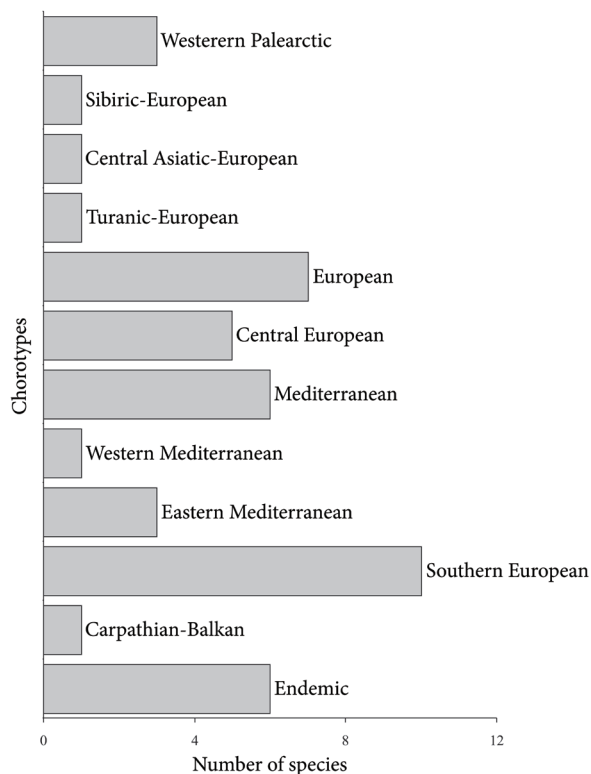


**THE CENTIPEDES (CHILOPODA) OF MONTENEGRO. B. M. Mitić, S. E. Makarov, and V. T. Tomić.**  
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Latzel (1888), Verhoeff (1901), Attems (1929, 1959), Kovačević (1930-31), Jawlowski (1933), and Matic and Dărăbanțu (1968) laid the foundations of our knowledge of the centipedes of Montenegro in the second half of the 19th century and first half of the 20th century. More recently, Kos (1992), Stoev (1997), Mitić and Tomić (2002), and Mitić (2005) have done much to increase it. However, the chilopod fauna of Montenegro is still far from being sufficiently known.



**Fig. 1.** Chorotypes in the centipede fauna of Montenegro.

The collected material is preserved in glass vials filled with 70% ethanol. Identification took place at the Institute of Zoology, Faculty of Biology, University of Belgrade. Indicated for each species are: the scientific name; the complete name of the author and year of publication; the distribution in Montenegro; and the chorotype (according to Vigna Taglianti et al., 1999). The centipede fauna of Montenegro, based both on literature records and current research, is represented by a total of 45 species

(one species of Scutigermorpha, 25 of Lithobiomorpha, five of Scolopendromorpha, and 14 of Geophilomorpha) (Table 1). Of these, *Eupolybothrus* (*Schizopolybothrus*) *caesar* (Verhoeff) (one specimen collected in Savinska Dubrava, nr. Herceg Novi) is recorded for the first time in the studied region. In comparison with neighboring countries, more chilopod species have been recorded on the territory of Albania (46), Serbia (50), Bosnia and Herzegovina (75), and Croatia (78) (Enghoff, 2005; Mitić, 2005). The greatest number of representatives of centipedes in Montenegro is registered within the families Lithobiidae (25 species or 55.55%) and Geophilidae (six species or 13.33%). Each of the remaining eight families is represented by less than four species.

Zoogeographically, an analysis of the chorotypes represented in the study area shows that 10 centipede species from Montenegro (or 22.22%) have a Southern European distribution, seven (or 15.55%) are European, and six (or 13.33%) have a Mediterranean character (Fig. 1). Five species (or 11.11%) have a Central European distribution, three (or 6.66%) are Eastern Mediterranean species, and three species (or 6.66%) have a Western Palearctic distribution. Each of the remaining chorotypes (Carpathian-Balkan, Western Mediterranean, Central Asiatic-European, Turanic-European, and Sibiric-European) is represented by one chilopod taxon (or 2.22%). Finally, the endemic complex (Balkan, Western Balkan, and Southern Dinaric endemics) includes six species (or 13.33%) (Table 1). Of these, *Eupolybothrus* (*Eupolybothrus*) *gloriastygis* (Absolon), *Lithobius* (*Lithobius*) *sketi* Matic & Dărăbanțu, and *Lithobius* (*Thracolithobius*) *remyi* Jawlowski have been recorded from cave sites only.

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**Table 1.** Ranges of centipedes in Montenegro. Abbreviations: MNC = Montenegrin Coast, PDK = plateau of deep karst, CMD = Central Montenegrin depression, HMP = region of high mountains and plateaus, NEM = region of Northeast Montenegro.

Genus and species	Distribution in Montenegro	Chorotype
<i>Scutigera coleoptrata</i> (Linnaeus, 1758)	MNC, CMD	MED
<i>Eupolybothrus</i> ( <i>Eupolybothrus</i> ) <i>gloriastygis</i> (Absolon, 1916)	CMD	BAL
<i>Eupolybothrus</i> ( <i>Eupolybothrus</i> ) <i>litoralis</i> (L. Koch, 1867)	MNC, PDK, CMD, HMP	EME
<i>Eupolybothrus</i> ( <i>Leptopolybothrus</i> ) <i>tridentinus</i> (Fanzago, 1874)	PDK, HMP	CEU
<i>Eupolybothrus</i> ( <i>Mesobothrus</i> ) <i>transsylvanicus</i> (Latzel, 1882)	MNC, PDK	CAB
<i>Eupolybothrus</i> ( <i>Parapolybothrus</i> ) <i>herzegowinensis</i> (Verhoeff, 1900)	MNC	WBE
<i>Eupolybothrus</i> ( <i>Schizopolybothrus</i> ) <i>caesar</i> (Verhoeff, 1899)	MNC	SEU
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>agilis</i> C. L. Koch, 1847	PDK	CEU
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>erythrocephalus</i> C. L. Koch, 1847	CMD	EUR
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>forficatus</i> (Linnaeus, 1758)	MNC, CMD, HMP	EUR
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>lapidicola</i> Meinert, 1872	MNC	EUR
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>lucifugus</i> L. Koch, 1862	PDK, CMD, HMP	EUR
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>melanops</i> Newport, 1845	PDK	EUR
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>muticus</i> C. L. Koch, 1847	PDK	CEU
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>nigripalpis</i> L. Koch, 1867	PDK	SEU
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>peregrinus</i> Latzel, 1880	MNC	SEU
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>punctulatus</i> C. L. Koch, 1847	PDK, HMP	WPA
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>sketi</i> Matic & Dărăbanțu, 1968	MNC	WBE
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>tenebrosus</i> Meinert, 1872	PDK	CEU
<i>Lithobius</i> ( <i>Lithobius</i> ) <i>viriatu</i> s Sseliwanoff, 1878	MNC, PDK	SEU
<i>Lithobius</i> ( <i>Monotarsobius</i> ) <i>crassipes</i> L. Koch, 1862	PDK	WPA
<i>Lithobius</i> ( <i>Sigibius</i> ) <i>burzenlandicus</i> Verhoeff, 1931	CMD, PDK	CEU
<i>Lithobius</i> ( <i>Sigibius</i> ) <i>trebinjanus</i> Verhoeff, 1900	MNC, PDK	BAL
<i>Lithobius</i> ( <i>Thracolithobius</i> ) <i>remyi</i> Jawlowski, 1933	NEM	SDE
<i>Harpolithobius</i> <i>anodus</i> (Latzel, 1880)	MNC, PDK	SEU
<i>Pleuroolithobius</i> <i>patriarchalis</i> (Berlese, 1894)	MNC, CMD, HMP	EME
<i>Scolopendra</i> <i>cingulata</i> Latreille, 1829	MNC, PDK, CMD	MED
<i>Scolopendra</i> <i>dalmatica</i> C. L. Koch, 1847	MNC, PDK, CMD, HMP	EME
<i>Theatops</i> <i>erythrocephala</i> (C. L. Koch, 1847)	MNC, PDK, CMD	WME
<i>Cryptops</i> <i>anomalans</i> Newport, 1844	Without precise locality	SEU
<i>Cryptops</i> <i>hortensis</i> (Donovan, 1810)	MNC, HMP	CAE
<i>Himantarium</i> <i>gabrielis</i> (Linnaeus, 1767)	MNC, PDK, CMD, HMP	MED
<i>Stigmatogaster</i> <i>gracilis</i> (Meinert, 1870)	MNC, PDK, CMD	MED
<i>Dignathodon</i> <i>microcephalus</i> (Lucas, 1846)	MNC	MED
<i>Henia</i> ( <i>Meinertia</i> ) <i>bicarinata</i> (Meinert, 1870)	MNC	MED
<i>Henia</i> ( <i>Meinertia</i> ) <i>illyrica</i> (Meinert, 1870)	MNC, PDK	SEU
<i>Schendyla</i> <i>dalmatica</i> Attems, 1904	MNC	WBE
<i>Pachymerium</i> <i>ferrugineum</i> (C. L. Koch, 1835)	PDK	WPA
<i>Clinopodes</i> <i>flavidus</i> C. L. Koch, 1847	MNC, PDK, CMD, HMP	TUE
<i>Clinopodes</i> <i>trebevicensis</i> (Verhoeff, 1898)	HMP	SEU
<i>Geophilus</i> <i>carpophagus</i> Leach, 1815	CMD	EUR
<i>Geophilus</i> <i>flavus</i> (De Geer, 1778)	MNC	SIE
<i>Geophilus</i> <i>sorrentinus</i> Attems, 1903	Without precise locality	SEU
<i>Strigamia</i> <i>acuminata</i> (Leach, 1815)	Without precise locality	EUR
<i>Strigamia</i> <i>transsilvanica</i> (Verhoeff, 1928)	Without precise locality	SEU

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