Zootaxa 5555 (3): 407–435
https://www.mapress.com/zt/
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Article

ISSN 1175-5326 (print edition)
ZOOTAXA
ISSN 1175-5334 (online edition)

https://doi.org/10.11646/zootaxa.5555.3.5
http://zoobank.org/urn:lsid:zoobank.org:pub:F4AFCDBD-8E25-48F1-8141-04EF18B2EBF5

First historical checklist of spiders (Arachnida: Araneae) from Morocco, between 1840–2024

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Abstract

The checklist of Spiders (Araneae) of Morocco is presented for the first time, based on about two centuries of arid research (between 1840 and 2024), including an extensisve bibliographic study. This updated list includes a total of 549 species belonging to 225 genera and 46 families. A bibliographic review, as complete as possible, was compiled which to date includes 172 references, providing a database available for the first time and accessible for any future research on Moroccan spiders. This work is also the first step towards a catalog and an Atlas of this group of arachnids, which is currently being compiled and is the first of its kind in Morocco and even North Africa.

Key words: Arthropoda, decennial evolution, endemic species, fauna inventory, North Africa

Introduction

Morocco's position in the Western Mediterranean, between Africa and Europe, places it in a crossroads situation where Ethiopian and European faunas mixed during the Tertiary (Mouna *et al*. 1997). This situation is added to the great diversity of its ecosystems that characterize the country (forest and steppe, humid to arid and saharan, agricultural, marine and coastal, continental wetlands, caves, etc.). All this has allowed Morocco to contain a great faunal wealth in terrestrial invertebrates with many endemic species (Mouna *et al*. 1997). Although arthropod fauna, mainly insects, are relatively well known in Morocco (Labrique & Arahou, 2024), spiders are among the least studied group. Due to the lack of local work followed over time on this fauna with the exception of Guy (1966) and Benhalima (1992) and especially the dispersion of occasional or brief published notes, a history, as complete as possible of previous work, is necessary. Thus, we will retrace as follows the main stages of research which were the subject of this study.

Figure 1, illustrates the different phases of arachnological research in Morocco over time. It is completed by a cumulative curve (Figure 2) which shows the activity of different arachnologists:

Phase I: period between 1840 and 1900;
Phase II: period between 1900 and 1940;
Phase III: period between 1940 and 1980;
Phase IV: period between 1980 and 2024.

A first phase (1840–1900), the beginning of research on spiders in Morocco dates back to the mid-19th century when Westwood (1840) described a tarantula from the city of Tangier, *Actinopus aedificatorius* Westwood, 1840 (Halonoproctidae). More than 30 years later, other researchers became interested in the country's arachnological fauna: Lucas (1857); C. Koch (1873) and O. Pickard-Cambridge (1875). But it was above all the work of Simon (1868, 1870a,b, 1871, 1873, 1874, 1875, 1876, 1878, 1880, 1881, 1884 and 1889) which marked the beginning of this first phase, thus enriching the arachnological fauna of Morocco with 49 species ahead of C. Koch's (1873) paper citing 20 species.

Accepted by A. Henrard: 10 Nov. 2024; published: 19 Dec. 2024

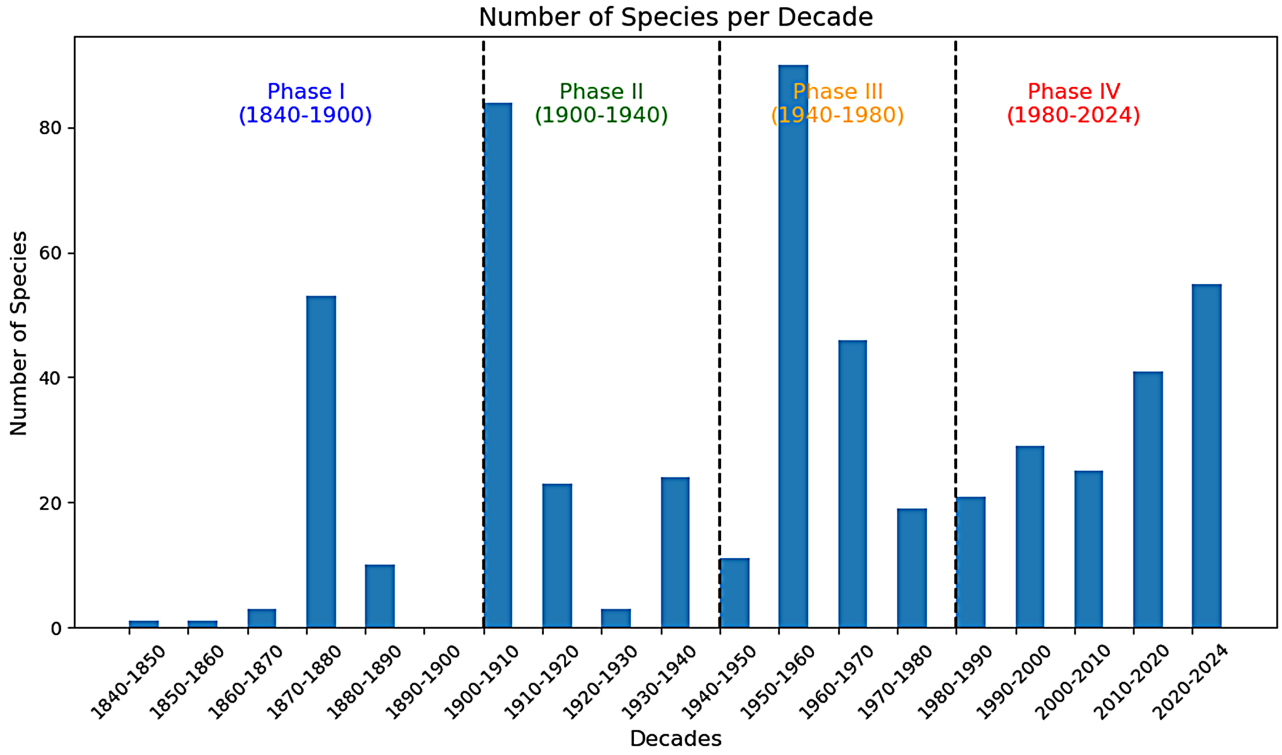

FIGURE 1. Decennial evolution of the number of Araneae species reported in Morocco for the first time between 1840 and 2024.

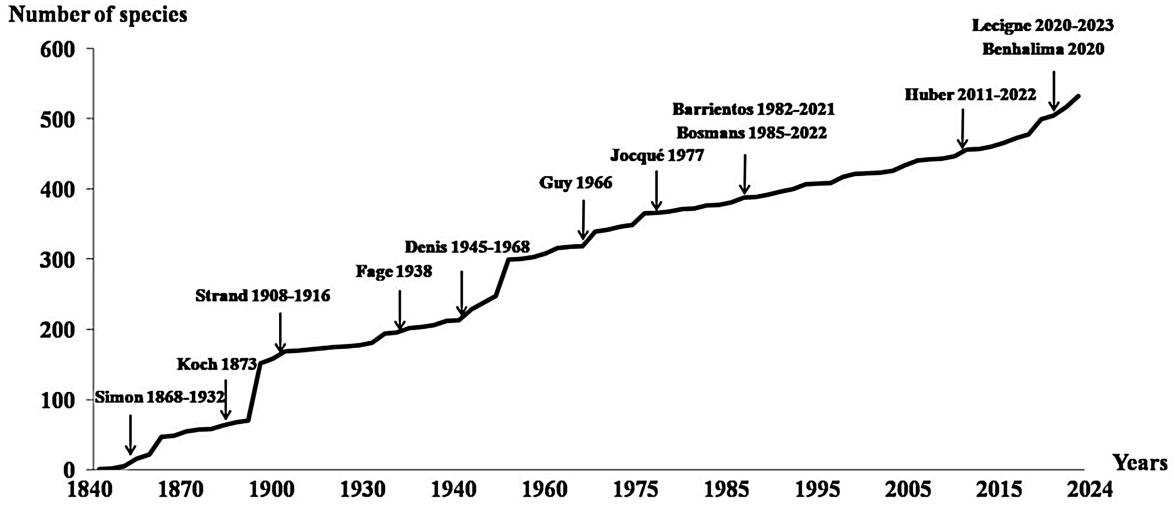

FIGURE 2. Ascending evolution of arachnological research in Morocco between 1840 and 2024.

A second phase (1900–1940), marks the beginning of the last century, after a lull of approximately two decades during which no work was published. This phase is distinguished by the addition of 136 new species to the Moroccan arachnological fauna thanks to the continuing and innumerable works of Simon (1908, 1909, 1911, 1912, 1913, 1914, 1932 and 1937), in which he cited 106 species. Thirty other were mentioned by Strand (1908, 1915 and 1916); while Dalmas (1920, 1921); Fage (1922, 1938); Werner (1930); Caporiacco (1932, 1934); Schenkel (1937); Berland (1922) and Berland & Millot (1940).

A third phase (1940–1980), is characterizes by the gradual addittion of around 165 species thanks to sustained research: Machado (1940, 1942); Roewer (1955, 1959 and 1960); Helsdingen (1969); Jocqué (1977); Brignoli (1978); Ledoux (1979); de Blauwe (1980) and Hillyard (1980). But a particular place must be given to Denis (1945,

1947, 1948a,b, 1952a,b,c, 1954, 1955, 1956a,b,c, 1959, 1961, 1962a,b, 1964, 1965, 1966, 1967, 1968) and Denis & Dresco (1957), who gave a remarkable boost to the systematic knowledge of spiders from Morocco. Between 1945 and 1968 this author carried out several systematic works, enriching the Moroccan arachnological fauna with 113 species. His works were of great benefit to some families, in particular the Gnaphosidae of which, he described and revised several species. He also established identification keys for a large number of species belonging to the families Oonopidae, Linyphiidae, Zodariidae and Dysderidae. During this same period, Guy (1966) was interested in the taxonomic study of the subfamily Lycosinae (Lycosidae) by providing a classification attempt based on statistics. If this classification is difficult to use, the diagrams concerning the genital apparatus of the species taken into consideration are not clear either. The contribution of his research allowed the addition of 6 species for Morocco, 2 of which are part of a new genus for the country, and 9 Moroccan species new to science. Subsequently, Jocqué (1977) contributed 20 new species for Morocco, including 2 new for science. This phase can be considered the apogee of Moroccan arachnological fauna.

A last phase (1980–2024), during a last modern phase of this history, an increasing number of papers have emerged by several experienced naturalists interested in Moroccan arachnological fauna: Barrientos & Ferrández (1982); Loerbroks (1983); Ribera (1983, 1993); Platnick & Murphy (1984); Blasco & Ferrández (1986); Wesolowska (1986, 1999, 2003); Kraus & Kraus (1989); Alderweireldt & Jocqué (1992); Segers (1992); Di Franco (1994a,b); Lotz (1994); Wunderlich (1995, 2011); Jäger (2000, 2014, 2020); Jäger & Gromov (2011); Jocqué & Bosmans (2001); Dimitrov & Ribera (2005); Foord & Dippenaar-Schoeman (2005); Azarkina & Logunov (2006); FitzPatrick (2007); Bosselaers *et al.* (2009); Muster (2009); Huber (2011, 2021, 2022); Planas *et al.* (2013); Tanasevitch (2014); Logunov (2015); Jocqué & Henrard (2015); Bayer *et al.* (2017); Gál *et al.* (2017); Hernández-Corral & Ferrández (2017); Miñano & Tamajón (2017); Barrientos *et al.* (2019, 2020, 2021, 2024a,b); Alioua & Bosmans (2020); Benhalima & Bosmans (2020); Lecigne *et al.* (2020, 2023); Magalhaes *et al.* (2020); Lecigne & Moutaouakil (2021); Massa & Ribera (2021); Habita *et al.* (2022); Dippenaar-Schoeman *et al.* (2023); Mousaid & Bouihouline (2023a,b); Naumova (2023); Řezáč *et al.* (2023) and Van Keer *et al.* (2024).

It is important to mention that the second synthesis of continued work on Moroccan's spiders after Guy (1966) was presented by Benhalima (1992) in her Ph. D. thesis and Benhalima *et al.* (1992). The result of this work, followed for two consecutive years in some cork groves of Morocco, was an inventory of several new records or new species for science which will very soon be published.

In parallel, with this period spanning the last four decades, Bosmans has carried out several original works enriching the Moroccan arachnological fauna with around a hundred species. Indeed, knowledge on the arachnological fauna of North Africa and in particular that of Morocco has experienced new growth thanks to the numerous revisions by this author concerning several large families: Lyniphiidae, Theridiidae and Gnaphosidae (1985, 1986, 1996, 2006a,b, 2007); Bosmans & Abrous (1990, 1992); Bosmans & De Smet (1993); Bosmans & Chergui (1994); Bosmans & Van Keer (1999, 2012, 2015); Bosmans & Blick (2000); Bosmans *et al.* (2010, 2017, 2018); Bosmans & Hervé (2021); Bosmans *et al.* (2022) and Bosmans & Alioua (2024).

Note that Bosmans was able to distinguish himself from other arachnologists by his conviction to train and bring together several North Africans around numerous joint works, thus leading to a better knowledge of the Spiders of North Africa, a catalog of which is currently being prepared. This work provided taxonomic identification keys for several species from the Maghreb, and concerned the following genera: *Troglohyphantes, Lepthyphantes, Centromerus, Sintula*, *Araeoncus*, *Savignia*, *Diplocephalus*, *Acartauchenius* and *Thaumatoncus* (Linyphiidae), Bosmans (1985, 1986, 1991a,b, 1996, 2002, 2003, 2006a,b, 2007 and 2008); *Typhochrestus* and *Pelecopsis* (Linyphiidae), Bosmans & Abrous (1990, 1992); *Mecopisthes* (Linyphiidae), Bosmans & Chergui (1994); *Agroeca*, *Agraecina*, *Apostenu*s and *Scotina* (Liocranidae), Bosmans (1999); *Clubiona* (Clubionidae), Bosmans *et al.* (2017); *Haplodrassus* (Gnaphosidae), Bosmans *et al.* (2018); *Zodarion* (Zodariidae), Benhalima & Bosmans (2020); *Anyphaena* (Anyphaenidae), Habita *et al.* (2022); *Lycosoides* (Agelenidae), Bosmans *et al.* (2022). These numerous systematic reviews of Mediterranean and Maghreb spiders were a considerable enrichment of the biodiversity of arachnological fauna through discoveries of species new to Science or new records.

Material and methods

This work was carried out according to the following steps:

- The analysis and compilation of available literature on the spider fauna of Morocco in paper form.

Most of the works prior to the 2000s have been consulted using available publications and archives in national and international libraries.

- We supplemented our data using electronic versions of the WSC (World Spider Catalog 2024) database and Netwing's European Aranea site (last accessed October 30th 2024).

- Finally, other data were taken from field collections, carried out by authors during their numerous field work through several regions of the country. This made it possible on the one hand to confirm the presence of Moroccan species already reported in the literature and on the other hand to enrich this list with new taxa, some of which have been published by us (e. g. Benhalima & Bosmans 2020).

The update and revision of species was carried out by examining specimens using Wild M5 stereomicroscope. Taxonomic details were studied using specific determination keys for each family rank, genus and species examined.

Families and their species are listed alphabetically for easy use. The name of each species is followed by the reference of the first article reporting this species in Morocco and its page number; in many cases, the species has changed genus, or fallen into synonymy: the name by which the species is currently known is given first. In the first column endemic species are indicated with a symbol (*).

Results and discussion

All the results of this study are schematized in the graphs shown in Figures 1 and 2. This shows the ascending evolution of the number of spider species reported for the first time in Morocco since the description of the first species, from 1840 until 2024. From this, a complete list of species is compiled and shown in Table 1.
The list presented gives the current state of our knowledge on the spiders of Morocco.

TABLE 1. Species list of spiders recorded in Morocco and their first citation in the literature. (*: Endemic species for Morocco).

Species	First citation in Morocco
AGELENIDAE	**AGELENIDAE**
Agelena atlantea Fage, 1938*	*Agelena atlantea* Fage 1938: 121.
Agelena canariensis Lucas, 1838	*Agelena canariensis*; Simon 1909: 34.
Eratigena talassemtane Lecigne & Bosmans, 2023*	*Eratigena talassemtane* Lecigne & Bosmans, in Lecigne *et al.* 2023: 50.
Gorbiscape agelenoides (Walckenaer, 1841)	*Agelena angustifrons*; Simon 1870a: 288.
Lycosoides caparti (de Blauwe, 1980)	*Textrix caparti* de Blauwe 1980: 9.
Lycosoides coarctata (Dufour, 1831)	*Textrix coarctata*; de Blauwe 1980: 15.
Lycosoides crassivulva (Denis, 1954)*	*Textrix crassivulva* Denis 1954: 142.
Lycosoides flavomaculata Lucas, 1846	*Textrix subfasciata*; Simon 1870a: 290.
Lycosoides instabilis (Denis, 1954)	*Textrix instabilis* Denis 1954: 138.
Lycosoides murphyorum Bosmans, 2022*	*Lycosoides murphyorum* Bosmans, in Bosmans *et al.* 2022: 333.
Lycosoides parva (Denis, 1954)*	*Textrix parva* Denis 1954: 143.
Lycosoides saiss Bosmans, 2022*	*Lycosoides saiss* Bosmans, in Bosmans *et al.* 2022: 337.
Lycosoides variegata (Simon, 1870)	*Textrix variegata* Simon 1870a: 292.
Tegenaria domestica (Clerck, 1757)	*Tegenaria domestica*; Simon 1909: 35.
Tegenaria maroccana Denis, 1956*	*Tegenaria maroccana* Denis 1956a: 279.
Tegenaria pagana C. L. Koch, 1840	*Tegenaria pagana*; Simon 1913: 379.

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TABLE 1. (Continued)

Species	First citation in Morocco
Tegenaria parietina (Fourcroy, 1785)	*Tegenaria parietina*; Simon 1909: 35.
Textrix maroccana Lecigne, 2023*	*Textrix maroccana* Lecigne, in Lecigne *et al.* 2023: 59.
AMAUROBIIDAE	**AMAUROBIIDAE**
Amaurobius barbarus Simon, 1911	*Amaurobius barbarus*; Lecigne *et al.* 2023: 60.
Amaurobius erberi (Keyserling, 1863)	*Amaurobius erberi*; Denis 1956b: 206.
ANYPHAENIDAE	**ANYPHAENIDAE**
Anyphaena alboirrorata Simon, 1878	*Anyphaena alboirrorata*; Habita *et al.* 2022: 20.
Anyphaena numida Simon, 1897	*Anyphaena numida*; Habita *et al.* 2022: 21.
ARANEIDAE	**ARANEIDAE**
Aculepeira armida (Audouin, 1826)	*Aculepeira armida*; Denis 1955: 210.
Araneus angulatus Clerck, 1757	*Araneus angulatus*; Werner 1930: 17.
Araneus circe (Audouin, 1826)	*Araneus circe*; Simon 1909: 25.
Araneus pallidus (Olivier, 1789)	*Araneus pallidus*; Denis 1945: 13.
Araniella cucurbitina (Clerck, 1757)	*Araneus cucurbitinus*; Denis 1955: 210.
Argiope australis (Walckenaer, 1805)	*Argiope clathrata*; C. Koch 1873: 110.
Argiope bruennichi (Scopoli, 1772)	*Nephila fasciata*; C. Koch 1873: 110.
Argiope lobata (Pallas, 1772)	*Argiope lobata*; Simon 1909: 25.
Argiope trifasciata (Forsskål, 1775)	*Nephila aurelia*; C. Koch 1873: 110.
Cyclosa algerica Simon, 1885	*Cyclosa algerica*; Denis 1955: 210.
Cyclosa conica (Pallas, 1772)	*Cyclosa conica*; Werner 1930: 17.
Cyclosa insulana (Costa, 1834)	*Cyclosa insulana*; Denis 1956b: 205.
Cyrtophora citricola (Forsskål, 1775)	*Epeira opuntiae*; C. Koch 1873: 113.
Gibbaranea bituberculata (Walckenaer, 1802)	*Araneus dromedarius cuculliger*; Simon 1909: 25.
Hypsosinga albovittata (Westring, 1851)	*Araneus albovittatus*; Simon 1909: 28.
Larinia lineata (Lucas, 1846)	*Larinia lineata*; Simon 1909: 25.
Larinioides cornutus (Clerck, 1757)	*Araneus cornutus*; Denis 1955: 210.
Larinioides sclopetarius (Clerck, 1757)	*Araneus sclopetarius*; Jocqué 1977: 334
Larinioides suspicax (O. Pickard-Cambridge, 1876)	*Araneus suspicax*; Denis 1945: 13.
Leviellus kochi (Thorell, 1870)	*Zygiella kochi*; Denis 1956b: 205.
Mangora acalypha (Walckenaer, 1802)	*Mangora acalypha*; Denis 1956b: 205.
Nemoscolus laurae (Simon, 1868)	*Nemoscolus laurae*; Denis 1955: 210.
Neoscona adianta (Walckenaer, 1802)	*Miranda adianta*; C. Koch 1873: 111.
Neoscona subfusca (C. L. Koch, 1837)	*Araneus arganicola*; Simon 1909: 26.
Singa lucina (Audouin, 1826)	*Singa lucina*; Jocqué 1977: 334.
Singa neta (O. Pickard-Cambridge, 1872)	*Lithyphantes septem-guttatus*; Simon 1873: 84.
Zilla diodia (Walckenaer, 1802)	*Zilla diodia*; Denis 1956b: 205.
Zygiella x-notata (Clerck, 1757)	*Zygiella x-notata*; Denis 1956b: 205.
ATYPIDAE	**ATYPIDAE**
Atypus affinis Eichwald, 1830	*Atypus affinis major*; Simon 1909: 11.
CHEIRACANTHIIDAE	**CHEIRACANTHIIDAE**
Cheiracanthium mildei C. L. Koch, 1864	*Cheiracanthium mildei*; Denis1956b: 197.
Cheiracanthium striolatum Simon, 1878	*Cheiracanthium striolatum*; Simon 1909: 32.
CITHAERONIDAE	**CITHAERONIDAE**

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TABLE 1. (Continued)

Species	First citation in Morocco
Cithaeron dippenaarae Bosmans & Van Keer, 2015*	*Cithaeron dippenaarae* Bosmans & Van Keer 2015: 321.
CLUBIONIDAE	**CLUBIONIDAE**
Clubiona phragmitis C. L. Koch, 1843	*Clubiona phragmitis*; Denis 1945: 54.
Clubiona pseudoneglecta Wunderlich, 1994	*Clubiona neglecta*; Jocqué 1977: 327.
Porrhoclubiona diniensis (Simon, 1878)	*Clubiona diniensis*; Bosmans *et al.* 2017: 5.
Porrhoclubiona leucaspis (Simon, 1932)	*Clubiona leucaspis*; Denis 1956b: 197.
Porrhoclubiona vegeta (Simon, 1918)	*Clubiona parvula*; Simon 1909: 32.
CORINNIDAE	**CORINNIDAE**
Castianeira munieri (Simon, 1877)	*Agroeca munieri*; Simon 1912: 416.
Graptartia scabra (Simon, 1878)	*Micaria scabra* Simon 1878: 26.
DICTYNIDAE	**DICTYNIDAE**
Brigittea latens (Fabricius, 1775)	*Dictyna latens*; Simon 1911: 282.
Lathys brevitibialis Denis, 1956*	*Lathys brevitibialis* Denis 1956b: 206.
Lathys sexpustulata (Simon, 1878)	*Scotolathys alticola*; Denis 1954: 135.
Marilynia bicolor (Simon, 1870)	*Dictyna bicolor* Simon 1870a: 298.
Nigma conducens (O. Pickard-Cambridge, 1876)	*Dictyna conducens*; Simon 1909: 12.
DYSDERIDAE	**DYSDERIDAE**
Dysdera agadirensis Lecigne, 2023*	*Dysdera agadirensis* Lecigne, in Lecigne *et al.* 2023: 49.
Dysdera atlantea Denis, 1954*	*Dysdera atlantea* Denis 1954: 132.
Dysdera atlantica Simon, 1909*	*Dysdera atlantica* Simon 1909: 14.
Dysdera caeca Ribera, 1993*	*Dysdera caeca* Ribera 1993: 4.
Dysdera crocata C. L. Koch, 1838	*Dysdera crocata*; Simon 1909: 14.
Dysdera crocolita Simon, 1911	*Dysdera crocolita* Simon 1911: 324.
Dysdera drescoi Ribera, 1983*	*Dysdera drescoi* Ribera 1983: 74.
Dysdera erythrina (Walckenaer, 1802)	*Dysdera erythrina*; C. Koch 1873: 116.
Dysdera incertissima Denis, 1961*	*Dysdera incertissima* Denis 1961: 160.
Dysdera littoralis Denis, 1962*	*Dysdera flagellifera*; Denis 1961: 152.
Dysdera lucidipes melillensis Simon, 1911*	*Dysdera lucidipes melillensis* Simon 1911: 320.
Dysdera mauritanica Simon, 1909*	*Dysdera mauritanica* Simon 1909: 14.
Dysdera mauritanica aurantiaca Simon, 1909*	*Dysdera mauritanica aurantiaca* Simon 1909: 14.
Dysdera mucronata Simon, 1911	*Dysdera mucronata* Simon 1911: 326.
Dysdera praepostera Denis, 1961*	*Dysdera praepostera* Denis 1961: 158.
Dysdera ravida Simon, 1909*	*Dysdera ravida* Simon 1909: 14.
Dysdera rostrata Denis, 1961*	*Dysdera rostrata* Denis 1961: 155.
Dysdera seclusa Denis, 1961*	*Dysdera seclusa* Denis 1961: 157.
Dysdera snassenica Simon, 1911*	*Dysdera snassenica* Simon 1911: 324.
Dysdera snassenica collina Simon, 1911*	*Dysdera snassenica collina* Simon 1911: 324.
Dysdera sutoria Denis, 1945*	*Dysdera sutoria* Denis 1945: 44.
Dysdera tenuistylus Denis, 1961*	*Dysdera tenuistylus* Denis 1961: 153.
Dysdera westringi O. Pickard-Cambridge, 1872	*Dysdera westringi*; Denis 1945: 45.
Rhode scutiventris Simon, 1882	*Rhode scutiventris*; Barrientos & Ferrández 1982: 78.
ERESIDAE	**ERESIDAE**
Eresus albopictus Simon, 1873	*Eresus albopictus*; Simon 1909: 11.

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TABLE 1. (Continued)

Species	First citation in Morocco
Eresus elhennawyi Řezáč, Vaněk & Střeštík, 2023	*Eresus elhennawyi* Řezáč *et al.* 2023: 346.
Eresus kollari Rossi, 1846	*Eresus cinnaberinus*; C. Koch 1873: 116.
Loureedia maroccana Gál, Kovács, Bagyó, Vári & Prazsák, 2017*	*Loureedia maroccana* Gál *et al.* 2017: 12.
Stegodyphus lineatus (Latreille, 1817)	*Eresus acanthophilus*; C. Koch 1873: 116.
Stegodyphus nathistmus O. Kraus & M. Kraus, 1989	*Stegodyphus nathistmus* Kraus & Kraus 1989: 228.
FILISTATIDAE	**FILISTATIDAE**
Filistata insidiatrix (Forsskål, 1775)	*Filistata bicolor*; C. Koch 1873: 117.
Sahastata nigra (Simon, 1897)	*Filistata nigra*; Berland & Millot 1940: 149.
Sahastata wunderlichi Magalhaes, Stockmann, Marusik & Zonstein, 2020*	*Sahastata wunderlichi* Magalhaes *et al.* 2020: 235.
GNAPHOSIDAE	**GNAPHOSIDAE**
Civizelotes civicus (Simon, 1878)	*Zelotes civicus*; Jocqué 1977: 324.
Cryptodrassus helvolus (O. Pickard-Cambridge, 1872)	*Cryptodrassus helvolus*; Bosmans & Alioua 2024: 1118.
Drassodes deserticola Simon, 1893	*Drassodes deserticola*; Caporiacco 1932: 234.
Drassodes lapidosus (Walckenaer, 1802)	*Drassodes lapidosus*; Denis 1956b: 195.
Drassodes lutescens (C. L. Koch, 1839)	*Drassodes lutescens*; Simon 1909: 15.
Drassodes soussensis Denis, 1956*	*Drassodes soussensis* Denis 1956b: 195.
Echemus escalerai Simon, 1909*	*Echemus escalerai* Simon 1909: 19.
Gnaphosa alacris Simon, 1878	*Gnaphosa alacris*; Di Franco 1994a: 198.
Gnaphosa lugubris (C. L. Koch, 1839)	*Gnaphosa lugubris*; Denis 1945: 8.
Gnaphosa occidentalis Simon, 1878	*Gnaphosa lugubris occidentalis*; Denis 1954: 133.
Gnaphosa tigrina Simon, 1878	*Gnaphosa tigrina*; Fage 1938: 120.
Gnaphosa zeugitana Pavesi, 1880	*Gnaphosa zeugitana*; Simon 1909: 19.
Haplodrassus crassipes (Lucas, 1846)	*Haplodrassus crassipes*; Bosmans *et al.* 2018: 8.
Haplodrassus dalmatensis (C. L. Koch, 1866)	*Haplodrassus dalmatensis*; Simon 1909: 15.
Haplodrassus dentifer Bosmans & Abrous, 2018	*Haplodrassus dentifer* Bosmans & Abrous, in Bosmans *et al.* 2018: 15.
Haplodrassus longivulva Bosmans & Hervé, 2018	*Haplodrassus longivulva* Bosmans & Hervé, in Bosmans *et al.* 2018: 17.
Haplodrassus lyndae Abrous & Bosmans, 2018	*Haplodrassus lyndae* Abrous & Bosmans, in Bosmans *et al.* 2018: 17.
Haplodrassus nigroscriptus (Simon, 1909)*	*Drassodes nigroscriptus* Simon 1909: 16.
Haplodrassus omissus (O. Pickard-Cambridge, 1872)	*Haplodrassus maroccanus*; Denis 1956b: 196.
Haplodrassus rufipes (Lucas, 1846)	*Drassodes severus*; Simon 1909: 15.
Haplodrassus securifer Bosmans & Abrous, 2018	*Haplodrassus securifer* Bosmans & Abrous, in Bosmans *et al.* 2018: 39.
Haplodrassus signifer (C. L. Koch, 1839)	*Haplodrassus signifer*; Bosmans *et al.* 2018: 42.
Haplodrassus triangularis Bosmans, 2018	*Haplodrassus triangularis* Bosmans, in Bosmans *et al.* 2018: 44.
Marinarozelotes barbatus (C. L. Koch, 1866)	*Melanophora barbata*; Simon 1909: 18.
Marinarozelotes bardiae (Caporiacco, 1928)	*Zelotes costatus*; Denis 1952a: 118.
Marinarozelotes holosericeus (Simon, 1878)	*Trachyzelotes holosericeus*; Platnick & Murphy 1984: 17.
Marinarozelotes lyonneti (Audouin, 1826)	*Zelotes philippsoni*; Denis 1956a: 275.
Micaria albovittata (Lucas, 1846)	*Micaria albovittata*; Caporiacco 1932: 236.

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TABLE 1. (Continued)

Species	First citation in Morocco
Micaria coarctata (Lucas, 1846)	*Micaria coarctata*; Bosmans & Blick 2000: 452.
Micaria dives (Lucas, 1846)	*Micaria dives*; Bosmans & Blick 2000: 446.
Micaria pallipes (Lucas, 1846)	*Micaria pallipes*; Bosmans & Blick 2000: 459.
Nomisia aussereri (C. L. Koch, 1872)	*Pterotricha aussereri*; Simon 1909: 19.
Nomisia exornata (C. L. Koch, 1839)	*Pterotricha exornata*; Simon 1912: 418.
Nomisia tingitana Dalmas, 1921*****	*Nomisia tingitana* Dalmas 1921: 280.
Odontodrassus mundulus (O. Pickard-Cambridge, 1872)	*Odontodrassus mundulus*; Bosmans & Hervé 2021: 60.
Phaeocedus braccatus (C. L. Koch, 1866)	*Phaeocedus braccatus*; Di Franco 1994a: 207.
Poecilochroa albomaculata (Lucas, 1846)	*Poecilochroa albomaculata*; Denis 1955: 207.
Poecilochroa senilis (O. Pickard-Cambridge, 1872)	*Poecilochroa senilis*; Alioua & Bosmans 2020: 123.
Pterotricha chazaliae (Simon, 1895)	*Pterotricha chazaliae*; Dalmas 1921: 264.
Pterotrichina elegans Dalmas, 1921	*Pterotrichina elegans*; Caporiacco 1932: 236.
Scotophaeus validus (Lucas, 1846)	*Scotophaeus viator*; Simon 1909: 17.
Setaphis carmeli (O. Pickard-Cambridge, 1872)	*Zelotes carmeli*; Denis 1952a: 123.
Setaphis fuscipes (Simon, 1885)	*Echemus fuscipes* Simon 1912: 416.
Setaphis simplex (Simon,1885)	*Zelotes stylus*; Di Franco 1994b: 214.
Setaphis spiribulbis (Denis, 1952)*****	*Zelotes spiribulbis* Denis 1952a: 125.
Urozelotes rusticus (C. L. Koch, 1872)	*Melanophora rustica*; Simon 1909: 17.
Zelotes atlanticus (Simon, 1909)*****	*Melanophora atlantica* Simon 1909: 18.
Zelotes callidus (Simon, 1878)	*Zelotes adolescentulus*; Denis 1952a: 118.
Zelotes gattefossei Denis, 1952*****	*Zelotes gattefossei* Denis 1952a: 120.
Zelotes lagrecai Di Franco, 1994	*Zelotes lagrecai* Di Franco 1994b: 217.
Zelotes meinsohni Denis, 1954*****	*Zelotes meinsohni* Denis 1954: 134.
Zelotes oryx (Simon, 1880)	*Zelotes oryx*; Denis 1952a: 121.
Zelotes pediculatus Marinaro, 1968	*Zelotes pediculatus*; Di Franco 1994b: 220.
Zelotes scrutatus (O. Pickard-Cambridge, 1872)	*Zelotes scrutatus*; Fitzpatrick 2007: 110.
Zelotes spadix (C. L. Koch, 1866)	*Zelotes spadix*; Denis 1952a: 116.
Zelotes tenuis (C. L. Koch, 1866)	*Zelotes fuscotestaceus*; Denis 1952a: 123.
HAHNIIDAE	**HAHNIIDAE**
Hahnia anophthalma Barrientos & Mederos, 2024*****	*Hahnia anophthalma* Barrientos & Mederos, in Barrientos *et al*. 2024a: 46.
HALONOPROCTIDAE	**HALONOPROCTIDAE**
Ummidia aedificatoria (Westwood, 1840)*****	*Actinopus aedificatorius* Westwood 1840: 175.
HERSILIIDAE	**HERSILIIDAE**
Hersilia caudata Audouin, 1826	*Hersilia caudata*; Mousaid & Bouihouline 2023a: 393.
Hersiliola macullulata (Dufour, 1831)	*Hersiliola macululata*; Simon 1912: 416.
Hersiliola simoni (O. Pickard-Cambridge, 1872)	*Hersiliola simoni*; Foord & Dippenaar-Schoeman 2005: 260.
Tama edwardsi (Lucas, 1846)	*Tama edwardsi*; Mousaid & Bouihouline 2023a: 394.
IDIOPIDAE	**IDIOPIDAE**
Titanidiops maroccanus Simon, 1909*****	*Titanidiops maroccanus* Simon 1909: 6.
LINYPHIIDAE	**LINYPHIIDAE**
Acartauchenius insigniceps (Simon, 1894)	*Trachelocamptus obscurus*; Denis 1967: 799.
Acartauchenius mutabilis (Denis, 1967)	*Trachelocamptus mutabilis* Denis 1967: 798.

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Species	First citation in Morocco
Agyneta fuscipalpus (C. L. Koch, 1836)	*Meioneta fuscipalpis*; Denis 1956b: 204.
Agyneta mollis (O. Pickard-Cambridge, 1871)	*Meioneta mollis*; Bosmans 2006a: 140.
Alioranus pauper (Simon, 1882)	*Alioranus pauper*; Bosmans 2007: 118.
Araeoncus humilis (Blackwall, 1841)	*Araeoncus humilis*; Denis 1968: 156.
Araeoncus martinae Bosmans, 1996	*Araeoncus martinae* Bosmans 1996: 129.
Araeoncus toubkal Bosmans, 1996	*Araeoncus altissimus*; Fage 1938: 120.
Canariphantes ritae (Bosmans, 1985)	*Lepthyphantes ritae* Bosmans 1985: 159.
Canariphantes tenerrimus (Simon, 1929)	*Canariphantes tenerrimus*; Bosmans 2006b: 179.
Canariphantes zonatus (Simon, 1884)	*Canariphantes zonatus*; Bosmans 2006b: 179.
Centromerus caecus Lecigne, 2023*	*Centromerus caecus* Lecigne, in Lecigne *et al.* 2023: 47.
Centromerus desmeti Bosmans, 1986	*Centromerus desmeti* Bosmans 1986: 90.
Centromerus prudens (O. Pickard-Cambridge, 1873)	*Centromerus prudens*; Bosmans 2006a: 132.
Centromerus sinuatus Bosmans, 1986	*Centromerus sinuatus* Bosmans 1986: 96.
Didectoprocnemis cirtensis (Simon, 1884)	*Didectoprocnemis cirtensis*; Bosmans 2007: 122.
Diplocephalus graecus (O. Pickard-Cambridge, 1873)	*Diplocephalus graecus*; Denis 1968: 156.
Diplocephalus inanis Tanasevitch, 2014*	*Diplocephalus inanis* Tanasevitch 2014: 278.
Diplocephalus marijae Bosmans, 2010	*Diplocephalus marijae* Bosmans, in Bosmans *et al.* 2010: 16.
Erigone dentipalpis (Wider, 1834)	*Erigone dentipalpis*; Bosmans 2007: 125.
Erigone promiscua (O. Pickard-Cambridge, 1873)	*Erigone promiscua*; Fage 1938: 120.
Erigonoplus latefissus (Denis, 1968)*	*Erigonopterna latefissa* Denis 1968: 153.
Frontinellina frutetorum (C. L. Koch, 1835)	*Linyphia frutetorum*; Denis 1956b: 205.
Gnathonarium dentatum (Wider, 1834)	*Gnathonarium dentatum*; Denis 1956b: 204.
Gonatium occidentale Simon, 1918	*Gonatium occidentale*; Bosmans 2007: 127.
Hybocoptus corrugis (O. Pickard-Cambridge, 1875)	*Hybocoptus corrugis*; Bosmans 2007: 129.
Lepthyphantes aelleni Denis, 1957*	*Lepthyphantes aelleni* Denis, in Denis & Dresco 1957: 50.
Lepthyphantes almoravidus Barrrientos, 2020*	*Lepthyphantes almoravidus* Barrrientos, in Barrrientos *et al.* 2020: 5.
Lepthyphantes biospeleologorum Barrientos, 2020*	*Lepthyphantes biospeleologorum* Barrrientos, in Barrientos *et al.* 2020: 6.
Lepthyphantes brevihamatus Bosmans, 1985*	*Lepthyphantes brevihamatus* Bosmans 1985: 157.
Lepthyphantes ensifer Barrientos, 2020*	*Lepthyphantes ensiferus* Barrrientos, in Barrientos *et al.* 2020: 7.
Lepthyphantes fadriquei Barrientos, 2020*	*Lepthyphantes fadriquei* Barrrientos, in Barrientos *et al.* 2020: 9.
Lepthyphantes imazigheni Barrientos, 2020*	*Lepthyphantes imazigheni* Barrrientos, in Barrientos *et al.* 2020: 11.
Lepthyphantes lamellatus Barrientos, 2020*	*Lepthyphantes lamellatus* Barrrientos, in Barrientos *et al.* 2020: 12.
Lepthyphantes leknizii Barrientos, 2020*	*Lepthyphantes leknizii* Barrrientos, in Barrientos *et al.* 2020: 13.
Lepthyphantes longihamatus Bosmans, 1985*	*Lepthyphantes longihamatus* Bosmans 1985: 155.
Lepthyphantes longipedis Tanasevitch, 2014*	*Lepthyphantes longipedis* Tanasevitch 2014: 281.
Lepthyphantes maurusius Brignoli, 1978*	*Lepthyphantes maurusius* Brignoli 1978: 108.
Lepthyphantes noeli Barrientos & Brañas, 2024*	*Lepthyphantes noeli* Barrientos & Brañas, in Barrientos *et al.* 2024b: 106.
Lepthyphantes pieltaini Machado, 1940*	*Lepthyphantes pieltaini* Machado 1940: 515.
Lepthyphantes sasi Barrientos, 2020*	*Lepthyphantes sasi* Barrrientos, in Barrientos *et al.* 2020: 15.

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Species	First citation in Morocco
Lepthyphantes soumiae Barrientos, 2021*	*Lepthyphantes soumiae* Barrrientos, in Barrientos *et al.* 2021: 64.
Lepthyphantes taza Tanasevitch, 2014*	*Lepthyphantes taza* Tanasevitch 2014: 285.
Lepthyphantes younnesi Barrientos & Gerace, 2024*	*Lepthyphantes younnesi* Barrientos & Gerace, in Barrientos *et al.* 2024b: 103.
Lessertia barbara (Simon, 1884)	*Scotoneta barbara*; Machado 1942: 8.
Linyphia maura Thorell, 1875	*Linyphia maura*; Van Helsdingen 1969: 41.
Mecopisthes jacquelinae Bosmans, 1993*	*Mecopisthes jacquelinae* Bosmans, in Bosmans & Chergui 1994: 352.
Megalepthyphantes brignolii Tanasevitch, 2014*	*Megalepthyphantes brignolii* Tanasevitch 2014: 285.
Microctenonyx subitaneus (O. Pickard-Cambridge, 1875)	*Aulacocyba subitanea*; Denis 1956b: 204.
Monocephalus fuscipes (Blackwall, 1836)	*Monocephalus fuscipes*; Denis 1968: 155.
Neriene furtiva (O. Pickard-Cambridge, 1875)	*Neriene furtiva*; Van Helsdingen 1969: 106.
Oedothorax fuscus (Blackwall, 1834)	*Gongylidum retusum*; Simon 1884: 481.
Oedothorax tingitanus (Simon, 1884)	*Gongylidium tingitanum* Simon 1884: 481.
Ostearius melanopygius (O. Pickard-Cambridge, 1880)	*Ostearius melanopygius*; Denis 1968: 161.
Palliduphantes banderolatus Barrientos, 2020*	*Palliduphantes banderolatus* Barrrientos, in Barrientos *et al.* 2020: 18.
Palliduphantes cadiziensis (Wunderlich, 1980)	*Palliduphantes cadiziensis*; Bosmans 2006b: 184.
Palliduphantes megascapus Barrientos, 2020*	*Palliduphantes megascapus* Barrrientos, in Barrientos *et al.* 2020: 20.
Pecado impudicus (Denis, 1945)	*Pecado impudicus*; Bosmans 2006a: 148.
Pelecopsis aureipes Denis, 1962*	*Pelecopsis aureipes* Denis 1962a: 284.
Pelecopsis bicornuta Hillyard, 1980	*Pelecopsis bicornuta* Hillyard 1980: 134.
Pelecopsis bucephala (O. Pickard-Cambridge, 1875)	*Exechophysis bucephalus*; Simon 1909: 24.
Pelecopsis coccinea (O. Pickard-Cambridge, 1875)	*Lophocarenum coccineum*; Simon 1884: 684.
Pelecopsis inedita (O. Pickard-Cambridge, 1875)	*Erigone heterogaster*; O. Pickard-Cambridge 1875: 211.
Pelecopsis modica Hillyard, 1980	*Pelecopsis modica* Hillyard 1980: 134.
Pelecopsis oranensis (Simon, 1884)	*Pelecopsis oranensis*; Bosmans & Abrous 1992: 76.
Pelecopsis oujda Bosmans & Abrous, 1992	*Pelecopsis major*; Denis 1964: 340 (misid.).
Pelecopsis riffensis Bosmans & Abrous, 1992*	*Pelecopsis riffensis* Bosmans & Abrous 1992: 78.
Prinerigone vagans (Audouin, 1826)	*Prinerigone vagans*; Simon 1909: 40.
Scotargus pilosus Simon, 1913	*Scotargus pilosus*; Lecigne *et al.* 2023: 65.
Sintula furcifer (Simon, 1912)	*Microneta furcifer* Simon 1912: 418.
Styloctetor romanus (O. Pickard-Cambridge, 1873)	*Styloctetor romanus*; Denis 1956b: 204.
Tenuiphantes tenuis (Blackwall, 1852)	*Lepthyphantes tenuis*; Jocqué 1977: 297.
Theonina cornix (Simon, 1881)	*Theonina cornix*; Bosmans 2006a: 153.
Theonina laguncula (Denis, 1937)	*Theonina laguncula*; Bosmans *et al.* 2019a: 22.
Trichoncoides piscator (Simon, 1884)	*Trichoncoides conjunctus*; Denis 1966: 236.
Trichoncus aurantiipes Simon, 1884	*Trichoncus aurantiipes*; Denis 1965: 432.
Typhochrestus bifurcatus Simon, 1884	*Typhochrestus bifurcatus*; Bosmans & Abrous 1990: 20.
Typhochrestus bogarti Bosmans, 1990	*Typhochrestus bogarti* Bosmans, in Bosmans & Abrous 1990: 20.
Typhochrestus digitatus (O. Pickard-Cambridge, 1873)	*Typhochrestus digitatus*; Denis 1968: 159.

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Species	First citation in Morocco
Typhochrestus mauretanicus Bosmans, 1990	*Typhochrestus mauretanicus* Bosmans, in Bosmans & Abrous 1990: 25.
Typhochrestus spatulatus Bosmans, 1990	*Typhochrestus spatulatus* Bosmans, in Bosmans & Abrous 1990: 30.
Walckenaeria erythrina (Simon, 1884)	*Walckenaeria erythrina*; Bosmans & De Smet 1993: 25.
Walckenaeria heimbergi Bosmans, 2007	*Walckenaeria heimbergi* Bosmans 2007: 142.
Walckenaeria languida (Simon, 1915)	*Walckenaeria languida*; Bosmans & De Smet 1993: 47.
LIOCRANIDAE	**LIOCRANIDAE**
Agraecina agadirensis Lecigne, Lips, Moutaouakil & Oger, 2020*	*Agraecina agadirensis* Lecigne *et al.* 2020: 13.
Agraecina lineata (Simon, 1878)	*Agraecina lineata*; Simon 1932: 970.
Agroeca annulipes Simon, 1878	*Agroeca liocranoides*; Denis 1956b: 198.
Agroeca maghrebensis Bosmans, 1999	*Agroeca maghrebensis* Bosmans 1999: 27.
Apostenus maroccanus Bosmans, 1999*	*Apostenus maroccanus* Bosmans 1999: 33.
Mesiotelus mauritanicus Simon, 1909	*Mesiotelus mauritanicus* Simon 1909: 33.
Mesiotelus tenuissimus (C. L. Koch, 1866)	*Mesiotelus tenuissimus*; Denis 1956b: 198.
LYCOSIDAE	**LYCOSIDAE**
Allocosa clariventris (Guy, 1966)*	*Lycosa clariventris* Guy 1966: 128.
Allocosa dingosaeformis (Guy, 1966)*	*Lycosa dingosaeformis* Guy 1966: 124.
Allocosa handschini (Schenkel, 1937)*	*Lycosa handschini* Schenkel 1937: 393.
Allocosa maroccana Roewer, 1959*	*Allocosa maroccana* Roewer 1959: 242.
Allocosa mogadorensis (Simon, 1909)*	*Lycosa mogadorensis* Simon 1909: 37.
Allocosa nigripes (Guy, 1966)*	*Lycosa nigripes* Guy 1966: 126.
Allocosa nigriventris (Guy, 1966)*	*Lycosa nigriventris* Guy 1966: 127.
Alopecosa albofasciata (Brullé, 1832)	*Alopecosa albofasciata*; Guy 1966: 79.
Alopecosa subvalida Guy, 1966*	*Alopecosa subvalida* Guy 1966: 119.
Alopecosa valida (Lucas, 1846)	*Alopecosa valida*; Guy 1966: 80.
Arctosa alluaudi Guy, 1966*	*Arctosa alluaudi* Guy 1966: 132.
Arctosa cinerea (Fabricius, 1777)	*Lycosa cinerea*; Simon 1909: 37.
Arctosa intricaria (C. L. Koch, 1847)	*Leaenella intricaria*; Roewer 1960: 869.
Arctosa lacustris (Simon, 1876)	*Lycosa lacustris*; Simon 1909: 38.
Arctosa letourneuxi (Simon, 1885)	*Lycosa letourneuxi*; Caporiacco 1932: 237.
Arctosa marocensis Roewer, 1960*	*Arctosa marocensis* Roewer 1960: 605.
Arctosa quadripunctata (Lucas, 1846)	*Arctosa quadripunctata*; Guy 1966: 110.
Arctosa similis Schenkel, 1938	*Arctosa cinerea minor*; Guy 1966: 141.
Arctosa tangerana (Roewer, 1960)*	*Trochosina tangerana* Roewer 1960: 909.
Arctosa variana C. L. Kock, 1847	*Arctosa variana*; Guy 1966: 109.
Arctosa villica (Lucas, 1846)	*Leaena villica*; Guy 1966: 115.
Evippomma rechenbergi Bayer, Foelix & Alderweireldt, 2017*	*Evippomma rechenbergi* Bayer *et al.* 2017: 346.
Hogna agadira (Roewer, 1960)*	*Lynxosa agadira* Roewer 1960: 904.
Hogna ferox (Lucas, 1838)	*Lycosa ferox*; Simon 1912: 419.
Hogna magnoseptum (Guy, 1966)*	*Lycosa magnoseptum* Guy 1966: 129.
Hogna maroccana (Roewer, 1960)*	*Lycorma maroccana* Roewer 1960: 785.

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Species	First citation in Morocco
Hogna maurusia (Simon, 1909)*	*Lycosa maurusia* Simon 1909: 35.
Hogna radiata (Latreille, 1817)	*Tarentula famelica*; Simon 1870a: 351.
Hogna radiata minor (Simon, 1876)	*Hogna radiata minor*; Roewer 1959: 406.
Hogna taurirtensis (Schenkel, 1937)*	*Lycosa urbana taurirtensis* Schenkel 1937: 395.
Lycosa abnormis Guy, 1966*	*Lycosa abnormis* Guy 1966: 122.
Lycosa baulnyi Simon, 1876	*Lycosa baulnyi*; Guy 1966: 86.
Lycosa bedeli Simon, 1876	*Lycosa bedeli*; Simon 1912: 417.
Lycosa fasciiventris Dufour, 1835	*Lycosa panousei*; Guy 1966: 125.
Lycosa hispanica (Walckenaer, 1837)	*Lycosa hispanica*; Planas *et al.* 2013: 422.
Lycosa munieri Simon, 1876	*Lycosa munieri*; Denis 1955: 210.
Lycosa oculata Simon, 1876	*Lycosa cunicularia* Simon 1912: 417.
Lycosa pseudoradiata (Guy, 1966)*	*Hogna pseudoradiata* Guy 1966: 121.
Lycosa suboculata Guy, 1966*	*Lycosa suboculata* Guy 1966: 123.
Lycosa sylvatica (Roewer, 1951)	*Lycosa sylvicola*; C. Koch 1873: 115.
Lycosa tarantula (Linnaeus, 1758)	*Lycosa narbonensis*; Guy 1966: 83.
Pardosa angusta Denis, 1956*	*Pardosa angusta* Denis 1956a: 279.
Pardosa gefsana Roewer, 1959	*Pardosa gefsana*; Alderweireldt & Jocqué 1992: 89.
Pardosa ghigii Caporiacco, 1932*	*Pardosa ghigii* Caporiacco 1932: 237.
Pardosa hortensis (Thorell, 1872)	*Pardosa hortensis*; Caporiacco 1932: 238.
Pardosa mtugensis (Strand, 1908)*	*Lycosa mtugensis* Strand 1908: 6.
Pardosa obscuripes Simon, 1909*	*Pardosa obscuripes* Simon 1909: 38.
Pardosa observans (O.Pickard-Cambridge, 1876)	*Pardosa observans*; Caporiacco 1934: 25.
Pardosa proxima (C. L. Koch, 1847)	*Pardosa proxima*; Simon 1909: 38.
Pirata timidus (Lucas, 1846)	*Lycosa timida*; C. Koch 1873: 115.
Pirata werneri (Roewer, 1960)*	*Piratula werneri* Roewer 1960: 679.
Trabea cazorla Snazell, 1983	*Trabea cazorla*; Platnick 2001.
Trochosa urbana O. Pickard-Cambridge, 1876	*Geolycosa urbana urbana*; Guy 1966: 70.
Wadicosa fidelis (O. Pickard-Cambridge, 1872)	*Pardosa venatrix*; Simon 1909: 38.
MIMETIDAE	**MIMETIDAE**
Ero aphana (Walckenaer, 1802)	*Ero aphana*; Denis 1956b: 205.
Mimetus laevigatus (Keyserling, 1863)	*Mimetus laevigatus*; Mousaid & Bouihouline 2023a: 395.
NEMESIIDAE	**NEMESIIDAE**
Iberesia barbara (Lucas, 1846)	*Nemesia vittipes*; Simon 1912: 414.
Nemesia dorthesi Thorell, 1875	*Nemesia ariasi*; Simon 1914: 13.
Nemesia maculatipes Ausserer, 1871	*Nemesia maculatipes*; Simon 1914: 20.
Nemesia valenciae Kraus, 1955	*Nemesia valenciae*; Denis 1961: 145.
OECOBIIDAE	**OECOBIIDAE**
Oecobius cellariorum (Dugès, 1836)	*Oecobius domesticus*; Simon 1870a: 345.
Oecobius incertus Wunderlich, 1995	*Oecobius incertus* Wunderlich 1995: 593.
Oecobius maculatus Simon, 1870	*Oecobius annulipes maculatus*; Denis 1956b: 206.
Oecobius navus Blackwall, 1859	*Oecobius annulipes*; Denis 1956b: 206.
OONOPIDAE	**OONOPIDAE**
Orchestina dalmasi Denis, 1956*	*Orchestina dalmasi* Denis 1956b: 194.

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Species	First citation in Morocco
Silhouettella loricatula (Roewer, 1942)	*Dysderina loricata*; Denis 1956b: 195.
Telchius maculosus Denis, 1952*	*Telchius maculosus* Denis 1952b: 105.
OXYOPIDAE	**OXYOPIDAE**
Oxyopes algerianus (Walckenaer, 1841)	*Sphasus algerianus* Walckenaer 1841: 459.
Oxyopes globifer (Simon, 1876)	*Oxyopes globifer*; Simon 1909: 39.
Oxyopes heterophthalmus (Latreille, 1804)	*Oxyopes heterophthalmus*; Strand 1916: 43.
Oxyopes lineatus Latreille, 1806	*Oxyopes lineatus*; Denis 1956a: 279.
Oxyopes nigripalpis Kulczyński, 1891	*Oxyopes lineatus nigripalpis*; Denis 1955: 210.
Peucetia arabica Simon, 1882	*Peucetia arabica*; Jocqué 1977: 335.
Peucetia viridis (Blackwall, 1858)	*Peucetia viridis*; Dippenaar-Schoeman *et al.* 2023: 16.
PALPIMANIDAE	**PALPIMANIDAE**
Chedima purpurea Simon, 1873*	*Chedima purpurea* Simon 1873: 152.
Palpimanus denticulatus Hernández-Corral & Ferrández, 2017*	*Palpimanus denticulatus* Hernández-Corral & Ferrández 2017: 38.
Palpimanus gibbulus Dufour, 1820	*Palpimanus gibbulus*; Simon 1909: 20.
Palpimanus maroccanus Kulczyński, 1909	*Palpimanus maroccanus* Kulczyński 1909: 671.
PHILODROMIDAE	**PHILODROMIDAE**
Philodromus calidus Lucas, 1846	*Philodromus calidus*; Muster 2009: 151.
Philodromus collinus C. L. Koch, 1835	*Philodromus collinus*; Caporiacco 1932: 236.
Philodromus fuscolimbatus Lucas, 1846	*Philodromus aureolus*; Jocqué 1977: 328.
Philodromus lividus Simon, 1875	*Philodromus lividus*; Segers 1992: 21.
Pulchellodromus bistigma (Simon, 1870)	*Philodromus bistigma*; Simon 1875: 290.
Pulchellodromus glaucinus (Simon, 1870)	*Philodromus glaucinus*; Simon 1875: 289.
Rhysodromus lepidus (Blackwall, 1870)	*Philodromus lepidus*; Simon 1909: 29.
Thanatus oblongiusculus (Lucas, 1846)	*Thanatus oblongiusculus*; Naumova 2023: 74.
Thanatus vulgaris Simon, 1870	*Thanatus vulgaris major*; Simon 1875: 323.
PHOLCIDAE	**PHOLCIDAE**
Artema martensi Huber, 2021*	*Artema martensi* Huber 2021: 326.
Holocnemus caudatus (Dufour, 1820)	*Holocnemus caudatus*; Barrientos *et al.* 2019: 5.
Holocnemus pluchei (Scopoli, 1763)	*Pholcus barbarus*; C. Koch 1873: 113.
Holocnemus reini (C. L. Koch, 1873)	*Holocnemus reini*; Huber 2022: 29.
Maghreba amezyan Huber, 2022*	*Maghreba amezyan* Huber 2022: 59.
Maghreba aurouxi (Barrientos, 2019)*	*Holocnemus aurouxi* Barrientos, in Barrientos *et al.* 2019: 5.
Maghreba djabalija Huber, 2022*	*Maghreba djabalija* Huber 2022: 94.
Maghreba gharbija Huber, 2022*	*Maghreba gharbija* Huber 2022: 81.
Maghreba kahfa Huber, 2022*	*Maghreba kahfa* Huber 2022: 63.
Maghreba nkob Huber, 2022	*Maghreba nkob* Huber 2022: 76.
Maghreba saghro Huber, 2022*	*Maghreba saghro* Huber 2022: 67.
Maghreba stifadma Huber, 2022*	*Maghreba stifadma* Huber 2022: 67.
Micropholcus agadir (Huber, 2011)*	*Pholcus agadir* Huber 2011: 331.
Micropholcus tegulifer Barrientos, 2019*	*Micropholcus tegulifer* Barrientos, in Barrientos *et al.* 2019: 6.
Pholcus fuerteventurensis Wunderlich, 1992	*Pholcus vachoni*; Dimitrov & Ribera 2005b: 4.
Pholcus opilionoides (Schrank, 1781)	*Pholcus opilionoides*; Barrientos *et al.* 2019: 5.

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Species	First citation in Morocco
Pholcus phalangioides (Fuesslin, 1775)	*Pholcus phalangioides*; Denis 1956b: 202.
PHRUROLITHIDAE	**PHRUROLITHIDAE**
Phrurolithus festivus (C. L. Koch, 1835)	*Phrurolithus festivus*; Denis 1956b: 198.
PISAURIDAE	**PISAURIDAE**
Pisaura mirabilis (Clerck, 1757)	*Pisaura mirabilis*; Denis 1955: 210.
PRODIDOMIDAE	**PRODIDOMIDAE**
Prodidomus amaranthinus (Lucas, 1846)	*Miltia amaranthina*; Simon 1870b: 148.
Zimirina tenuidens Denis, 1956*****	*Zimirina tenuidens* Denis 1956b: 195.
SALTICIDAE	**SALTICIDAE**
Aelurillus aeruginosus (Simon, 1871)	*Aelurillus aeruginosus*; Naumova 2023: 74.
Aelurillus basseleti (Lucas, 1846)	*Aelurillus basseleti*; Denis 1956b: 200.
Aelurillus hirtipes Denis, 1960	*Aelurillus hirtipes*; Azarkina & Logunov 2006: 237.
Aelurillus luctuosus (Lucas, 1846)	*Aelurillus luctuosus*; Simon 1909: 40.
Aelurillus spinicrus (Simon, 1871)*****	*Attus spinicrus* Simon 1871: 157.
Afraflacilla tamaricis (Simon, 1885)	*Pseudicius tamaricis*; Simon 1909: 40.
Afraflacilla tarajalis Miñano & Tamajón, 2017	*Afraflacilla tarajalis* Miñano & Tamajón 2017: 72.
Bianor albobimaculatus (Lucas, 1846)	*Eris albobimaculata*; Simon 1876: 198.
Chalcoscirtus infimus (Simon, 1868)	*Chalcoscirtus infimus*; Caporiacco 1932: 236.
Cyrba algerina (Lucas, 1846)	*Cyrba algerina*; Simon 1909: 39.
Dendryphantes fulviventris (Lucas, 1846)	*Attus fulviventris*; Simon 1871: 175.
Euophrys astuta (Simon, 1871)*****	*Attus astutus* Simon 1871: 206.
Euophrys gambosa (Simon, 1868)	*Euophrys gambosa*; Simon 1876: 181.
Euophrys manicata (Simon, 1871)*****	*Attus manicatus* Simon 1871: 205.
Euophrys nigromaculata (Lucas, 1846)	*Euophrys nigromaculata*; Denis 1956b: 199.
Euophrys rufibarbis (Simon, 1868)	*Euophrys rufibarbis*; Fage 1938: 120.
Euophrys sulphurea (C. L. Koch, 1867)	*Euophrys sulphurea*; Fage 1938: 121.
Evarcha jucunda (Lucas, 1846)	*Evarcha jucunda*; Denis 1956b: 200.
Evarcha laetabunda (C. L. Koch, 1846)	*Evarcha laetabunda*; Jocqué 1977: 331.
Habrocestum bovaei (Lucas, 1846)	*Habrocestum bovaei*; Simon 1909: 40.
Habrocestum ornaticeps (Simon, 1868)	*Attus ornaticeps* Simon 1868: 537.
Hasarius adansoni (Audouin, 1826)	*Hasarius adansoni*; Simon 1909: 41.
Helafricanus edentulus (Simon, 1871)	*Heliophanus edentulus*; Wesołowska 1986: 17.
Helafricanus leucopes (Wesolowska, 2003)	*Heliophanus leucopes* Wesolowska 2003: 270.
Heliophanus decoratus C. L. Koch, 1875	*Heliophanus decoratus*; Wesolowska 1986: 208.
Heliophanus kochii Simon, 1868	*Heliophanus kochii*; Caporiacco 1932: 236.
Heliophanus machaerodus Simon, 1909	*Heliophanus machaerodus* Simon 1909: 39.
Heliophanus stylifer Simon, 1878	*Heliophanus stylifer*; Wesolowska 1986: 43.
Icius hamatus (C. L. Koch, 1846)	*Icius hamatus*; Jocqué 1977: 331.
Leptorchestes mutilloides (Lucas, 1846)	*Salticus mutilloides*; C. Koch 1873: 115.
Macaroeris nidicolens (Walckenaer, 1802)	*Dendryphantes nidicolens*; Denis 1955: 208.
Marpissa nivoyi (Lucas, 1846)	*Marpissa nivoyi*; Logunov 2015: 69.
Menemerus guttatus Wesolowska, 1999*****	*Menemerus guttatus* Wesolowska 1999: 254.
Menemerus semilimbatus (Hahn, 1829)	*Menemerus heydenii*; Simon 1868: 665.

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TABLE 1. (Continued)

Species	First citation in Morocco
Neaetha membrosa (Simon, 1868)	*Attus albibarbis*; Simon 1871: 225.
Pellenes levaillanti (Lucas, 1846)	*Attus levaillanti*; Simon 1871: 160.
Philaeus chrysops (Poda, 1761)	*Dendryphantes albovariegatus*; Simon 1868: 723.
Philaeus raribarbis Denis, 1955*	*Philaeus raribarbis* Denis 1955: 208.
Phlegra bresnieri (Lucas, 1846)	*Phlegra bresnieri*; Simon 1909: 41.
Plexippus devorans (O. Pickard-Cambridge, 1872)	*Plexippus devorans*; Mousaid & Bouihouline 2023b: 12.
Plexippus paykulli (Audouin, 1826)	*Plexippus paykulli*; Mousaid & Bouihouline 2023b: 13.
Pseudeuophrys vafra (Blackwall, 1867)	*Euophrys vafra*; Denis 1956c: 27.
Pseudomogrus saliens (O. Pickard-Cambridge, 1876)	*Attulus saliens*; Simon 1909: 40.
Salticus conjonctus (Simon, 1868)	*Salticus conjonctus*; Denis 1954: 134.
Salticus modicus (Simon, 1875)	*Salticus modicus*; Jocqué 1977: 331.
Salticus mutabilis Lucas, 1846	*Salticus mutabilis*; Simon 1909: 40.
Salticus propinquus Lucas, 1846	*Salticus propinquus*; Denis 1956b: 200.
Thyene imperialis (Rossi, 1846)	*Thyene imperialis*; Simon 1909: 41.
SCYTODIDAE	**SCYTODIDAE**
Scytodes major Simon, 1886	*Scytodes major*; Simon 1909: 13.
Scytodes velutina Heineken & Löwe, 1832	*Scytodes velutina delicatula*; Simon 1909: 13.
SEGESTRIIDAE	**SEGESTRIIDAE**
Ariadna insidiatrix Audouin, 1826	*Ariadna insidiatrix*; C. Koch 1873: 116.
Ariadna maroccana Wunderlich, 2011*	*Ariadna maroccana* Wunderlich 2011: 192.
Segestria florentina (Rossi, 1790)	*Segestria florentina*; Simon 1909: 15.
SICARIIDAE	**SICARIIDAE**
Loxosceles imazighen Ribera & Massa, 2021*	*Loxosceles imazighen* Ribera & Massa, in Massa & Ribera 2021: 334.
Loxosceles rufescens (Dufour, 1820)	*Loxosceles distincta*; Simon 1909: 13.
SPARASSIDAE	**SPARASSIDAE**
Cebrennus atlas Jäger, 2014*	*Cebrennus atlas* Jäger 2014: 324.
Cebrennus powelli Fage, 1922*	*Cebrennus powelli* Fage 1922: 163.
Cebrennus rechenbergi Jäger, 2014*	*Cebrennus rechenbergi* Jäger 2014: 339.
Cebrennus rungsi Jäger, 2000*	*Cebrennus rungsi* Jäger 2000: 172.
Cerbalus nigriventris Simon, 1909	*Cerbalus nigriventris* Simon 1909: 31.
Eusparassus atlanticus Simon, 1909*	*Eusparassus argelasius atlanticus* Simon 1909: 30.
Eusparassus fritschi (C. Koch, 1873)*	*Ocypete fritschi* C. Koch 1873: 114.
Eusparassus oraniensis (Lucas, 1846)	*Sparassus oraniensis*; Simon 1874: 255.
Heteropoda venatoria (Linnaeus, 1767)	*Heteropoda venatoria*; Strand 1915: 247.
Micrommata ligurina (C. L. Koch, 1845)	*Micrommata ligurinum*; Simon 1909: 31.
Olios annulipes Lucas, 1857	*Olios annulipes* Lucas 1857: 160.
Olios argelasius (Walckenaer, 1806)	*Eusparassus argelasius*; Strand 1916: 35.
Olios baulnyi (Simon, 1874)	*Sparassus baulnyi* Simon 1874: 258.
Olios pictus (Simon, 1885)	*Olios pictus*; Jäger 2020: 16.
TETRAGNATHIDAE	**TETRAGNATHIDAE**
Meta bourneti Simon, 1922	*Meta bourneti*; Berland 1922: 137.
Metellina merianae (Scopoli, 1763)	*Metellina merianae*; Machado 1942: 13.

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TABLE 1. (Continued)

Species	First citation in Morocco
Metellina segmentata (Clerck, 1757)	*Metellina segmentata*; Ribera 1983: 73.
Pachygnatha degeeri dysdericolor Jocqué, 1977*	*Pachygnatha degeeri dysdericolor* Jocqué 1977: 333.
Tetragnatha extensa (Linnaeus, 1758)	*Tetragnatha extensa*; Jocqué 1977: 333.
Tetragnatha nitens (Audouin, 1826)	*Tetragnatha nitens*; Simon 1909: 24.
Tetragnatha obtusa C. L. Koch, 1837	*Tetragnatha obtusa*; Jocqué 1977: 333.
THERAPHOSIDAE	**THERAPHOSIDAE**
Ischnocolus elongatus (Simon, 1873)*	*Cyrtauchenius elongatus* Simon 1873: 32.
Ischnocolus mogadorensis Simon, 1909*	*Ischnocolus mogadorensis* Simon 1909: 10.
Ischnocolus valentinus (Dufour, 1820)	*Avicularia marocanna*; Simon 1873: 15.
THERIDIIDAE	**THERIDIIDAE**
Anatolidion gentile (Simon, 1881)	*Theridion crinigerum* Simon 1881: 72.
Anelosimus pulchellus (Walckenaer, 1802)	*Anelosimus pulchellus*; Bosmans & Van Keer 2012: 130.
Argyrodes argyrodes (Walckenaer, 1841)	*Conopistha gibbosa*; Denis 1956b: 202.
Crustulina erythropus (Lucas, 1846)	*Crustulina erythropus*; Simon 1881: 160.
Crustulina scabripes Simon, 1881	*Crustulina scabripes* Simon 1881: 159.
Enoplognatha biskrensis Denis, 1945	*Enoplognatha biskrensis*; Bosmans & Van Keer 2012: 135.
Enoplognatha carinata Bosmans & Van Keer, 1999	*Enoplognatha carinata* Bosmans & Van Keer 1999: 237.
Enoplognatha deserta Levy & Amitai, 1981	*Enoplognatha deserta*; Bosmans & Van Keer 1999: 230.
Enoplognatha diversa (Blackwall, 1859)	*Enoplognatha diversa*; Simon 1909: 24.
Enoplognatha franzi Wunderlich, 1995	*Enoplognatha franzi*; Bosmans & Van Keer 1999: 224.
Enoplognatha latimana Hippa & Oksala, 1982	*Enoplognatha ovata*; Jocqué 1977: 332 (misid.).
Enoplognatha mandibularis (Lucas, 1846)	*Enoplognatha mandibularis*; Simon 1884: 186.
Enoplognatha mordax (Thorell, 1875)	*Enoplognatha mordax*; Bosmans & Van Keer 1999: 213.
Enoplognatha nigromarginata (Lucas, 1846)	*Enoplognatha nigromarginata*; Simon 1884: 180.
Enoplognatha quadripunctata Simon, 1884	*Enoplognatha quadripunctata*; Bosmans & Van Keer 1999: 219.
Enoplognatha verae Bosmans & Van Keer 1999	*Enoplognatha verae* Bosmans & Van Keer 1999: 213.
Episinus truncatus Latreille, 1809	*Episinus truncatus*; Simon 1873: 125.
Euryopis episinoides (Walckenaer, 1847)	*Euryopis acuminata*; Simon 1909: 22.
Kochiura aulica (C. L. Koch, 1838)	*Theridion aulicum*; Simon 1909: 21.
Lasaeola convexa (Blackwall, 1870)	*Lasaeola convexa*; Bosmans & Van Keer 2012: 143.
Lasaeola testaceomarginata Simon, 1881	*Dipoena testaceomarginata*; Denis 1956b: 203.
Latrodectus cinctus Blackwall, 1865	*Latrodectus cinctus*; Lotz 1994: 28.
Latrodectus dahli Levi, 1959	*Latrodectus dahli*; Jäger & Gromov 2011: 188.
Latrodectus geometricus C. L. Koch, 1841	*Latrodectus geometricus*; Bosmans & Van Keer 2012: 143.
Latrodectus tredecimguttatus (Rossi, 1790)	*Latrodectus hispidus*; C. Koch 1873: 112.
Neottiura uncinata (Lucas, 1846)	*Theridion uncinatum*; Simon 1881: 59.
Nesticodes rufipes (Lucas, 1846)	*Robertus pilosus*; Denis 1956b: 203.
Paidiscura dromedaria (Simon, 1880)	*Theridion dromedarius*; Simon 1908: 427.
Phylloneta impressa (C. L. Koch, 1881)	*Theridium impressum*; Jocqué 1977: 332.
Platnickina nigropunctata (Lucas, 1846)	*Theridium nigropunctatum*; Denis 1956b: 203.
Ruborridion musivum (Simon, 1873)	*Theridion musivum*; Simon 1909: 23.
Simitidion lacuna Wunderlich, 1992	*Simitidion lacuna*; Bosmans & Van Keer 2012: 150.
Steatoda albocincta (Lucas, 1846)	*Steatoda albocincta*; Bosmans & Van Keer 2012: 151.

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TABLE 1. (Continued)

Species	First citation in Morocco
Steatoda erigoniformis (O. Pickard-Cambridge, 1872)	*Steatoda erigoniformis*; Bosmans & Van Keer 2012: 152.
Steatoda grossa (C. L. Koch, 1838)	*Steatoda grossa*; Simon 1909: 22.
Steatoda ifricola Lecigne, Lips, Moutaouakil & Oger, 2020*	*Steatoda ifricola* Lecigne *et al.* 2020: 15.
Steatoda incomposita (Denis, 1957)	*Steatoda incomposita*; Naumova 2023: 76.
Steatoda ingeae Van Keer, 2024*	*Steatoda ingeae* Van Keer, in Van Keer *et al.* 2024: 6.
Steatoda koeni Van Keer, 2024*	*Steatoda koeni* Van Keer, in Van Keer *et al*. 2024: 8.
Steatoda latifasciata (Simon, 1873)	*Lithyphantes latifasciatus*; Simon 1909: 23.
Steatoda maura (Simon, 1909)	*Lithyphantes maurus* Simon 1909: 23.
Steatoda nobilis (Thorell, 1875)	*Teutana nobilis*; Denis 1962b: 65.
Steatoda paykulliana (Walckenaer, 1806)	*Lithyphantes paykulliana*; Simon 1909: 23.
Steatoda triangulosa (Walckenaer, 1802)	*Teutana triangulosa*; Denis 1956b: 203.
Theridion hannoniae Denis, 1945	*Theridion hannoniae*; Bosmans & Van Keer 2012: 157.
Theridion melanostictum O. Pickard-Cambridge, 1876	*Theridion melanostictum*; Bosmans & Van Keer 2012: 157.
Theridion melanurum Hahn, 1831	*Theridion denticulatum*; Simon 1881: 79.
Theridion mystaceum C. L. Koch, 1870	*Theridion mystaceum*; Ledoux 1979: 283.
Theridion petraeum C. L. Koch, 1872	*Theridion petraeum*; Simon 1909: 22.
Theridion pinicola Simon, 1873	*Theridion pinicola*; Bosmans & Van Keer 2012: 159.
THOMISIDAE	**THOMISIDAE**
Bassaniodes bliteus (Simon, 1875)	*Oxyptila blitea*; Simon 1909: 29.
Bassaniodes bufo (Dufour, 1820)	*Oxyptila albimana*; Simon 1875: 218.
Bassaniodes cribratus (Simon, 1885)	*Thomisus pilosus*; Simon 1870a: 323.
Bassaniodes lalandei (Audouin, 1826)	*Xysticus lalandei*; Simon 1912: 416.
Bassaniodes squalidus (Simon, 1883)	*Xysticus squalidus*; Simon 1909: 28.
Diaea dorsata (Fabricius, 1777)	*Diaea dorsata*; Denis 1956b: 199.
Heriaeus buffoni (Audouin, 1826)	*Thomisus buffoni*; C. Koch 1873: 114.
Heriaeus hirtus (Latreille, 1819)	*Thomisus villosus*; C. Koch 1873: 113.
Heriaeus maurusius Loerbroks, 1983*	*Heriaeus maurusius* Loerbroks 1983: 117.
Heriaeus numidicus Loerbroks, 1983	*Heriaeus numidicus* Loerbroks 1983: 113.
Misumena vatia (Clerck, 1757)	*Misumena vatia*; Denis 1956a: 276.
Misumenoides depressus (O. Pickard-Cambridge, 1891)	*Misumenoides depressus*; Simon 1909: 28.
Monaeses paradoxus (Lucas, 1846)	*Monaeses paradoxus*; Denis 1956b: 199.
Ozyptila laevis Denis, 1954*	*Ozyptila laevis* Denis 1954: 134.
Ozyptila leprieuri Simon, 1875	*Ozyptila leprieuri* Simon 1875: 239.
Ozyptila pauxilla (Simon, 1870)	*Thomisus pauxillus* Simon 1870a: 322.
Ozyptila perplexa Simon, 1875	*Ozyptila perplexa*; Jocqué 1977: 328.
Pistius truncatus (Pallas, 1772)	*Pistius truncatus*; Werner 1930: 17.
Psammitis sabulosa (Hahn, 1832)	*Xysticus sabulosus*; C. Koch 1873: 114.
Runcinia depressa Simon, 1906	*Runcinia depressa*; Simon 1909: 28.
Runcinia flavida (Simon, 1881)	*Runcinia flavida*; Simon 1909: 28.
Runcinia grammica (C. L. Koch, 1837)	*Runcinia lateralis*; Denis 1956a: 276.
Synema globosum (Fabricius, 1775)	*Thomisus globosus*; C. Koch 1873: 113.
Thomisus onustus Walckenaer, 1805	*Thomisus diadema*; C. Koch 1873: 113.

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TABLE 1. (Continued)

Species	First citation in Morocco
Xysticus erraticus (Blackwall, 1834)	*Xysticus erraticus*; Jocqué 1977: 328.
Xysticus gattefossei Denis, 1956*	*Xysticus gattefossei* Denis 1956b: 199.
Xysticus kochi Thorell, 1872	*Xysticus kochi*; Simon 1932: 876.
Xysticus nubilus Simon, 1875	*Xysticus nubilus*; Simon 1932: 876.
Xysticus quagga Jocqué, 1977*	*Xysticus quagga* Jocqué 1977: 329.
Xysticus tortuosus Simon, 1932	*Xysticus tortuosus* Simon 1932: 878.
TITANOECIDAE	**TITANOECIDAE**
Nurscia albomaculata (Lucas, 1846)	*Titanoeca albomaculata*; Denis 1956b: 206.
TRACHELIDAE	**TRACHELIDAE**
Trachelas canariensis Wunderlich, 1987	*Trachelas canariensis*; Bosselaers *et al.* 2009: 23.
Trachelas minor O. Pickard-Cambridge, 1872	*Trachelas minor*; Denis 1956b: 198.
ULOBORIDAE	**ULOBORIDAE**
Uloborus plumipes Lucas, 1846	*Uloborus plumipes*; Denis 1956b: 205.
Uloborus walckenaerius Latreille, 1806	*Uloborus walckenaerius*; Denis 1956b: 206.
ZODARIIDAE	**ZODARIIDAE**
Acanthinozodium cirrisulcatum Denis, 1952	*Acanthinozodium cirrisulcatum* Denis 1952c: 59.
Acanthinozodium cirrisulcatum longispina Denis, 1952*	*Acanthinozodium cirrisulcatum longispina* Denis 1952c: 59.
Acanthinozodium quercicola Jocqué & Henrard, 2015*	*Acanthinozodium quercicola* Jocqué & Henrard 2015: 15.
Acanthinozodium sericeum Denis, 1956*	*Acanthinozodium sericeum* Denis 1956b: 200.
Acanthinozodium subclavatum Denis, 1952*	*Acanthinozodium subclavatum* Denis 1952c: 60.
Selamia reticulata (Simon, 1870)	*Storena reticulata*; Benhalima, in Villemant & Fraval, 1992: 161.
Selamia tribulosa (Simon, 1909)*	*Selamia tribulosa* Simon 1909: 20.
Trygetus berlandi Denis, 1952*	*Trygetus berlandi* Denis 1952c: 63.
Zodarion abnorme Denis, 1952*	*Zodarion abnorme* Denis 1952c: 62.
Zodarion azrouense Bosmans & Benhalima, 2020*	*Zodarion azrouense* Bosmans & Benhalima, in Benhalima & Bosmans 2020: 102.
Zodarion ericorum Bosmans, 2020*	*Zodarion ericorum* Bosmans, in Benhalima & Bosmans 2020: 103.
Zodarion isabellinum (Simon, 1870)	*Zodarion isabellinum*; Benhalima & Bosmans 2020: 96.
Zodarion jeanclaudeledouxi Bosmans & Benhalima, 2020*	*Zodarion jeanclaudeledouxi* Bosmans & Benhalima, in Benhalima & Bosmans 2020: 104.
Zodarion maculatum (Simon, 1870)	*Enyo maculata* Simon 1870b: 146.
Zodarion maghrebense Bosmans & Benhalima, 2020	*Zodarion maghrebense* Bosmans & Benhalima, in Benhalima & Bosmans, 2020: 102.
Zodarion mostafai Benhalima & Bosmans, 2020*	*Zodarion mostafai* Benhalima & Bosmans 2020: 104.
Zodarion ogeri Bosmans & Benhalima, 2020*	*Zodarion ogeri* Bosmans & Benhalima, in Benhalima & Bosmans 2020: 105.
Zodarion pallidum Denis, 1952*	*Zodarion pallidum* Denis 1952c: 61.
Zodarion trianguliferum Denis, 1952*	*Zodarion trianguliferum* Denis 1952c: 61.
Zodarion valentii Bosmans, Loverre & Addante, 2019	*Zodarion valentii* Bosmans, Loverre & Addante, in Bosmans *et al.* 2019b: 10.
Zodarion wesolowskae Bosmans & Benhalima, 2020*	*Zodarion wesolowskae* Bosmans & Benhalima, in Benhalima & Bosmans 2020: 105.

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TABLE 1. (Continued)

Species	First citation in Morocco
ZOROPSIDAE	**ZOROPSIDAE**
Zoropsis bilineata Dahl, 1901	*Zoropsis xylina*; Simon 1909: 13.
Zoropsis media Simon, 1878	*Zoropsis media*; Denis 1956b: 207.
Zoropsis spinimana (Dufour, 1820)	*Zora algirica*; C. Koch 1873: 116.

From the checklist (Table 1), a total of 549 species belonging to 225 genera and 46 families are present in Morocco.

Seven large families represent more than half of the total species number: Linyphiidae (84), Gnaphosidae (56), Lycosidae (54), Theridiidae (50), Salticidae (48), followed by Thomisidae (30) and Araneidae (28) indicating they are the most diverse in terms of species richness (Table 2, Figure 3). Other families include fewer species, as Dysderidae (24), Zodariidae (21), Agelenidae (18), Pholcidae (17), Sparassidae (14) and while 30% of families are represented by less than 10 species (Table 2, Figure 3).

Concerning the rich diversity of the genera, *Dysdera* is the largest taxon (23) followed by *Lepthyphantes* (18), *Zodarion* (13), *Steatoda* (12), *Arctosa*, *Enoplagnatha*, *Haplodrassus* and *Lycosa* (each 11), *Zelotes* (10) and *Lycosoïdes* (9) (Table 1).

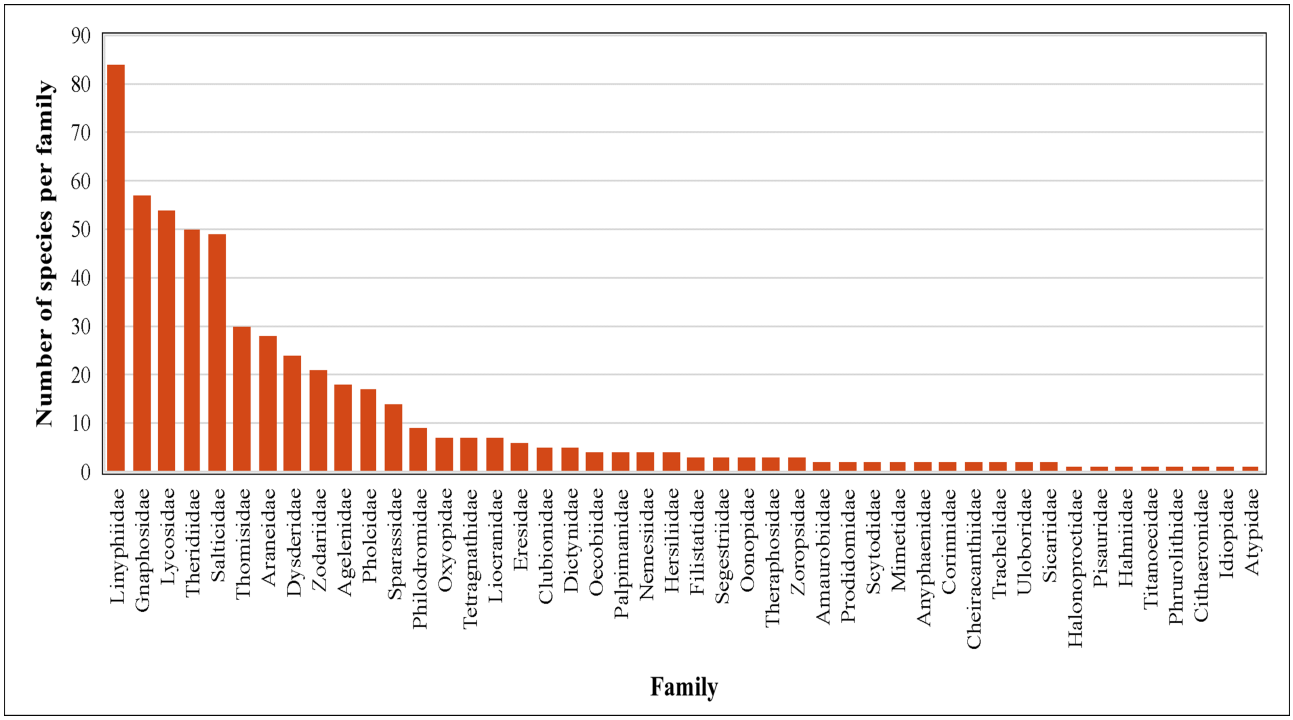

FIGURE 3. Number of species per family in ascending order.

TABLE 2. Number of genera, species and endemic species per family in Morocco.

Family	genera	species	endemic species
Agelenidae	6	18	8
Amaurobiidae	1	2	0
Anyphaenidae	1	2	0
Araneidae	17	28	0
Atypidae	1	1	0

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TABLE 2. (Continued)

Family	genera	species	endemic species
Cheiracanthiidae	1	2	0
Cithaeronidae	1	1	1
Clubionidae	2	5	0
Corinnidae	2	2	0
Dictynidae	4	5	1
Dysderidae	2	24	18
Eresidae	3	6	1
Filistatidae	2	3	1
Gnaphosidae	18	56	8
Hahniidae	1	1	1
Halonoproctidae	1	1	1
Hersiliidae	3	4	0
Idiopidae	1	1	1
Linyphiidae	37	84	27
Liocranidae	4	7	2
Lycosidae	11	54	25
Mimetidae	2	2	0
Nemesiidae	2	4	0
Oecobiidae	1	4	0
Oonopidae	3	3	2
Oxyopidae	2	7	0
Palpimanidae	2	4	2
Philodromidae	4	9	0
Pholcidae	5	17	10
Phrurolithidae	1	1	0
Pisauridae	1	1	0
Prodidomidae	2	2	1
Salticidae	26	48	5
Scytodidae	1	2	0
Segestriidae	2	3	1
Sicariidae	1	2	1
Sparassidae	6	14	6
Tetragnathidae	4	7	1
Theraphosidae	1	3	2
Theridiidae	19	50	3
Thomisidae	13	30	4
Titanoecidae	1	1	0
Trachelidae	1	2	0
Uloboridae	1	2	0
Zodariidae	4	21	15
Zoropsidae	1	3	0
Total	Total	Total	Total
46	**225**	**549**	**148**

Among the 549 species of spiders cited in Morocco, 148 are endemic (Table 2). Of the 46 families present, only 26 families have endemic species. Figure 4 show the number of endemic species versus the total number of species. The families with the most endemic species are Linyphiidae (27), followed by Lycosidae (25), Dysderidae (18), Zodariidae (15), Pholcidae (10), Agelenidae (8), Gnaphosidae (8) and Sparassidae (6). Note that the endemic richness of the genera *Dysdera*, *Lepthyphantes* and *Zodarion* has the highest numbers (Table 1).

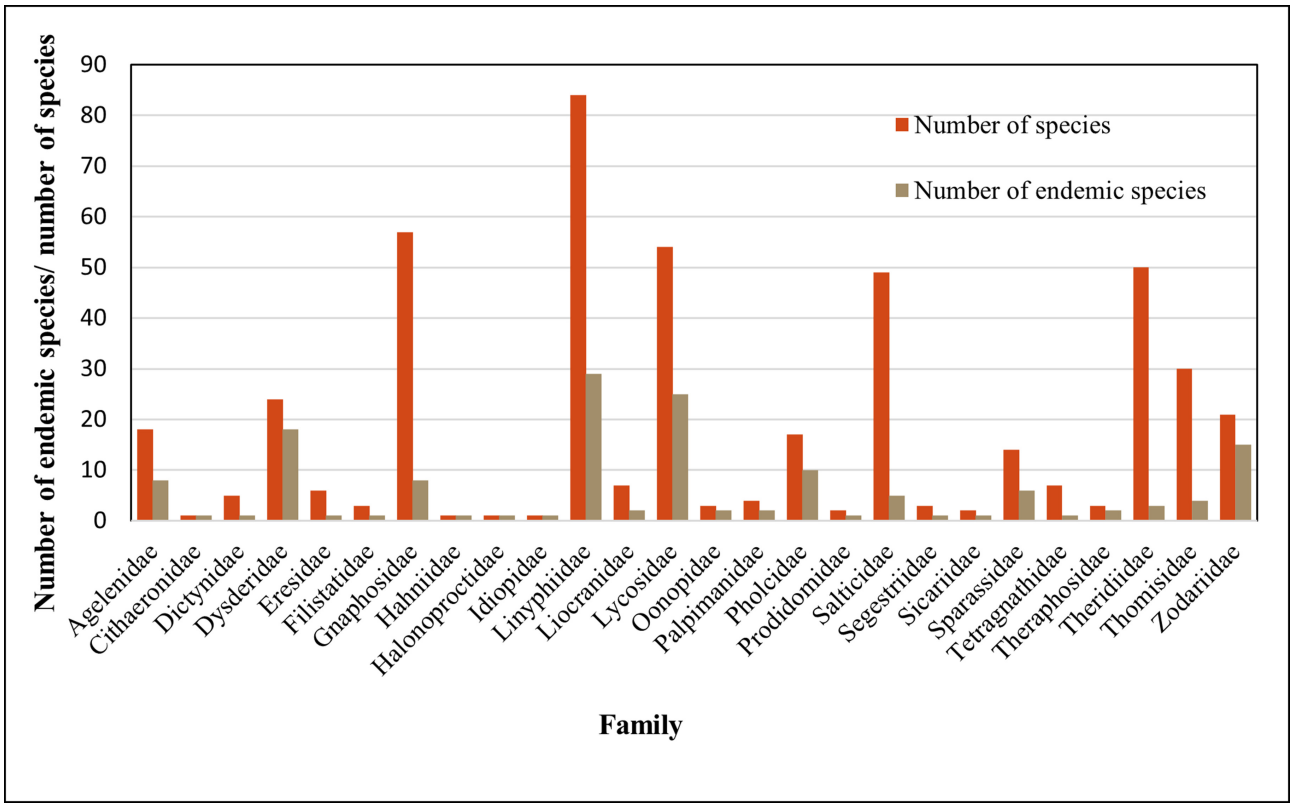

FIGURE 4. Number of the endemic species versus the total number of species per family.

Note that by browsing the bibliography of spiders cited in Morocco, certain species posed problems; these are reported in Table 3.

According to some French arachnologists who also know well the Moroccan arachnological fauna, it is probable that Morocco hosts double the overall species richness of the spiders mentioned in this study, given its botanical diversity (Ledoux, pers. comm.). Another researcher estimates triple the species number hat was put forward (Lecigne, pers. comm.), given the great diversity of landscapes, ecosystems and biogeographic sectors compared to European countries, located on the northern shore of the Mediterranean such as France, Italy or Spain, which contain respectively 1597, 1586 and 1400 species of spiders according to the WSC (2024).

By comparing the specific richness of the Moroccan arachnological fauna to that of other North African countries while relying on national data provided by WSC (2024) we note that: Algeria is at the top of the list with 889 species, followed by Morocco with 505, Tunisia and Egypt in 3rd place, each containing 400 species, while Libya is last with 312. In view of these results, spiders deserve to be better explored on the scale of North Africa especially since these countries do not have recent checklists, with the exception of Algeria (Benhacene *et al.* 2023). However, we are not in favour of citing this reference since as regrettably the article is full of systematic and taxonomic errors, hoping that a new checklist will be published soon by professional arachnologists. In certain countries such as Mauritania, the list has never been drawn up, while in Libya, partial lists were previously established by Simon (1908) and Caporiocco (1934, 1936). Finally, for the two other Maghreb countries, their outdated lists 2016 in Tunisia (Dimassi *et al.* 2016) and 2017 in Egypt (El-Hennawy, 2017) are now in the process of being updated by the specialists of these countries.

TABLE 3. List of species encountered in the literature having caused problems.

Species initially misidentified by some authors but subsequently corrected by others. These species are included in the list in Table 1.	
Family / species	**Comments**
Pholcidae	
Holocnemus reini (C. Koch, 1873)	*Pholcus reini* described by C. Koch (1873), then incorrectly written by Denis (1956b) "*Pholcus reinei*" and currently cited by (Huber, 2022) as *Holocnemus reini*.
Salticidae	
Habrocestum ornaticeps (Simon, 1868)	*Habrocestum bovei* cited by Simon (1909) in Morocco then corrected by Dalmas (1920) as *Habrocestum ornaticeps*.
Theridiidae	
Enoplognatha latimana Hippa & Oksala, 1982	*Enoplognatha ovata* (Clerck, 1757) cited by Jocqué (1977) then corrected by Bosmans & Van Keer (2015) as *Enoplognatha latimana*.
Thomisidae	
Heriaeus hirtus (Latreille, 1819)	*Thomisus villosus* Walckenaer (1837) cited by C. L. Koch (1873) then corrected by Denis (1956b) as *Heriaeus hirtus*.
Species misidentified or erroreous and not included in Table 1.	
Family / species	**Comments**
Macrothelidae	
Macrothele calpeiana (Walckenaer, 1805)	The presence of a juvenile *M. calpeiana* captured in the city of Ceuta may be due to an accidental introduction (Ferrández & Ferrández de Cespédes, 1996). *M. calpeiana* has not been collected in Morocco according to Jiménez-Valverde, 2009.
Dysderidae	
Dysdera rudis Simon, 1882	Known from a single male from France (Simon, 1914). The citation from Morocco is an error by Roewer (1955), taken up by other authors (Le Peru 2006).
Eresidae	
Adonea fimbriata Simon, 1873	The species citation is not accepted because the identfication of the individual (Naumova, 2023) was based on a subadult.

Conclusion and perspectives

This synthesis of knowledge has finally made it possible to draw up, for the first time, the global inventory of Moroccan arachnological fauna, which to date counts 549 species of which 27 % are endemic. Does this mean that this number should be considered satisfactory? No, because these data are far from reflecting the reality, given the great biodiversity and the different biotopes that the country contains. This number clearly shows how fragmentary our current knowledge is and requires targeted and sustained studies over time on this group of arachnids in the future. Indeed, several samples of spiders were taken through occasional collections, carried out mainly in spring, often by botanists or entomologists a few arachnologists excepted. The Moroccan territory is still little explored and many other new species remain to be discovered.

However, this inventory already constitutes a documented knowledge database that includes 172 references, and available for the first time and accessible for any future research on Moroccan spiders. This work is also the prelude to the very soon production of a catalog, which will include the list established in the present work supplemented with other new reported species which are currently being described. On the other hand, all the taxa will be illustrated on geographical distribution maps of Morocco and their representatives will be deposited in a collection at the National Museum of Natural History at the Scientific Institute of Rabat. Thus, the catalog currently in preparation for this group of arachnids will be unique for Morocco and exemplary for North Africa.

Acknowledgments

We would like to thank the reviewers for taking the necessary time and effort to review the manuscript. We sincerely appreciate all their valuable suggestions and comments.

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