Gitana longicarpus</i>	Ledoyer, 1977	Bakalem <i>et al.</i> , 2014
<i>Gitana sarsi</i>	Boeck, 1871	Chevreur, 1911
<b>Ampithoidea Boeck, 1871</b>		
<i>Ampithoe ferox</i>	(Chevreur, 1901)	Bakalem, 1979
<i>Ampithoe ramondi</i>	Audouin, 1826	Lucas, 1846
<i>Ampithoe riedli</i>	Krapp-Schickel, 1968	Oulmi, 1991
<i>Biancolina algicola</i>	Della Valle, 1893	Grimes <i>et al.</i> , 2009
<i>Cymadusa crassicornis</i>	(A. Costa, 1853)	Falconetti, 1970
<i>Cymadusa filosa</i>	Savigny, 1816	Chevreur, 1911
<i>Pleonexes gammaroides</i>	Spence Bate, 1857	Chevreur, 1911

*Continued*

**Appendix B. Algeria continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Pleonexes helleri</i>	(Karaman, 1975)	Oulmi, 1991
<i>Sunamphitoe pelagica</i>	(H. Milne Edwards, 1830)	Chevreur, 1911
<b>Aoridae Stebbing, 1899</b>		
<i>Aora gracilis</i>	(Spence Bate, 1857)	Chevreur, 1911
<i>Aora spinicornis</i>	Afonso, 1976	Bakalem, 1979
<i>Autonoe angularis</i>	(Ledoyer, 1970)	Hassam, 1991; Oulmi, 1991
<i>Autonoe hirsutipes</i>	(Stebbing, 1895)	Hassam, 1991
<i>Autonoe karamani</i>	(Myers, 1976)	Hassam, 1991
<i>Autonoe rubromaculatus</i>	(Ledoyer, 1973)	Hassam, 1991; Oulmi, 1991
<i>Autonoe spiniventris</i>	Della Valle, 1893	Bakalem, 1979
<i>Autonoe viduarum</i>	(Myers, 1974)	Hassam, 1991; Oulmi, 1991
<i>Lembos websteri</i>	Spence Bate, 1857	Chevreur, 1911
<i>Microdeutopus algicola</i>	(Spence Bate, 1857)	Chevreur, 1911
<i>Microdeutopus anomalus</i>	(Rathke, 1843)	Oulmi, 1991
<i>Microdeutopus armatus</i>	Chevreur, 1887	Hassam, 1991; Oulmi, 1991
<i>Microdeutopus bifidus</i>	Myers, 1977	Oulmi, 1991
<i>Microdeutopus chelifera</i>	(Spence Bate, 1862)	Bakalem, 1979
<i>Microdeutopus gryllotalpa</i>	A. Costa, 1853	Chevreur, 1911
<i>Microdeutopus obtusatus</i>	Myers, 1973	Oulmi, 1991
<i>Microdeutopus similis</i>	Myers, 1977	Grimes <i>et al.</i> , 2009
<i>Microdeutopus sporadhi</i>	Myers, 1969	Grimes <i>et al.</i> , 2009
<i>Microdeutopus stationis</i>	Della Valle, 1893	Chevreur, 1911
<i>Microdeutopus versiculatus</i>	(Spence Bate, 1857)	Falconetti, 1970
<i>Tethylembos viguieri</i>	(Chevreur, 1911)	Chevreur, 1911
<b>Argissidae Walker, 1904</b>		
<i>Argissa hamatipes</i>	(Norman, 1869)	Grimes <i>et al.</i> , 2009
<b>Aristiidae Lowry &amp; Stoddart, 1997</b>		
<i>Aristias neglectus</i>	Hansen, 1888	Chevreur, 1911
<i>Perrierella audouiniana</i>	(Spence Bate, 1857)	Chevreur, 1911
<b>Atylidae Lilljeborg, 1865</b>		
<i>Nototropis falcatus</i>	(Metzger, 1871)	Grimes <i>et al.</i> , 2009
<i>Nototropis guttatus</i>	(A. Costa in Hope, 1851)	Chevreur, 1911
<i>Nototropis massiliensis</i>	(Bellan-Santini, 1975)	Bakalem, 1979
<i>Nototropis swammerdamei</i>	(H. Milne Edwards, 1830)	Chevreur, 1911
<i>Nototropis vedlomensis</i>	(Spence Bate & Westwood, 1862)	Falconetti, 1970
<b>Bathyporeiidae d'Udekem d'Acoz, 2011</b>		
<i>Bathyporeia borgi</i>	d'Udekem d'Acoz & Vader, 2005	Grimes <i>et al.</i> , 2009
<i>Bathyporeia guilliamsoniana</i>	(Spence Bate, 1857)	Chevreur, 1911
<i>Bathyporeia lindstromi</i>	Stebbing, 1906	Grimes <i>et al.</i> , 2009
<i>Bathyporeia nana</i>	Toulmond, 1966	Bakalem, 2008
<i>Bathyporeia phaiophthalma</i>	Bellan-Santini, 1973	Bakalem, 2008
<b>Bogidiellidae Hertzog, 1936</b>		
<i>Marinobogidiella tyrrhenica</i>	(Schiecke, 1979)	Bakalem <i>et al.</i> , 2014
<i>Medigidiella chappuisi</i>	(Ruffo, 1952)	Ruffo, 1954
<b>Calliopiidae G.O. Sars, 1893</b>		
<i>Apherusa bispinosus</i>	(Spence Bate, 1857)	Chevreur, 1911
<i>Apherusa chiereghinii</i>	Giordani- Soika, 1949	Oulmi, 1991

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**Appendix B. Algeria continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Apherusa mediterranea</i>	Chevreur, 1911	Chevreur, 1911
<i>Apherusa vexatrix</i>	Krapp-Schickel, 1979	Oulmi, 1991
<b>Caprellidae Leach, 1814</b>		
<i>Caprella acanthifera</i>	Leach, 1814	Hassam, 1991; Oulmi, 1991
<i>Caprella andreae</i>	Mayer, 1890	Mc Cain, 1968
<i>Caprella danilevskii</i>	Czerniavski, 1868	Chevreur & Fage, 1925
<i>Caprella dilatata</i>	Krøyer, 1843	Mc Cain & Steinberg, 1970
<i>Caprella equilibra</i>	Say, 1818	Mayer, 1890
<i>Caprella grandimana</i>	Mayer, 1882	Bakalem <i>et al.</i> , 2014
<i>Caprella hirsuta</i>	Mayer, 1890	Chevreur & Fage, 1925
<i>Caprella linearis</i>	(Linnaeus, 1767)	Hassam, 1991
<i>Caprella liparotensis</i>	Haller, 1879	Chevreur & Fage, 1925
<i>Caprella mitis</i>	Mayer, 1890	Bakalem, 1979
<i>Caprella penantis</i>	Leach, 1814	Mayer, 1890
<i>Caprella rapax</i>	Mayer, 1890	Bakalem <i>et al.</i> , 2014
<i>Deutella shieckei</i>	Cavedini, 1982	Bakalem <i>et al.</i> , 2014
<i>Liropus elongatus</i>	Mayer, 1890	Bakalem, 1979
<i>Pariambus typicus</i>	(Krøyer, 1845)	Chevreur & Fage, 1925
<i>Parvipalpus linea</i>	Mayer, 1890	Grimes <i>et al.</i> , 2009
<i>Phtisica marina</i>	Slabber, 1769	Falconetti, 1970
<i>Pseudolirius kroyeri</i>	(Haller, 1879)	Chevreur & Fage, 1925
<i>Pseudoprotella phasma</i>	(Montagu, 1804)	Falconetti, 1970
<b>Cheirocratidae d'Udekem d'Acoz, 2010</b>		
<i>Cheirocratus assimilis</i>	(Lilljeborg, 1852)	Hassam, 1991; Oulmi, 1991
<i>Cheirocratus intermedius</i>	G.O. Sars, 1894	Hassam, 1991
<i>Cheirocratus monodontis</i>	G. Karaman, 1977	Hassam, 1991; Oulmi, 1991
<i>Cheirocratus sundevallii</i>	(Rathke, 1843)	Chevreur, 1911
<i>Degocheirocratus spani</i>	G. Karaman, 1985	Bakalem <i>et al.</i> , 2014
<b>Cheluridae Allman, 1847</b>		
<i>Chelura terebrans</i>	Philippi, 1839	Chevreur, 1911
<b>Colomastigidae Chevreur, 1899</b>		
<i>Colomastix pusilla</i>	Grube, 1861	Chevreur, 1911
<b>Corophiidae Leach, 1814</b>		
<i>Apocorophium acutum</i>	(Chevreur, 1908)	Chevreur, 1911
<i>Corophium orientale</i>	Schellenberg, 1928	Bellan-Santini <i>et al.</i> , 1982
<i>Leptocheirus bispinosus</i>	Norman, 1908	Chevreur, 1911
<i>Leptocheirus guttatus</i>	(Grube, 1864)	Chevreur, 1911
<i>Leptocheirus hirsutimanus</i>	(Spence Bate, 1862)	Falconetti, 1970
<i>Leptocheirus longimanus</i>	Ledoyer, 1973	Grimes <i>et al.</i> , 2009
<i>Leptocheirus mariae</i>	Karaman, 1973	Hassam, 1991; Oulmi, 1991
<i>Leptocheirus pectinatus</i>	(Norman, 1869)	Chevreur, 1911
<i>Leptocheirus pilosus</i>	Zaddach, 1844	Hassam, 1991
<i>Medicorophium aculeatum</i>	(Chevreur, 1908)	Hassam, 1991; Oulmi, 1991
<i>Medicorophium annulatum</i>	(Chevreur, 1908)	Chevreur, 1911
<i>Medicorophium minimum</i>	(Schiecke, 1978)	Hassam, 1991; Oulmi, 1991
<i>Medicorophium rotundirostre</i>	(Stephensen, 1915)	Bakalem, 1979
<i>Medicorophium runcicorne</i>	(Della Valle, 1893)	Chevreur, 1911

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**Appendix B. Algeria continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Monocorophium acherusicum</i>	(A. Costa, 1853)	Chevreur, 1911
<i>Monocorophium insidiosum</i>	(Crawford, 1937)	Bakalem, 1979
<i>Monocorophium sextonae</i>	(Crawford, 1937)	Bakalem & Dauvin, 1995
<b>Cressidae Stebbing, 1899</b>		
<i>Cressa mediterranea</i>	Ruffo, 1979	Bakalem <i>et al.</i> , 2014
<b>Cyproideidae J.L. Barnard, 1974</b>		
<i>Peltocoxa marioni</i>	Catta, 1875	Chevreur, 1911
<i>Peltocoxa mediterranea</i>	Schiecke, 1977	Bakalem <i>et al.</i> , 2014
<b>Dexaminidae Leach, 1814</b>		
<i>Dexamine spiniventris</i>	(A. Costa, 1853)	Chevreur, 1911
<i>Dexamine spinosa</i>	(Montagu, 1813)	Chevreur, 1911
<i>Dexamine thea</i>	Boeck, 1861	Grimes <i>et al.</i> , 2009
<i>Guernea (Guernea) coalita</i>	(Norman, 1868)	Chevreur, 1911
<i>Tritaeta gibbosa</i>	(Spence Bate, 1862)	Oulmi, 1991
<b>Dogielinotidae Gurjanova, 1953</b>		
<i>Marinohyaella richardi</i>	(Chevreur, 1902)	Bakalem <i>et al.</i> , 2014
<b>Eriopisidae Lowry &amp; Myers, 2013</b>		
<i>Eriopisa elongata</i>	(Bruzelius, 1859)	Chevreur, 1911
<i>Psammogammarus caecus</i>	Karaman, 1955	Hassam, 1991; Oulmi, 1991
<b>Eusiridae Stebbing, 1888</b>		
<i>Eusirus longipes</i>	Boeck, 1861	Grimes <i>et al.</i> , 2009
<i>Rhachotropis inermis</i>	Ledoyer, 1977	Hassam, 1991
<b>Gammarellidae Bousfield, 1977</b>		
<i>Gammarellus angulosus</i>	(Rathke, 1843)	Grimes <i>et al.</i> , 2009
<b>Gammaridae Latreille, 1802</b>		
<i>Echinogammarus incertae sedis dahli</i>	(Stock, 1968)	Chevreur & Fage, 1925
<i>Gammarus aequicauda</i>	(Martynov, 1931)	Bakalem, 1979
<i>Gammarus crinicornis</i>	Stock, 1966	Stock, 1967
<i>Gammarus insensibilis</i>	Stock, 1966	Bakalem, 1979
<i>Gammarus locusta</i>	(Linnaeus, 1758)	Lucas, 1846
<i>Pectenogammarus foxi</i>	(Schellenberg, 1928)	Bakalem <i>et al.</i> , 2014
<i>Pectenogammarus olivii</i>	(H. Milne Edwards, 1830)	Lucas, 1846
<i>Pectenogammarus pungens</i>	(H. Milne Edwards, 1840)	Chevreur & Fage, 1925
<i>Pectenogammarus stocki</i>	(G. Karaman, 1970)	Bakalem <i>et al.</i> , 2014
<i>Rhipidogammarus rhipidiophorus</i>	(Catta, 1878)	Stock, 1971
<b>Haustoriidae Stebbing, 1906</b>		
<i>Haustorius algeriensis</i>	Mulot, 1968	Mulot, 1968
<b>Hyalidae Bulyčeva, 1957</b>		
<i>Apohyale crassipes</i>	(Heller, 1866)	Benali, 2020
<i>Apohyale perieri</i>	(Lucas, 1846)	Lucas, 1846
<i>Apohyale prevostii</i>	(H. Milne Edwards, 1830)	Chevreur, 1911
<i>Apohyale stebbingi</i>	(Chevreur, 1888)	Chevreur, 1911
<i>Hyale pontica</i>	Rathke, 1836	Chevreur, 1911
<i>Parhyale aquilina</i>	(Costa, 1857)	Chevreur, 1911
<i>Parhyale plumicornis</i>	(Heller, 1866)	Chevreur, 1911
<i>Protohyale (Boreohyale) camptonyx</i>	(Heller, 1866)	Chevreur, 1911
<i>Protohyale (Protohyale) grimaldii</i>	(Chevreur, 1891)	Chevreur, 1911

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**Appendix B. Algeria continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Protohyale (Protohyale) schmidtii</i>	(Heller, 1866)	Chevreur, 1911
<b>Hyperiidæ Dana, 1852</b>		
<i>Lestrigonus latissimus</i>	(Bovallius, 1889)	Chevreur & Fage, 1925
<b>Iphimediidæ Boeck, 1871</b>		
<i>Coboldus nitior</i>	Krapp-Schickel, 1974	Oulmi, 1991
<i>Iphimedia brachygnatha</i>	Ruffo & Schiecke, 1979	Bakalem <i>et al.</i> , 2014
<i>Iphimedia eblanae</i>	Spence Bate, 1857	Oulmi, 1991
<i>Iphimedia gibbula</i>	Ruffo & Schiecke, 1979	Oulmi, 1991
<i>Iphimedia minuta</i>	G.O. Sars, 1883	Chevreur, 1911
<i>Iphimedia vicina</i>	Ruffo & Schiecke, 1979	Bakalem <i>et al.</i> , 2014
<b>Isaeidæ Dana, 1852</b>		
<i>Isaea montagui</i>	H. Milne Edwards, 1830	Hassam, 1991; Oulmi, 1991
<b>Ischyroceridæ Stebbing, 1899</b>		
<i>Centraloecetes dellavallei</i>	(Stebbing, 1899)	Chevreur, 1911
<i>Centraloecetes neapolitanus</i>	(Schiecke, 1978)	Bakalem, 1979
<i>Coxischyrocerus inexpectatus</i>	(Ruffo, 1959)	Grimes <i>et al.</i> , 2009
<i>Ericthonius argenteus</i>	Krapp-Schickel, 1993	Bakalem <i>et al.</i> , 2014
<i>Ericthonius brasiliensis</i>	(Dana, 1853)	Chevreur, 1911
<i>Ericthonius difformis</i>	H. Milne Edwards, 1830	Chevreur, 1911
<i>Ericthonius punctatus</i>	(Spence Bate, 1857)	Bakalem, 1979
<i>Jassa falcata</i>	(Montagu, 1808)	Chevreur, 1911
<i>Jassa marmorata</i>	Holmes, 1905	Benali, 2020
<i>Microjassa cumbrensis</i>	(Stebbing & Robertson, 1891)	Bakalem <i>et al.</i> , 2014
<i>Plumulojassa ocia</i>	(Spence Bate, 1862)	Grimes <i>et al.</i> , 2009
<i>Siphonoecetes sabatieri</i>	Rouville, 1894	Bakalem, 1979
<b>Kuriidæ J.L. Barnard, 1964</b>		
<i>Micropythia carinata</i>	(Spence Bate, 1862)	Chevreur, 1911
<b>Leucothoidæ Dana, 1852</b>		
<i>Leucothoe incisa</i>	Robertson, 1892	Chevreur, 1911
<i>Leucothoe liljeborgi</i>	Boeck, 1861	Bakalem, 1979
<i>Leucothoe oboa</i>	Karaman, 1971	Grimes <i>et al.</i> , 2009
<i>Leucothoe occulta</i>	Krapp-Schickel, 1975	Hassam, 1991
<i>Leucothoe pachycera</i>	Della Valle, 1893	Bakalem, 1979
<i>Leucothoe richiardii</i>	Lessona, 1865	Chevreur, 1911
<i>Leucothoe serraticarpa</i>	Della Valle, 1893	Oulmi, 1991
<i>Leucothoe spinicarpa</i>	(Abildgaard, 1789)	Chevreur, 1911
<i>Leucothoe venetiarum</i>	Giordani- Soika, 1950	Hassam, 1991; Oulmi, 1991
<b>Liljeborgiidæ Stebbing, 1899</b>		
<i>Idunella excavata</i>	(Schiecke, 1973)	Grimes <i>et al.</i> , 2009
<i>Idunella nana</i>	(Schiecke, 1973)	Grimes <i>et al.</i> , 2009
<i>Idunella pirata</i>	Krapp-Schickel, 1975	Hassam, 1991
<i>Liljeborgia dellavallei</i>	Stebbing, 1906	Chevreur, 1911
<i>Liljeborgia pallida</i>	(Spence Bate, 1857)	Hassam, 1991
<i>Liljeborgia psaltrica</i>	Krapp-Schickel, 1975	Hassam, 1991; Oulmi, 1991
<b>Lysianassidæ Dana, 1849</b>		
<i>Lysianassa costae</i>	H. Milne Edwards, 1830	Lucas, 1846
<i>Lysianassa insperata</i>	Lincoln, 1979	Hassam, 1991

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**Appendix B. Algeria continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Lysianassa pilicornis</i>	Heller, 1866	Chevreur, 1911
<i>Lysianassa plumosa</i>	Boeck, 1871	Falconetti, 1970
<i>Lysianassina longicornis</i>	(Lucas, 1846)	Lucas, 1846
<i>Nannonyx propinquus</i>	Chevreur, 1911	Chevreur, 1911
<i>Nannonyx spinimanus</i>	Walker, 1895	Hassam, 1991
<i>Socarnes filicornis</i>	(Heller, 1866)	Chevreur, 1911
<b>Maeridae Krapp-Schickel, 2008</b>		
<i>Animoceradocus semiserratus</i>	(Spence Bate, 1862)	Bakalem, 1979
<i>Ceradocus (Ceradocus) orchestiiipes</i>	A. Costa, 1853	Chevreur, 1911
<i>Elasmopus brasiliensis</i>	(Dana, 1853)	Chevreur, 1911
<i>Elasmopus pectenarius</i>	(Spence Bate, 1862)	Bakalem, 1979
<i>Elasmopus pocillimanus</i>	(Spence Bate, 1862)	Chevreur, 1911
<i>Elasmopus rapax</i>	A. Costa, 1853	Chevreur, 1911
<i>Elasmopus vachoni</i>	Mateus & Mateus, 1966	Bakalem <i>et al.</i> , 2014
<i>Linguimaera caesaris</i>	Krapp-Schickel, 2003	Hassam, 1991
<i>Maera grossimana</i>	(Montagu, 1808)	Chevreur, 1911
<i>Maera hironellei</i>	Chevreur, 1900	Hassam, 1991; Oulmi, 1991
<i>Maera pachytelson</i>	Karaman & Ruffo, 1971	Oulmi, 1991
<i>Maera schieckei</i>	Karaman & Ruffo, 1971	Bakalem <i>et al.</i> , 2014
<i>Maera sodalis</i>	Karaman & Ruffo, 1971	Hassam, 1991; Oulmi, 1991
<i>Maerella tenuimana</i>	(Spence Bate, 1862)	Hassam, 1991; Oulmi, 1991
<i>Othomaera knudseni</i>	(Reid, 1951)	Hassam, 1991; Oulmi, 1991
<i>Othomaera othonis</i>	(H. Milne Edwards, 1830)	Falconetti, 1970
<i>Othomaera schmidtii</i>	(Stephensen, 1915)	Hassam, 1991; Oulmi, 1991
<i>Quadrimaera inaequipies</i>	(A. Costa in Hope, 1851)	Chevreur, 1911
<b>Megaluropidae Thomas &amp; Barnard, 1986</b>		
<i>Megaluropus massiliensis</i>	Ledoyer, 1976	Bakalem, 1979
<b>Melitidae Bousfield, 1973</b>		
<i>Abludomelita aculeata</i>	(Chevreur, 1911)	Hassam, 1991; Oulmi, 1991
<i>Abludomelita gladiosa</i>	(Spence Bate, 1862)	Chevreur, 1911
<i>Abludomelita obtusata</i>	(Montagu, 1813)	Bakalem <i>et al.</i> , 2014
<i>Melita bulla</i>	Karaman, 1978	Bakalem & Dauvin, 1995
<i>Melita coroninii</i>	Heller, 1866	Chevreur, 1911
<i>Melita hergensis</i>	Reid, 1939	Bakalem <i>et al.</i> , 2014
<i>Melita palmata</i>	(Montagu, 1804)	Chevreur, 1911
<i>Paraniphargus valesi</i>	(Karaman, 1955)	Bakalem & Dauvin, 1995
<b>Melphidippidae Stebbing, 1899</b>		
<i>Melphidippella macra</i>	(Norman, 1869)	Grimes <i>et al.</i> , 2009
<b>Microprotopidae Myers &amp; Lowry, 2003</b>		
<i>Microprotopus longimanus</i>	Chevreur, 1887	Bakalem <i>et al.</i> , 2014
<i>Microprotopus maculatus</i>	Norman, 1867	Chevreur, 1911
<b>Nuuanuidae Lowry &amp; Myers, 2013</b>		
<i>Gammarella fucicola</i>	(Leach, 1814)	Chevreur, 1911
<b>Oedicerotidae Lilljeborg, 1865</b>		
<i>Deflexilodes acutipes</i>	(Ledoyer, 1983)	Bakalem & Dauvin, 1995
<i>Deflexilodes gibbosus</i>	(Chevreur, 1888)	Grimes <i>et al.</i> , 2009
<i>Deflexilodes griseus</i>	(Della Valle, 1893)	Chevreur, 1911

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Appendix B. Algeria continued

ScientificName_accepted	Authority_accepted	First signalisation
<i>Deflexilodes subnudus</i>	(Norman, 1889)	Grimes <i>et al.</i> , 2009
<i>Halicreion aequicornis</i>	(Norman, 1869)	Grimes <i>et al.</i> , 2009
<i>Kroyera carinata</i>	Spence Bate, 1857	Falconetti, 1970
<i>Perioculodes aequimanus</i>	(Kossmann, 1880)	Grimes <i>et al.</i> , 2009
<i>Perioculodes longimanus</i>	(Spence Bate & Westwood, 1868)	Chevreur, 1911
<i>Pontocrates altamarinus</i>	(Spence Bate & Westwood, 1862)	Bakalem, 1979
<i>Pontocrates arenarius</i>	(Spence Bate, 1858)	Chevreur, 1911
<i>Synchelidium haplocheles</i>	(Grube, 1864)	Chevreur, 1911
<i>Synchelidium maculatum</i>	Stebbing, 1906	Hassam, 1991
<i>Westwoodilla caecula</i>	(Spence Bate, 1857)	Grimes <i>et al.</i> , 2009
<i>Westwoodilla rectirostris</i>	(Della Valle, 1893)	Chevreur, 1911
<b>Opisidae Lowry &amp; Stoddart, 1995</b>		
<i>Normanion chevreuxi</i>	Diviacco & Vader, 1988	Grimes <i>et al.</i> , 2009
<b>Oxycephalidae Dana, 1852</b>		
<i>Rhabdosoma whitei</i>	Spence Bate, 1862	Rose, 1931
<b>Pardaliscidae Boeck, 1871</b>		
<i>Halicoides walkeri</i>	(Ledoyer, 1973)	Grimes <i>et al.</i> , 2009
<b>Phliantidae Stebbing, 1899</b>		
<i>Pereionotus testudo</i>	(Montagu, 1808)	Chevreur, 1911
<b>Photidae Boeck, 1871</b>		
<i>Cerapopsis longipes</i>	Della Valle, 1893	Chevreur, 1911
<i>Gammaropsis crenulata</i>	Krapp-Schickel & Myers, 1979	Oulmi, 1991
<i>Gammaropsis dentata</i>	Chevreur, 1900	Chevreur, 1911
<i>Gammaropsis emancipata</i>	Krapp-Schickel & Myers, 1979	Hassam, 1991; Oulmi, 1991
<i>Gammaropsis maculata</i>	(Johnston, 1828)	Chevreur, 1911
<i>Gammaropsis nitida</i>	(Stimpson, 1853)	Hassam, 1991
<i>Gammaropsis ostroumowi</i>	Sowinski, 1898	Bakalem, 1979
<i>Gammaropsis palmata</i>	(Stebbing & Robertson, 1891)	Chevreur, 1911
<i>Gammaropsis pseudostroumowi</i>	Ledoyer, 1977	Hassam, 1991; Oulmi, 1991
<i>Gammaropsis sophiae</i>	(Boeck, 1861)	Chevreur, 1911
<i>Gammaropsis ulrici</i>	Krapp-Schickel & Myers, 1979	Hassam, 1991
<i>Megamphopus brevidactylus</i>	Myers, 1976	Grimes <i>et al.</i> , 2009
<i>Megamphopus cornutus</i>	Norman, 1869	Hassam, 1991; Oulmi, 1991
<i>Megamphopus longicornis</i>	Chevreur, 1911	Chevreur, 1911
<i>Photis longicaudata</i>	(Spence Bate & Westwood, 1862)	Chevreur, 1911
<i>Photis reinhardi</i>	Krøyer, 1842	Oulmi, 1991
<b>Phoxocephalidae G.O. Sars, 1891</b>		
<i>Harpinia ala</i>	Karaman, 1987	Grimes <i>et al.</i> , 2009
<i>Harpinia antennaria</i>	Meinert, 1890	Bakalem, 1979
<i>Harpinia crenulata</i>	(Boeck, 1871)	Chevreur, 1911
<i>Harpinia dellavallei</i>	Chevreur, 1910	Chevreur, 1911
<i>Harpinia laevis</i>	G.O. Sars, 1891	Hassam, 1991; Oulmi, 1991
<i>Harpinia pectinata</i>	Sars, 1891	Chevreur, 1911
<i>Harpinia serrata</i>	G. O. Sars, 1879	Hassam, 1991
<i>Harpinia truncata</i>	Sars, 1891	Grimes <i>et al.</i> , 2009
<i>Metaphoxus fultoni</i>	(Scott, 1890)	Hassam, 1991; Oulmi, 1991
<i>Metaphoxus simplex</i>	(Spence Bate, 1857)	Chevreur, 1911

Continued

**Appendix B. Algeria continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Paraphoxus oculatus</i>	(G. O. Sars, 1879)	Hassam, 1991; Oulmi, 1991
<b>Phronimidae Rafinesque, 1815</b>		
<i>Phronima sedentaria</i>	(Forskål, 1775)	Lucas, 1846
<b>Platyscelidae Spence Bate, 1862</b>		
<i>Platyscelus ovoides</i>	(Risso, 1816)	Lucas, 1846
<i>Platyscelus serratulus</i>	Stebbing, 1888	Bakalem <i>et al.</i> , 2014
<b>Pleustidae Buchholz, 1874</b>		
<i>Pleusymtes mediterraneus</i>	(Ledoyer, 1986)	Grimes <i>et al.</i> , 2009
<b>Podoceridae Leach, 1814</b>		
<i>Parunciola seurati</i>	Chevreur, 1911	Chevreur, 1911
<i>Podocerus chelonophilus</i>	(Chevreur & Guerne, 1888)	Chevreur & de Guerne, 1888
<i>Podocerus schieckei</i>	Ruffo, 1987	Grimes <i>et al.</i> , 2009
<i>Podocerus variegatus</i>	Leach, 1814	Chevreur, 1911
<b>Podoprionidae Lowry &amp; Stoddart, 1996</b>		
<i>Podoprion bolivari</i>	Chevreur, 1891	Oulmi, 1991
<b>Pontogeneiidae Stebbing, 1906</b>		
<i>Eusiroides dellavallei</i>	Chevreur, 1899	Chevreur, 1911
<b>Pseudoniphargidae Karaman, 1993</b>		
<i>Pseudoniphargus africanus</i>	Chevreur, 1901	Chevreur, 1901
<b>Scinidae Stebbing, 1888</b>		
<i>Scina crassicornis</i>	(Fabricius, 1775)	Chevreur & Fage, 1925
<b>Scopelocheiridae Lowry &amp; Stoddart, 1997</b>		
<i>Aroui setosus</i>	Chevreur, 1911	Chevreur, 1911
<i>Scopelocheirus hopei</i>	(A. Costa in Hope, 1851)	Chevreur, 1911
<b>Sophrosynidae Lowry &amp; Stoddart, 2010</b>		
<i>Sophrosyne hispana</i>	(Chevreur, 1887)	Bakalem <i>et al.</i> , 2014
<b>Stegocephalidae Dana, 1852</b>		
<i>Stegocephaloides christianiensis</i>	Boeck, 1871	Bakalem <i>et al.</i> , 2014
<b>Stenothoidae Boeck, 1871</b>		
<i>Stenothoe antennulariae</i>	Della Valle, 1893	Bakalem <i>et al.</i> , 2014
<i>Stenothoe cavimana</i>	Chevreur, 1908	Grimes <i>et al.</i> , 2009
<i>Stenothoe dollfusi</i>	Chevreur, 1887	Grimes <i>et al.</i> , 2009
<i>Stenothoe eduardi</i>	Krapp-Schickel, 1975	Grimes <i>et al.</i> , 2009
<i>Stenothoe elachista</i>	Krapp-Schickel, 1975	Bakalem <i>et al.</i> , 2014
<i>Stenothoe gallensis</i>	Walker, 1904	Bakalem <i>et al.</i> , 2014
<i>Stenothoe marina</i>	(Spence Bate, 1857)	Grimes <i>et al.</i> , 2009
<i>Stenothoe monoculoides</i>	(Montagu, 1813)	Chevreur, 1911
<i>Stenothoe tergestina</i>	(Nebeski, 1881)	Chevreur, 1911
<b>Synopiidae Dana, 1853</b>		
<i>Syrrhoites cornuta</i>	Bellan-Santini, 1985	Bellan-Santini, 1985
<b>Talitridae Rafinesque, 1815</b>		
<i>Africorchestia fischeri</i>	(H. Milne Edwards, 1830)	Lucas, 1846
<i>Deshayesorchestia deshayesii</i>	(Audouin, 1826)	Chevreur, 1911
<i>Orchestia gammarellus</i>	(Pallas, 1766)	Lucas, 1846
<i>Orchestia mediterranea</i>	A. Costa, 1853	Chevreur, 1911
<i>Orchestia montagui</i>	Audouin, 1826	Lucas, 1846
<i>Platorchestia platensis</i>	(Krøyer, 1845)	Chevreur, 1911

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*Appendix B. Algeria continued*

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Talitrus saltator</i>	(Montagu, 1808)	Lucas, 1846
<b>Tryphosidae Lowry &amp; Stoddart, 1997</b>		
<i>Hippomedon bidentatus</i>	Chevreur, 1903	Bakalem, 1979
<i>Hippomedon denticulatus</i>	(Spence Bate, 1857)	Chevreur, 1911
<i>Hippomedon massiliensis</i>	Bellan-Santini, 1965	Falconetti, 1970
<i>Hippomedon oculatus</i>	Chevreur & Fage, 1925	Chevreur & Fage, 1925
<i>Lepidepcreum crypticum</i>	Ruffo & Schiecke, 1977	Bakalem <i>et al.</i> , 2014
<i>Lepidepcreum longicorne</i>	(Spence Bate & Westwood, 1861)	Chevreur, 1911
<i>Orchomene grimaldii</i>	Chevreur, 1890	Chevreur, 1911
<i>Orchomene humilis</i>	(A. Costa, 1853)	Chevreur, 1911
<i>Paracentromedon crenulatus</i>	(Chevreur, 1900)	Grimes <i>et al.</i> , 2009
<i>Tryphosa nana</i>	(Krøyer, 1846)	Grimes <i>et al.</i> , 2009
<i>Tryphosella minima</i>	(Chevreur, 1911)	Chevreur, 1911
<i>Tryphosella nanoides</i>	(Lilljeborg, 1865)	Grimes <i>et al.</i> , 2009
<i>Tryphosella simillima</i>	Ruffo, 1985	Grimes <i>et al.</i> , 2009
<i>Tryphosites longipes</i>	(Spence Bate & Westwood, 1861)	Grimes <i>et al.</i> , 2009
<b>Unciolidae Myers &amp; Lowry, 2003</b>		
<i>Unciola crenatipalma</i>	(Spence Bate, 1862)	Hassam, 1991
<i>Unciolella lunata</i>	Chevreur, 1911	Chevreur, 1911
<b>Uristidae Hurley, 1963</b>		
<i>Ichnopus spinicornis</i>	Boeck, 1861	Oulmi, 1991
<i>Tmetonyx nardonis</i>	(Heller, 1867)	Chevreur, 1911
<b>Urothoidae Bousfield, 1978</b>		
<i>Urothoe brevicornis</i>	Spence Bate, 1862	Le Gall, 1969
<i>Urothoe elegans</i>	Spence Bate, 1857	Bakalem, 1979
<i>Urothoe grimaldii</i>	Chevreur, 1895	Bakalem, 1979
<i>Urothoe intermedia</i>	Bellan-Santini & Ruffo, 1986	Bakalem, 2008
<i>Urothoe marina</i>	(Spence Bate, 1857)	Bakalem, 1979
<i>Urothoe poseidonis</i>	Reibish, 1905	Bakalem, 1979
<i>Urothoe pulchella</i>	(A. Costa, 1853)	Chevreur, 1911
<b>Vibiliidae Dana, 1852</b>		
<i>Vibilia armata</i>	Bovallius, 1887	Chevreur & Fage, 1925
<i>Vibilia jeangerardii</i>	Lucas, 1846	Lucas, 1846



## Appendix B Tunisia

<i>ScientificName_accepted</i>	<i>Authority_accepted</i>	<i>First signalisation</i>
<b>Ampeliscidae Krøyer, 1842</b>		
<i>Ampelisca brevicornis</i>	(A. Costa, 1853)	Ayari & Afi, 2003
<i>Ampelisca diadema</i>	(A. Costa, 1853)	Ayari & Afi, 2003
<i>Ampelisca melitae</i>	Dauvin & Bellan-Santini, 1985	Dauvin & Bellan-Santini, 1985
<i>Ampelisca rubella</i>	A. Costa, 1864	Ayari & Afi, 2003
<i>Ampelisca serraticaudata</i>	Chevreur, 1888	Ayari & Afi, 2003
<i>Ampelisca spinipes</i>	Boeck, 1861	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Ampelisca tenuicornis</i>	Liljeborg, 1856	Chevreur, 1911
<i>Ampelisca typica</i>	(Spence Bate, 1857)	Ayari & Afi, 2003
<i>Ampelisca unidentata</i>	Schellenberg, 1936	Zakhama-Sraieb <i>et al.</i> , 2009
<b>Amphilochoidea Boeck, 1871</b>		
<i>Amphilochoidea longimanus</i>	(Chevreur, 1888)	Chevreur, 1911
<i>Amphilochoidea serratipes</i>	(Norman, 1869)	Chevreur, 1911
<i>Apolochus neapolitanus</i>	(Della Valle, 1893)	Chevreur, 1911
<b>Ampithoidae Boeck, 1871</b>		
<i>Ampithoe ramondi</i>	Audouin, 1826	Chevreur, 1911
<i>Ampithoe riedli</i>	Krapp-Schickel, 1968	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Ampithoe rubricata</i>	(Montagu, 1808)	Khedhri <i>et al.</i> , 2016
<i>Cymadusa crassicornis</i>	(A. Costa, 1853)	Bellan-Santini <i>et al.</i> , 1982
<i>Cymadusa filosa</i>	Savigny, 1816	Chevreur, 1911
<i>Pleonexes gammaroides</i>	Spence Bate, 1857	Chevreur, 1911
<i>Pleonexes helleri</i>	(Karaman, 1975)	Boudaya <i>et al.</i> , 2019
<i>Sunamphitoe pelagica</i>	(H. Milne Edwards, 1830)	Bellan-Santini <i>et al.</i> , 1982
<b>Aoridae Stebbing, 1899</b>		
<i>Aora gracilis</i>	(Spence Bate, 1857)	Bellan-Santini <i>et al.</i> , 1982
<i>Aora spinicornis</i>	Afonso, 1976	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Lembos websteri</i>	Spence Bate, 1857	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Microdeutopus algicola</i>	Della Valle, 1893	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Microdeutopus anomalus</i>	(Rathke, 1843)	Bellan-Santini <i>et al.</i> , 1982
<i>Microdeutopus bifidus</i>	Myers, 1977	Fersi <i>et al.</i> , 2018
<i>Microdeutopus chelifera</i>	(Spence Bate, 1862)	Diawara <i>et al.</i> , 2008
<i>Microdeutopus damnoniensis</i>	(Spence Bate, 1857)	Chevreur, 1911
<i>Microdeutopus gryllotalpa</i>	A. Costa, 1853	Chevreur, 1911
<i>Microdeutopus stationis</i>	Della Valle, 1893	Chevreur, 1911
<i>Tethylembos viguieri</i>	(Chevreur, 1911)	Myers, 1974
<b>Atylidae Lilljeborg, 1865</b>		
<i>Nototropis guttatus</i>	(A. Costa in Hope, 1851)	Chevreur, 1911
<i>Nototropis massiliensis</i>	(Bellan-Santini, 1975)	Pérez-Domingo <i>et al.</i> , 2008
<b>Bathyporeiidae d'Udekem d'Acoz, 2011</b>		
<i>Bathyporeia guilliamsoniana</i>	(Spence Bate, 1857)	Pérez-Domingo <i>et al.</i> , 2008
<i>Bathyporeia nana</i>	Toulmond, 1966	Bellan-Santini <i>et al.</i> , 1989
<b>Bogidiellidae Hertzog, 1936</b>		
<i>Medigidiella chappuisi</i>	(Ruffo, 1952)	Khedhri <i>et al.</i> , 2016
<b>Calliopiidae G.O. Sars, 1893</b>		

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**Appendix B. Tunisia continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Apherusa chiereghinii</i>	Giordani- Soika, 1949	Bellan-Santini <i>et al.</i> , 1982
<i>Apherusa mediterranea</i>	Chevreur, 1911	Chevreur, 1911
<b>Caprellidae Leach, 1814</b>		
<i>Caprella acanthifera</i>	Leach, 1814	Zakhama-Sraieb <i>et al.</i> , 2008
<i>Caprella andreae</i>	Mayer, 1890	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Caprella danilevskii</i>	Czerniavski, 1868	Zakhama-Sraieb <i>et al.</i> , 2008
<i>Caprella dilatata</i>	Krøyer, 1843	Zakhama-Sraieb <i>et al.</i> , 2008
<i>Caprella equilibra</i>	Say, 1818	Diawara <i>et al.</i> , 2008
<i>Caprella grandimana</i>	Mayer, 1882	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Caprella hirsuta</i>	Mayer, 1890	Chevreur & Fage, 1925
<i>Caprella liparotensis</i>	Haller, 1879	Zakhama-Sraieb <i>et al.</i> , 2008
<i>Caprella penantis</i>	Leach, 1814	Zakhama-Sraieb <i>et al.</i> , 2008
<i>Caprella scaura</i>	Templeton, 1836	Ben Souissi <i>et al.</i> , 2010
<i>Deutella shieckei</i>	Cavedini, 1982	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Paracaprella pusilla</i>	Mayer, 1890	Fersi <i>et al.</i> , 2018
<i>Phtisica marina</i>	Slabber, 1769	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Pseudoprotella phasma</i>	(Montagu, 1804)	Zakhama-Sraieb <i>et al.</i> , 2008
<b>Cheirocratidae d'Udekem d'Acoz, 2010</b>		
<i>Cheirocratus assimilis</i>	(Lilljeborg, 1852)	Chevreur, 1911
<b>Colomastigidae Chevreur, 1899</b>		
<i>Colomastix pusilla</i>	Grube, 1861	Chevreur, 1911
<b>Corophiidae Leach, 1814</b>		
<i>Apocorophium acutum</i>	(Chevreur, 1908)	Diawara <i>et al.</i> , 2008
<i>Corophium orientale</i>	Schellenberg, 1928	Ounifi-Ben Amor <i>et al.</i> , 2016
<i>Corophium volutator</i>	(Pallas, 1766)	Zaouali, 1981
<i>Laticorophium baconi</i>	(Shoemaker, 1934)	Guerra-García <i>et al.</i> , 2023
<i>Leptocheirus bispinosus</i>	Norman, 1908	Chevreur, 1911
<i>Leptocheirus guttatus</i>	(Grube, 1864)	Chevreur, 1911
<i>Leptocheirus pectinatus</i>	(Norman, 1869)	Bellan-Santini <i>et al.</i> , 1982
<i>Leptocheirus pilosus</i>	Zaddach, 1844	Chevreur, 1911
<i>Monocorophium acherusicum</i>	(A. Costa, 1853)	Chevreur, 1911
<i>Monocorophium insidiosum</i>	(Crawford, 1937)	Zaouali, 1981
<b>Cyproideidae J.L. Barnard, 1974</b>		
<i>Peltocoxa marioni</i>	Catta, 1875	Chevreur, 1911
<b>Dexaminidae Leach, 1814</b>		
<i>Dexamine spiniventris</i>	(A. Costa, 1853)	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Dexamine spinosa</i>	(Montagu, 1813)	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Guernea (Guernea) coalita</i>	(Norman, 1868)	Chevreur, 1911
<i>Tritaeta gibbosa</i>	(Spence Bate, 1862)	Chevreur, 1911
<b>Gammaridae Latreille, 1802</b>		
<i>Gammarus aequicauda</i>	(Martynov, 1931)	Zaouali, 1981
<i>Gammarus insensibilis</i>	Stock, 1966	Zaouali, 1981
<i>Gammarus locusta</i>	(Linnaeus, 1758)	Chevreur, 1911
<i>Marinogammarus marinus</i>	(Leach, 1816)	Chevreur, 1911
<i>Pectenogammarus olivii</i>	(H. Milne Edwards, 1830)	Bellan-Santini <i>et al.</i> , 1982

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**Appendix B. Tunisia continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Rhipidogammarus rhipidiophorus</i>	(Catta, 1878)	Chevreux, 1911
<b>Hyalidae Bulyčeva, 1957</b>		
<i>Apohyale perieri</i>	(Lucas, 1846)	Diawara <i>et al.</i> , 2008
<i>Apohyale prevostii</i>	(H. Milne Edwards, 1830)	Chevreux, 1911
<i>Parhyale aquilina</i>	(Costa, 1857)	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Protohyale (Boreohyale) camptonyx</i>	(Heller, 1866)	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Protohyale (Protohyale) grimaldii</i>	(Chevreux, 1891)	Zakhama-Sraieb <i>et al.</i> (2010)
<i>Protohyale (Protohyale) schmidtii</i>	(Heller, 1866)	Chevreux, 1911
<i>Serejohyale spinidactylus</i>	(Chevreux, 1926)	Khammassi <i>et al.</i> , 2019
<b>Iphimediidae Boeck, 1871</b>		
<i>Iphimedia minuta</i>	G.O. Sars, 1883	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Iphimedia obesa</i>	Rathke, 1843	Chevreux, 1911
<b>Ischyroceridae Stebbing, 1899</b>		
<i>Coxischyrocerus inexpectatus</i>	(Ruffo, 1959)	Zakhama-Sraieb <i>et al.</i> , 2006
<i>Erichthonius brasiliensis</i>	(Dana, 1853)	Chevreux, 1911
<i>Erichthonius difformis</i>	H. Milne Edwards, 1830	Zaouali, 1979
<i>Jassa marmorata</i>	Holmes, 1905	Khammassi <i>et al.</i> , 2019
<i>Microjassa cumbrensis</i>	(Stebbing & Robertson, 1891)	Bellan-Santini <i>et al.</i> , 1989
<b>Kamakidae Myers &amp; Lowry, 2003</b>		
<i>Cerapopsis longipes</i>	(Della Valle, 1893)	Chevreux, 1911
<b>Leucothoidae Dana, 1852</b>		
<i>Leucothoe denticulata</i>	A. Costa in Hope, 1851	Fersi <i>et al.</i> , 2018
<i>Leucothoe incisa</i>	Robertson, 1892	Mosbahi <i>et al.</i> , 2015
<i>Leucothoe spinicarpa</i>	(Abildgaard, 1789)	Chevreux, 1911
<i>Leucothoe venetiaram</i>	Giordani- Soika, 1950	Zakhama-Sraieb <i>et al.</i> , 2009
<b>Liljeborgiidae Stebbing, 1899</b>		
<i>Liljeborgia dellavallei</i>	Stebbing, 1906	Chevreux, 1911
<b>Lysianassidae Dana, 1849</b>		
<i>Lysianassa costae</i>	H. Milne Edwards, 1830	Bellan-Santini <i>et al.</i> , 1989
<i>Lysianassa pilicornis</i>	Heller, 1866	Mosbahi <i>et al.</i> , 2015
<i>Lysianassa plumosa</i>	Boeck, 1871	Chevreux, 1911
<i>Lysianassina longicornis</i>	(Lucas, 1846)	Chevreux, 1911
<i>Socarnes filicornis</i>	(Heller, 1866)	Chevreux, 1911
<b>Maeridae Krapp-Schickel, 2008</b>		
<i>Ceradocus (Ceradocus) orchestiiipes</i>	A. Costa, 1853	Ruffo, 1938
<i>Elasmopus brasiliensis</i>	(Dana, 1853)	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Elasmopus pectenarius</i>	(Spence Bate, 1862)	Zakhama-Sraieb & Charfi-Cheikhrouha, 2010
<i>Elasmopus pocillimanus</i>	(Spence Bate, 1862)	Chevreux, 1911
<i>Elasmopus rapax</i>	A. Costa, 1853	Chevreux, 1911
<i>Linguimaera caesaris</i>	Krapp-Schickel, 2003	Ben Souissi <i>et al.</i> , 2010
<i>Maera grossimana</i>	(Montagu, 1808)	Fersi <i>et al.</i> , 2018
<i>Maera hironellei</i>	Chevreux, 1900	Chevreux, 1911
<i>Maerella tenuimana</i>	(Spence Bate, 1862)	Chevreux, 1911
<i>Quadrимаera inaequipipes</i>	(A. Costa in Hope, 1851)	Chevreux, 1911
<i>Quadrимаera reishi</i>	(J.L. Barnard, 1979)	Fersi <i>et al.</i> , 2018

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**Appendix B. Tunisia continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<b>Megalurotidae Thomas &amp; Barnard, 1986</b>		
<i>Megaluropus massiliensis</i>	Ledoyer, 1976	Karaman, 1979
<i>Megaluropus monasteriensis</i>	Ledoyer, 1976	Karaman, 1979
<b>Melitidae Bousfield, 1973</b>		
<i>Abludomelita aculeata</i>	(Chevreux, 1911)	Chevreux, 1911
<i>Abludomelita gladiosa</i>	(Spence Bate, 1862)	Fersi <i>et al.</i> , 2018
<i>Melita palmata</i>	(Montagu, 1804)	Chevreux, 1911
<b>Nuuanuidae Lowry &amp; Myers, 2013</b>		
<i>Gammarella fucicola</i>	(Leach, 1814)	Zakhama-Sraieb <i>et al.</i> , 2009
<b>Oedicerotidae Lilljeborg, 1865</b>		
<i>Deflexilodes griseus</i>	(Della Valle, 1893)	Chevreux, 1911
<i>Kroyera carinata</i>	Spence Bate, 1857	Chevreux, 1911
<i>Periocolodes aequimanus</i>	(Kossman, 1880)	Bellan-Santini <i>et al.</i> , 1993
<i>Periocolodes longimanus</i>	(Spence Bate & Westwood, 1868)	Bellan-Santini <i>et al.</i> , 1993
<i>Pontocrates arenarius</i>	(Spence Bate, 1858)	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Pontocrates norvegicus</i>	(Boeck, 1861)	Chevreux, 1911
<i>Synchelidium maculatum</i>	Stebbing, 1906	Fersi <i>et al.</i> , 2018
<i>Westwoodilla rectirostris</i>	(Della Valle, 1893)	Chevreux, 1911
<b>Phliantidae Stebbing, 1899</b>		
<i>Pereionotus testudo</i>	(Montagu, 1808)	Bellan-Santini <i>et al.</i> , 1993
<b>Photidae Boeck, 1871</b>		
<i>Gammaropsis dentata</i>	Chevreux, 1900	Krapp-Schickel & Myers, 1979
<i>Gammaropsis maculata</i>	(Johnston, 1828)	Bellan-Santini <i>et al.</i> , 1989
<i>Gammaropsis ostroumowi</i>	Sowinski, 1898	Zakhama-Sraieb <i>et al.</i> , 2009
<i>Gammaropsis ulrici</i>	Krapp-Schickel & Myers, 1979	Krapp-Schickel & Myers, 1979
<i>Latigammaropsis togoensis</i>	(Schellenberg, 1925)	Ben Souissi <i>et al.</i> , 2010
<i>Photis lamellifera</i>	Schellenberg, 1928	Ounifi-Ben Amor <i>et al.</i> , 2015
<b>Phoxocephalidae G.O. Sars, 1891</b>		
<i>Harpinia antennaria</i>	Meinert, 1890	Chevreux, 1911
<i>Metaphoxus fultoni</i>	(Scott, 1890)	Chevreux, 1911
<i>Metaphoxus simplex</i>	(Spence Bate, 1857)	Chevreux, 1911
<i>Paraphoxus oculatus</i>	(G. O. Sars, 1879)	Chevreux, 1911
<b>Podoceridae Leach, 1814</b>		
<i>Podocerus chelonophilus</i>	(Chevreux & Guerne, 1888)	Zakhama-Sraieb <i>et al.</i> , 2009
<b>Protorchestiidae Myers &amp; Lowry, 2020</b>		
<i>Cochinorchestia notabilis</i>	(K.H. Barnard, 1935)	Afli <i>et al.</i> , 2009
<b>Pseudoniphargidae Karaman, 1993</b>		
<i>Pseudoniphargus africanus</i>	Chevreux, 1901	Karaman, 1978
<b>Scopelocheiridae Lowry &amp; Stoddart, 1997</b>		
<i>Scopelocheirus hopei</i>	(A. Costa in Hope, 1851)	Chevreux, 1911
<i>Stegocephaloides christianiensis</i>	Boeck, 1871	Chevreux, 1911
<b>Stenothoidae Boeck, 1871</b>		
<i>Stenothoe bosporana</i>	Sowinsky, 1898	Chevreux, 1911
<i>Stenothoe eduardi</i>	Krapp-Schickel, 1975	Fersi <i>et al.</i> , 2018
<i>Stenothoe gallensis</i>	Walker, 1904	Zakhama-Sraieb <i>et al.</i> , 2009

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**Appendix B. Tunisia continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Stenothoe monoculoides</i>	(Montagu, 1813)	Chevreur, 1911
<i>Stenothoe tergestina</i>	(Nebeski, 1881)	Chevreur, 1911
<b>Synopiidae Dana, 1853</b>		
<i>Pseudotiron bouvieri</i>	Chevreur, 1895	Chevreur, 1911
<b>Talitridae Rafinesque, 1815</b>		
<i>Britorchestia brito</i>	(Stebbing, 1891)	Chevreur, 1911
<i>Cryptorchestia cavimana</i>	(Heller, 1865)	Chevreur, 1911
<i>Deshayesorchestia deshayesii</i>	(Audouin, 1826)	Chevreur, 1911
<i>Orchestia bottae</i>	H. Milne Edwards, 1840	Chevreur, 1911
<i>Orchestia gammarellus</i>	(Pallas, 1766)	Chevreur, 1911
<i>Orchestia mediterranea</i>	A. Costa, 1853	Chevreur, 1911
<i>Orchestia montagui</i>	Audouin, 1826	Chevreur, 1911
<i>Platorchestia platensis</i>	(Krøyer, 1845)	Jelassi <i>et al.</i> , 2010
<i>Speziorchestia stephenseni</i>	(Cecchini, 1928)	Afli <i>et al.</i> , 2009
<i>Talitrus saltator</i>	(Montagu, 1808)	Chevreur, 1911
<b>Tryphosidae Lowry &amp; Stoddart, 1997</b>		
<i>Hippomedon denticulatus</i>	(Spence Bate, 1857)	Chevreur, 1911
<i>Hippomedon oculatus</i>	Chevreur & Fage, 1925	Chevreur & Fage, 1925
<i>Hippomedon tunisiacus</i>	Stephensen, 1915	Stephensen, 1915
<i>Lepidepcreum longicorne</i>	(Spence Bate & Westwood, 1861)	Ruffo & Schiecke, 1977
<i>Orchomene humilis</i>	(A. Costa, 1853)	Bellan-Santini <i>et al.</i> , 1989
<b>Unciolidae Myers &amp; Lowry, 2003</b>		
<i>Unciolella lunata</i>	Chevreur, 1911	Belgacem <i>et al.</i> , 2011
<b>Uristidae Hurley, 1963</b>		
<i>Ichnopus spinicornis</i>	Boeck, 1861	Stephensen, 1915
<b>Urothoidae Bousfield, 1978</b>		
<i>Urothoe elegans</i>	Spence Bate, 1857	Bellan-Santini <i>et al.</i> , 1982
<i>Urothoe grimaldii</i>	Chevreur, 1895	Fersi <i>et al.</i> , 2018
<i>Urothoe pulchella</i>	(A. Costa, 1853)	Chevreur & Fage, 1925



## Appendix B Libya

ScientificName_accepted	Authority_accepted	First signalisation
<b>Acidostomatidae Stoddart &amp; Lowry, 2012</b>		
<i>Acidostoma obesum</i>	(Spence Bate, 1862)	Ortiz & Petrescu, 2007
<b>Ampeliscidae Krøyer, 1842</b>		
<i>Ampelisca brevicornis</i>	(A. Costa, 1853)	Ortiz & Petrescu, 2007
<i>Ampelisca diadema</i>	(A. Costa, 1853)	Ortiz & Petrescu, 2007
<i>Ampelisca gibba</i>	G.O. Sars, 1883	Ortiz & Petrescu, 2007
<i>Ampelisca rubella</i>	A. Costa, 1864	Ortiz & Petrescu, 2007
<i>Ampelisca sarsi</i>	Chevreur, 1888	Ortiz & Petrescu, 2007
<i>Ampelisca spinipes</i>	Boeck, 1861	Ortiz & Petrescu, 2007
<i>Ampelisca tenuicornis</i>	Liljeborg, 1856	Ortiz & Petrescu, 2007
<i>Ampelisca typica</i>	(Spence Bate, 1857)	Ortiz & Petrescu, 2007
<i>Byblis guernei</i>	Chevreur, 1887	Ortiz & Petrescu, 2007
<i>Haploops dellavallei</i>	Stebbing, 1893	Ortiz & Petrescu, 2007
<b>Amphilochidae Boeck, 1871</b>		
<i>Apolochus brunneus</i>	(Della Valle, 1893)	Ortiz & Petrescu, 2007
<i>Apolochus neapolitanus</i>	(Della Valle, 1893)	Ortiz & Petrescu, 2007
<i>Gitana sarsi</i>	Boeck, 1871	Ortiz & Petrescu, 2007
<b>Ampithoidae Boeck, 1871</b>		
<i>Ampithoe ramondi</i>	Audouin, 1826	Maccagno, 1939
<i>Ampithoe rubricata</i>	(Montagu, 1808)	Maccagno, 1939
<i>Cymadusa filosa</i>	Savigny, 1816	Maccagno, 1939
<b>Aoridae Stebbing, 1899</b>		
<i>Aora typica</i>	Kroyer, 1845	Ortiz & Petrescu, 2007
<i>Autonoe angularis</i>	(Ledoyer, 1970)	Ortiz & Petrescu, 2007
<i>Autonoe viduarum</i>	(Myers, 1974)	Ortiz & Petrescu, 2007
<i>Lembos websteri</i>	Spence Bate, 1857	Maccagno, 1939
<i>Microdeutopus armatus</i>	Chevreur, 1887	Ortiz & Petrescu, 2007
<i>Microdeutopus chelifera</i>	(Spence Bate, 1862)	Tiganus, 1984
<i>Microdeutopus damnoniensis</i>	(Bate, 1856)	Tiganus, 1984
<i>Microdeutopus gryllotalpa</i>	A. Costa, 1853	Maccagno, 1939
<i>Microdeutopus versiculatus</i>	(Spence Bate, 1857)	Tiganus, 1984
<i>Tethylembos viguieri</i>	(Chevreur, 1911)	Ortiz & Petrescu, 2007
<b>Aristiidae Lowry &amp; Stoddart, 1997</b>		
<i>Perrierella audouiniana</i>	(Spence Bate, 1857)	Ortiz & Petrescu, 2007
<b>Atylidae Lilljeborg, 1865</b>		
<i>Nototropis guttatus</i>	(A. Costa in Hope, 1851)	Ortiz & Petrescu, 2007
<b>Bathyporeiidae d'Udekem d'Acoz, 2011</b>		
<i>Bathyporeia pelagica</i>	(Bate, 1856)	Ortiz & Petrescu, 2007
<b>Calliopiidae G.O. Sars, 1893</b>		
<i>Apherusa alacris</i>	Krapp-Schickel, 1969	Tiganus, 1984
<i>Apherusa bispinosa</i>	(Spence Bate, 1857)	Ortiz & Petrescu, 2007
<i>Apherusa chierighinii</i>	Giordani-Soika, 1949	Tiganus, 1984
<i>Apherusa henneguyi</i>	Chevreur & Fage, 1925	Ortiz & Petrescu, 2007
<i>Apherusa ovalipes</i>	Norman & Scott, 1906	Ortiz & Petrescu, 2007
<b>Caprellidae Leach, 1814</b>		
<i>Caprella acanthifera</i>	Leach, 1814	Tiganus, 1984

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**Appendix B. Lybia continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Phtisica marina</i>	Slabber, 1769	Tiganus, 1984
<i>Pseudoprotella phasma</i>	(Montagu, 1804)	Tiganus, 1984
<b>Carangoliopsidae Bousfield, 1977</b>		
<i>Carangaliopsis</i> sp. 1		Ortiz & Petrescu, 2007
<i>Carangaliopsis</i> sp. 2		Ortiz & Petrescu, 2007
<b>Cheirocratidae d'Udekem d'Acoz, 2010</b>		
<i>Cheirocratus sundevallii</i>	(Rathke, 1843)	Ortiz & Petrescu, 2007
<b>Cheluridae Allman, 1847</b>		
<i>Chelura terebrans</i>	Philippi, 1839	Tiganus, 1984
<b>Corophiidae Leach, 1814</b>		
<i>Crassicorophium bonellii</i>	(H. Milne Edwards, 1830)	Maccagno, 1939
<i>Leptocheirus bispinosus</i>	Norman, 1908	Ortiz & Petrescu, 2007
<i>Leptocheirus guttatus</i>	(Grube, 1864)	Ortiz & Petrescu, 2007
<i>Leptocheirus hirsutimanus</i>	(Spence Bate, 1862)	Ortiz & Petrescu, 2007
<i>Leptocheirus pectinatus</i>	(Norman, 1869)	Ortiz & Petrescu, 2007
<i>Leptocheirus pilosus</i>	Zaddach, 1844	Ortiz & Petrescu, 2007
<i>Leptocheirus tricristatus</i>	(Chevreux, 1887)	Ortiz & Petrescu, 2007
<i>Medicorophium runcicorne</i>	(Della Valle, 1893)	Ortiz & Petrescu, 2007
<b>Cressidae Stebbing, 1899</b>		
<i>Cressa dubia</i>	(Bate, 1857)	Ortiz & Petrescu, 2007
<b>Cyproideidae J.L. Barnard, 1974</b>		
<i>Peltocoxa marioni</i>	Catta, 1875	Tiganus, 1984
<b>Dexaminidae Leach, 1814</b>		
<i>Dexamine spiniventris</i>	(A. Costa, 1853)	Tiganus, 1984
<i>Dexamine spinosa</i>	(Montagu, 1813)	Tiganus, 1984
<i>Dexamine thea</i>	Boeck, 1861	Ortiz & Petrescu, 2007
<i>Guernea (Guernea) coalita</i>	(Norman, 1868)	Ortiz & Petrescu, 2007
<b>Eriopisidae Lowry &amp; Myers, 2013</b>		
<i>Eriopisella pusilla</i>	Chevreux, 1920	Ortiz & Petrescu, 2007
<b>Eusiridae Stebbing, 1888</b>		
<i>Eusirus longipes</i>	Boeck, 1861	Ortiz & Petrescu, 2007
<b>Gammaridae Latreille, 1802</b>		
<i>Gammarus edwardsi</i>	Spence Bate, 1862	Zavattari, 1934
<i>Pectenogammarus olivii</i>	(H. Milne Edwards, 1830)	Ortiz & Petrescu, 2007
<i>Pectenogammarus pungens</i>	(H. Milne Edwards, 1840)	Chevreux & Fage, 1925
<i>Rhipidogammarus rhipidiophorus</i>	(Catta, 1878)	Ruffo, 1939
<b>Hyalidae Bulyčeva, 1957</b>		
<i>Apohyale perieri</i>	(Lucas, 1846)	Maccagno, 1939
<i>Protohyale (Boreohyale) camptonyx</i>	(Heller, 1866)	Tiganus, 1984
<i>Protohyale (Protohyale) schmidtii</i>	(Heller, 1866)	Maccagno, 1939
<b>Iphimediidae Boeck, 1871</b>		
<i>Iphimedia eblanae</i>	Spence Bate, 1857	Ortiz & Petrescu, 2007
<i>Iphimedia minuta</i>	G.O. Sars, 1883	Ortiz & Petrescu, 2007
<i>Iphimedia obesa</i>	Rathke, 1843	Ortiz & Petrescu, 2007
<b>Isaeidae Dana, 1852</b>		
<i>Isaea montagui</i>	H. Milne Edwards, 1830	Ortiz & Petrescu, 2007

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**Appendix B. Lybia continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<b>Ischyroceridae Stebbing, 1899</b>		
<i>Cerapus tubularis</i>	Say, 1817	Ortiz & Petrescu, 2007
<i>Erichthonius brasiliensis</i>	(Dana, 1853)	Maccagno, 1939
<i>Erichthonius difformis</i>	H. Milne Edwards, 1830	Ortiz & Petrescu, 2007
<i>Jassa</i> sp.		Tiganus, 1984
<i>Siphonoecetes sabatieri</i>	Rouville, 1894	Ortiz & Petrescu, 2007
<b>Leucothoidae Dana, 1852</b>		
<i>Leucothoe incisa</i>	Robertson, 1892	Ortiz & Petrescu, 2007
<i>Leucothoe spinicarpa</i>	(Abildgaard, 1789)	Maccagno, 1939
<b>Liljeborgiidae Stebbing, 1899</b>		
<i>Idunella pirata</i>	Krapp-Schickel, 1975	Ortiz & Petrescu, 2007
<i>Liljeborgia dellavallei</i>	Stebbing, 1906	Ortiz & Petrescu, 2007
<i>Liljeborgia pallida</i>	(Spence Bate, 1857)	Ortiz & Petrescu, 2007
<b>Lysianassidae Dana, 1849</b>		
<i>Lysianassa costae</i>	H. Milne Edwards, 1830	Ortiz & Petrescu, 2007
<i>Lysianassina longicornis</i>	(Lucas, 1846)	Maccagno, 1939
<i>Lysianassa pilicornis</i>	Heller, 1866	Ortiz & Petrescu, 2007
<i>Lysianassa plumosa</i>	Boeck, 1871	Ortiz & Petrescu, 2007
<i>Nannonyx propinquus</i>	Chevreur, 1911	Ortiz & Petrescu, 2007
<i>Nannonyx spinimanus</i>	Walker, 1895	Ortiz & Petrescu, 2007
<b>Maeridae Krapp-Schickel, 2008</b>		
<i>Animoceradocus semiserratus</i>	(Spence Bate, 1862)	Ortiz & Petrescu, 2007
<i>Elasmopus brasiliensis</i>	(Dana, 1853)	Maccagno, 1939
<i>Elasmopus pocillimanus</i>	(Spence Bate, 1862)	Maccagno, 1939
<i>Elasmopus rapax</i>	A. Costa, 1853	Maccagno, 1939
<i>Linguimaera caesaris</i>	Krapp-Schickel, 2003	Ortiz & Petrescu, 2007
<i>Maera grossimana</i>	(Montagu, 1808)	Ortiz & Petrescu, 2007
<i>Quadrimaera inaequipes</i>	(A. Costa in Hope, 1851)	Maccagno, 1939
<b>Megaluropidae Thomas &amp; Barnard, 1986</b>		
<i>Megaluropus agilis</i>	Hoek, 1889	Ortiz & Petrescu, 2007
<b>Melitidae Bousfield, 1973</b>		
<i>Allomelita pellucida</i>	(G.O. Sars, 1883)	Ortiz & Petrescu, 2007
<b>Nuuanuidae Lowry &amp; Myers, 2013</b>		
<i>Gammarella fucicola</i>	(Leach, 1814)	Maccagno, 1939
<b>Oedicerotidae Lilljeborg, 1865</b>		
<i>Deflexilodes gibbosus</i>	(Chevreur, 1888)	Ortiz & Petrescu, 2007
<i>Deflexilodes rostratus</i>	(Stephensen, 1931)	Ortiz & Petrescu, 2007
<i>Deflexilodes subnudus</i>	(Norman, 1889)	Ortiz & Petrescu, 2007
<i>Kroyera carinata</i>	Spence Bate, 1857	Chevreur & Fage, 1925
<i>Periocolodes longimanus</i>	(Spence Bate & Westwood, 1868)	Tiganus, 1984
<i>Pontocrates arenarius</i>	(Spence Bate, 1858)	Ortiz & Petrescu, 2007
<i>Synchelidium maculatum</i>	Stebbing, 1906	Ortiz & Petrescu, 2007
<b>Phliantidae Stebbing, 1899</b>		
<i>Pereionotus testudo</i>	(Montagu, 1808)	Ortiz & Petrescu, 2007
<b>Photidae Boeck, 1871</b>		
<i>Gammaropsis maculata</i>	(Johnston, 1828)	Ortiz & Petrescu, 2007
<i>Gammaropsis palmata</i>	(Stebbing & Robertson, 1891)	Ortiz & Petrescu, 2007

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**Appendix B. Lybia continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Gammaropsis sophiae</i>	(Boeck, 1861)	Ortiz & Petrescu, 2007
<i>Megamphopus cornutus</i>	Norman, 1869	Ortiz & Petrescu, 2007
<i>Photis longicaudata</i>	(Spence Bate & Westwood, 1862)	Ortiz & Petrescu, 2007
<b>Phoxocephalidae G.O. Sars, 1891</b>		
<i>Harpinia antennaria</i>	Meinert, 1890	Ortiz & Petrescu, 2007
<i>Harpinia crenulata</i>	(Boeck, 1871)	Ortiz & Petrescu, 2007
<i>Harpinia dellavallei</i>	Chevreur, 1910	Ortiz & Petrescu, 2007
<i>Harpinia pectinata</i>	Sars, 1891	Ortiz & Petrescu, 2007
<i>Metaphoxus fultoni</i>	(Scott, 1890)	Ortiz & Petrescu, 2007
<i>Metaphoxus simplex</i>	(Spence Bate, 1857)	Ortiz & Petrescu, 2007
<b>Podoceridae Leach, 1814</b>		
<i>Laetmatophilus purus</i>	Stebbing, 1888	Ortiz & Petrescu, 2007
<i>Laetmatophilus tuberculatus</i>	Bruzelius, 1859	Ortiz & Petrescu, 2007
<b>Pontogeneiidae Stebbing, 1906</b>		
<i>Eusiroides dellavallei</i>	Chevreur, 1899	Tiganus, 1984
<b>Scopelocheiridae Lowry &amp; Stoddart, 1997</b>		
<i>Scopelocheirus hopei</i>	(A. Costa in Hope, 1851)	Ortiz & Petrescu, 2007
<b>Stegocephalidae Dana, 1852</b>		
<i>Speziorchestia stephensi</i>	(Cecchini, 1928)	Maccagno, 1939
<i>Stegocephaloides christianiensis</i>	Boeck, 1871	Ortiz & Petrescu, 2007
<b>Stenothoidae Boeck, 1871</b>		
<i>Metopa longicornis</i>	Boeck, 1871	Ortiz & Petrescu, 2007
<i>Stenothoe monoculoides</i>	(Montagu, 1813)	Tiganus, 1984
<b>Talitridae Rafinesque, 1815</b>		
<i>Orchestia gammarella</i>	(Pallas, 1766)	Zavattari, 1934
<i>Orchestia mediterranea</i>	A. Costa, 1853	Zavattari, 1934
<i>Orchestia montagui</i>	Audouin, 1826	Maccagno, 1939
<b>Tryphosidae Lowry &amp; Stoddart, 1997</b>		
<i>Hippomedon denticulatus</i>	(Spence Bate, 1857)	Ortiz & Petrescu, 2007
<i>Hippomedon oculatus</i>	Chevreur & Fage, 1925	Ortiz & Petrescu, 2007
<i>Lepidepcreum longicorne</i>	(Spence Bate & Westwood, 1861)	Ortiz & Petrescu, 2007
<i>Orchomene humilis</i>	(A. Costa, 1853)	Ortiz & Petrescu, 2007
<i>Tryphosa</i> sp.		Ortiz & Petrescu, 2007
<i>Tryphosites longipes</i>	(Spence Bate & Westwood, 1861)	Ortiz & Petrescu, 2007
<b>Unciolidae Myers &amp; Lowry, 2003</b>		
<i>Unciola crenatipalma</i>	(Spence Bate, 1862)	Ortiz & Petrescu, 2007
<b>Uristidae Hurley, 1963</b>		
<i>Ichnopus taurus</i>	A. Costa, 1853	Ortiz & Petrescu, 2007
<b>Urothoidae Bousfield, 1978</b>		
<i>Urothoe brevicornis</i>	Spence Bate, 1862	Ortiz & Petrescu, 2007
<i>Urothoe elegans</i>	Spence Bate, 1857	Ortiz & Petrescu, 2007
<i>Urothoe grimaldii</i>	Chevreur, 1895	Ortiz & Petrescu, 2007
<i>Urothoe marina</i>	(Spence Bate, 1857)	Ortiz & Petrescu, 2007
<i>Urothoe pulchella</i>	(A. Costa, 1853)	Ortiz & Petrescu, 2007

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ScientificName_accepted	Authority_accepted	First signalisation
<b>Ampeliscidae Krøyer, 1842</b>		
<i>Ampelisca brevicornis</i>	(A. Costa, 1853)	Schellenberg, 1928
<i>Ampelisca diadema</i>	(A. Costa, 1853)	Schelllberg, 1936
<i>Ampelisca serraticaudata</i>	Chevreur, 1888	Soliman, 1997
<i>Ampelisca tenuicornis</i>	Liljeborg, 1856	Schelllberg, 1936
<i>Ampelisca typica</i>	(Spence Bate, 1857)	Schelllberg, 1936
<i>Ampelisca unidentata</i>	Schellenberg, 1936	Schelllberg, 1936
<b>Amphilochidae Boeck, 1871</b>		
<i>Apolochus neapolitanus</i>	(Della Valle, 1893)	Soliman, 1997
<b>Ampithoidae Boeck, 1871</b>		
<i>Ampithoe ramondi</i>	Audouin, 1826	Audouin, 1826
<i>Ampithoe rubricata</i>	(Montagu, 1808)	Audouin, 1826
<i>Cymadusa filosa</i>	Savigny, 1816	Audouin, 1826
<i>Pleonexes gammaroides</i>	Spence Bate, 1857	Schelllberg, 1936
<i>Pleonexes helleri</i>	(Karaman, 1975)	Atta, 1985
<b>Aoridae Stebbing, 1899</b>		
<i>Bemlos leptochairus</i>	(Walker, 1909)	Schellenberg, 1928
<i>Lembos</i> sp.		Atta, 1985
<i>Microdeutopus damnoniensis</i>	(Bate, 1856)	Schelllberg, 1936
<i>Microdeutopus gryllotalpa</i>	A. Costa, 1853	Schelllberg, 1936
<i>Microdeutopus similis</i>	Myers, 1977	Soliman, 1997
<b>Atylidae Lilljeborg, 1865</b>		
<i>Nototropis guttatus</i>	(A. Costa in Hope, 1851)	Schellenberg, 1928
<i>Nototropis swammerdamei</i>	(H. Milne Edwards, 1830)	Atta, 1985
<b>Bathyporeiidae d'Udekem d'Acoz, 2011</b>		
<i>Bathyporeia guilliamsoniana</i>	(Spence Bate, 1857)	Schelllberg, 1936
<b>Calliopiidae G.O. Sars, 1893</b>		
<i>Apherusa bispinosa</i>	(Spence Bate, 1857)	Schelllberg, 1936
<b>Caprellidae Leach, 1814</b>		
<i>Caprella acanthifera</i>	Leach, 1814	Atta, 1985
<i>Caprella dilatata</i>	Krøyer, 1843	Schellenberg, 1928
<i>Caprella equilibra</i>	Say, 1818	Schellenberg, 1928
<i>Caprella liparotensis</i>	Haller, 1879	Schelllberg, 1936
<i>Caprella penantis</i>	Leach, 1814	Schellenberg, 1928
<i>Pseudoprotella phasma</i>	(Montagu, 1804)	Schelllberg, 1936
<b>Cheluridae Allman, 1847</b>		
<i>Chelura terebrans</i>	Philippi, 1839	Schellenberg, 1928
<b>Corophiidae Leach, 1814</b>		
<i>Apocorophium acutum</i>	(Chevreur, 1908)	Schellenberg, 1928
<i>Corophium orientale</i>	Schellenberg, 1928	Atta, 1985
<i>Corophium volutator</i>	(Pallas, 1766)	Schelllberg, 1936
<i>Crassikorophium bonellii</i>	(H. Milne Edwards, 1830)	Schelllberg, 1936
<i>Laticorophium baconi</i>	(Shoemaker, 1934)	Guerra-García <i>et al.</i> , 2023
<i>Leptocheirus bispinosus</i>	Norman, 1908	Schelllberg, 1936
<i>Leptocheirus guttatus</i>	(Grube, 1864)	Schelllberg, 1936
<i>Leptocheirus pectinatus</i>	(Norman, 1869)	Schelllberg, 1936

Continued



**Appendix B. Egypt continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Monocorophium acherusicum</i>	(A. Costa, 1853)	Schellenberg, 1928
<i>Monocorophium insidiosum</i>	(Crawford, 1937)	Atta, 1985
<i>Monocorophium sextonae</i>	(Crawford, 1937)	El-Nassry, 1973
<b>Dexaminidae Leach, 1814</b>		
<i>Dexamine spinosa</i>	(Montagu, 1813)	Schelllenberg 1928
<i>Tritaeta gibbosa</i>	(Spence Bate, 1862)	Schelllenberg, 1936
<b>Eriopisidae Lowry &amp; Myers, 2013</b>		
<i>Eriopisa elongata</i>	(Bruzelius, 1859)	Schelllenberg, 1936
<b>Gammaridae Latreille, 1802</b>		
<i>Gammarus aequicauda</i>	(Martynov, 1931)	Schelllenberg, 1936
<i>Gammarus crinicornis</i>	Stock, 1966	Shaltout <i>et al.</i> , 2005
<i>Gammarus lacustris</i>	G.O. Sars, 1863	Samaan <i>et al.</i> , 1989
<i>Gammarus locusta</i>	(Linnaeus, 1758)	Schellenberg, 1928
<i>Pectenogammarus foxi</i>	(Schellenberg, 1928)	Schelllenberg, 1936
<b>Hyalidae Bulyčeva, 1957</b>		
<i>Apohyale perieri</i>	(Lucas, 1846)	Soliman, 1997
<i>Apohyale prevostii</i>	(H. Milne Edwards, 1830)	Schelllenberg, 1936
<i>Protohyale (Protohyale) dollfusi</i>	(Chevreux, 1911)	Atta, 1985
<i>Protohyale (Protohyale) schmidtii</i>	(Heller, 1866)	Schelllenberg, 1936
<b>Hyperiididae Dana, 1852</b>		
<i>Themisto gaudichaudii</i>	Guérin, 1825	Zakaria, 1992
<i>Cranoecephalus scleroticus</i>	(Streets, 1878)	Abdelsalam & Zakaria, 2023
<i>Themisto abyssorum</i>	(Boeck, 1871)	Zakaria, 1992
<b>Ischyroceridae Stebbing, 1899</b>		
<i>Erichthonius brasiliensis</i>	(Dana, 1853)	Schellenberg, 1928
<i>Jassa falcata</i>	(Montagu, 1808)	Schellenberg, 1928
<i>Jassa marmorata</i>	Holmes, 1905	Atta, 1985
<b>Lestrigonidae Zeidler, 2004</b>		
<i>Lestrigonus latissimus</i>	(Bovallius, 1889)	Zakaria, 1992
<i>Lestrigonus schizogeneius</i>	(Stebbing, 1888)	Zakaria, 1992
<i>Phronimopsis spinifera</i>	Claus, 1879	Zakaria, 1992
<b>Leucothoidae Dana, 1852</b>		
<i>Leucothoe articulosa</i>	(Montagu, 1804)	Audouin, 1826
<i>Leucothoe furina</i>	(Savigny, 1816)	Audouin, 1826
<i>Leucothoe lilljeborgi</i>	Boeck, 1861	Schelllenberg, 1936
<i>Leucothoe spinicarpa</i>	(Abildgaard, 1789)	Schelllenberg, 1936
<b>Lycaeidae Claus, 1879</b>		
<i>Lycaea pulex</i>	Marion, 1874	Zakaria, 1992
<b>Lysianassidae Dana, 1849</b>		
<i>Lysianassa ceratina</i>	(Walker, 1889)	Schellenberg, 1928
<i>Lysianassa longicornis</i>	(Lucas, 1846)	Schelllenberg, 1936
<i>Lysianassa pilicornis</i>	Heller, 1866	Soliman, 1997
<b>Maeridae Krapp-Schickel, 2008</b>		
<i>Elasmopus pectenarius</i>	(Spence Bate, 1862)	Schellenberg, 1928
<i>Elasmopus pocillimanus</i>	(Spence Bate, 1862)	Schelllenberg, 1936
<i>Elasmopus rapax</i>	A. Costa, 1853	Schellenberg, 1928
<i>Maera grossimana</i>	(Montagu, 1808)	Schelllenberg, 1936

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**Appendix B. Egypt continued**

<b>ScientificName_accepted</b>	<b>Authority_accepted</b>	<b>First signalisation</b>
<i>Quadrimaera inaequipis</i>	(A. Costa in Hope, 1851)	Schellenberg, 1936
<b>Megaluropidae Thomas &amp; Barnard, 1986</b>		
<i>Megaluropus agilis</i>	Hoek, 1889	Schellenberg, 1928
<b>Melitidae Bousfield, 1973</b>		
<i>Dulichella fresnelii</i>	(Audouin, 1826)	Audouin, 1826
<i>Melita palmata</i>	(Montagu, 1804)	Soliman, 1997
<b>Nuuanuidae Lowry &amp; Myers, 2013</b>		
<i>Gammarella fucicola</i>	(Leach, 1814)	Soliman, 1997
<b>Oedicerotidae Lilljeborg, 1865</b>		
<i>Pontocrates arenarius</i>	(Spence Bate, 1858)	Bellan-Santini <i>et al.</i> , 1993
<b>Oxycephalidae Dana, 1852</b>		
<i>Rhabdosoma whitei</i>	Spence Bate, 1862	Zakaria, 1992
<b>Phoxocephalidae G.O. Sars, 1891</b>		
<i>Harpinia pectinata</i>	Sars, 1891	Schellenberg, 1936
<b>Phronimidae Rafinesque, 1815</b>		
<i>Phronima colletti</i>	Bovallius, 1887	Zakaria, 1992
<i>Phronima sedentaria</i>	(Forskål, 1775)	Zakaria, 1992
<i>Phronima stebbingi</i>	Vosseler, 1901	Zakaria, 1992
<i>Phronimella elongata</i>	Claus, 1871	Zakaria, 1992
<b>Phrosinidae Dana, 1852</b>		
<i>Phrosina semilunata</i>	Risso, 1822	Zakaria, 1992
<i>Primno macropa</i>	Guérin-Méneville, 1836	Zakaria, 1992
<b>Podoceridae Leach, 1814</b>		
<i>Podocerus brasiliensis</i>	(Dana, 1853)	Schellenberg, 1928
<i>Podocerus variegatus</i>	Leach, 1814	Schellenberg, 1936
<b>Scinidae Stebbing, 1888</b>		
<i>Scina crassicornis</i>	Fabricius, 1775	Zakaria, 1992
<b>Stenothoidae Boeck, 1871</b>		
<i>Stenothoe eduardi</i>	Krapp-Schickel, 1975	Ramadan, 1986
<i>Stenothoe gallensis</i>	Walker, 1904	Schellenberg, 1928
<b>Talitridae Rafinesque, 1815</b>		
<i>Deshayesorchestia deshayesii</i>	(Audouin, 1826)	Audouin, 1826
<i>Orchestia mediterranea</i>	A. Costa, 1853	Ruffo, 1938
<i>Orchestia gammarellus</i>	(Pallas, 1766)	Audouin, 1826
<i>Orchestia montagui</i>	Audouin, 1826	Audouin, 1826
<i>Platorchestia platensis</i>	(Krøyer, 1845)	Chevreur, 1910
<i>Talitrus cloquetii</i>	(Audouin, 1826)	Audouin, 1826
<b>Unciolidae Myers &amp; Lowry, 2003</b>		
<i>Unciolella lunata</i>	Chevreur, 1911	Schellenberg, 1928
<b>Urothoidae Bousfield, 1978</b>		
<i>Urothoe intermedia</i>	Bellan-Santini & Ruffo, 1986	Soliman, 1997
<b>Vibiliidae Dana, 1852</b>		
<i>Vibilia viatrix</i>	Bovallius, 1887	Zakaria, 1992