

Appendix 1. Mean latitude, species number of oribatid mites and author(s) of the respective study as they were used for the species-latitude curve for oribatid mites of the world.

country or region	latitude	no. of species	published by
Brazil	10	708	Oliveira et al. (2005) and others
Peru	10	411	Schatz unpubl.
Mexico	23	551	Palacios-Vargas (1994) and others
Australia	27	347	Colloff and Halliday (1998)
Japan	35	833	Fujikawa et al. (1993)
China; not complete	35	580	Aoki et al. (1997), Huifu et al. (2002), Wang et al. (2003)
Korea	37	281	Choi (1997)
Spain	40	561	Perez-Inigo (1993, 1997) Subias and Arillo (2001, 2004)
Caucasus	43	748	Karppinen et al. (1987), Shtanchaeva (2001)
(former) Yugoslavia	44	451	Tarman (1983)
Italy	45	721	Bernini et al. (1995)
Romania	46	530	Vasiliu et al. (1993)
Slovenia	46	369	Tarman (1983)
Austria	47	568	Schatz (1983, unpubl.)
Switzerland	47	377	Schweizer (1956), Schatz unpubl.
Hungary	47	523	Mahunka and Mahunka-Papp (2004)
Ukraine	49	453	Karppinen et al. (1992)
Czechia	49	529	Stary (2000a, b, 2005)
Germany	51	520	Weigmann (2006)
Netherlands	52	163	van der Hammen (1952)
Poland	52	505	Olszanowsky et al. (1996)
England	53	303	Luxton (1996)
Denmark	56	238	Gjelstrup (1978a)
Lithuania	56	312	Eitminaviciute (2003)
Norway	62	244	Mehl (1979)
Sweden	62	263	Lundqvist (1987)
Finland	64	309	Niemi et al. (1997)
Antarctic*	90	27	Stary and Block (1998)

* The Antarctic region includes the continental Antarctic zone and the maritime Antarctic zone (=Antarctic Pensinsular and the surrounding island groups) but excludes the sub-Antarctic zone.

Appendix 2. Area, number of species and author(s) of the respective study as they were used for the species-area relationship for oribatid mites of the islands of the world.

islands	area	no. of species	published by
Cocos	14	13	Schatz (2006)
Bermuda	53	20	Schatz (2006)
St. Helena	122	48	Wallwork (1977)
Madeira	741	50	Willmann (1939)
Lesser Antilles	950	172	Schatz (2006)
Faroer	1395	26	Gjelstrup (1978b)
Azores	2355	148	Weigmann (1976), Morell and Subias (1991)
South Georgia	3900	31	Sary and Block (1995)
Cap Verde	4033	30	Mahunka (1987, 1991)
Canary	7447	245	Izquierdo et al. (2001)
Galapagos islands	7900	205	Schatz (1998)
Jamaica	10800	28	Schatz (2006)
Falkland	12173	32	Sary and Block (1996)
Hawai	16636	104	Swift (1998)
Svalbard	62049	67	Coulson and Refseth (2004)
Iceland	100000	154	Gjelstrup and Solhoy (1994)
Cuba	100900	225	Socarras and Palacios-Vargas (1999) Prieto Trueba and Schatz (2004)
England	229900	303	Luxton (1996)
New Zealand	270500	392	Luxton(1985)
Japan	377800	833	Fujikawa et al. (1993)
New Guinea	452860	193	Schatz (2004)
Madagascar	587040	315	Mahunka (2002) and others

Appendix 3. Area, number of species and author(s) of the respective study as they were used for the species-area relationship for oribatid mites of the mainlands of the world. (citations were only given when they were not already included in the reference list for the species-latitude curves; see above).

mainlands	area	no. of species	published by
Slovenia	20253	369	
Netherlands	33900	163	
Switzerland	41290	377	
Denmark	42400	238	
Costa Rica	50700	207	Schatz (2006)
Florida	54000	146	Marshall et al. (1987), Niedbala (2001)
Croatia	56610	135	Tarman (1983)
Lithuania	65200	312	
Panama	76000	322	Schatz (2006)
Czechia	77270	529	
Austria	82700	568	
Hungary	92000	523	
Korea	99392	281	
(former) Yugoslavia	102136	451	
Bulgaria	110900	320	Csiszar and Jeleva (1962), Kunst (1957, 1958, 1959, 1961)
former Czechoslovakia	128000	404	Kunst (1971)
Romania	230340	530	
Caucasus region	250000	748	
Italy	294000	721	
Poland	304500	505	
Finland	305500	309	
Norway	307900	244	
Germany	349200	520	
Sweden	410900	263	
Spain	499540	561	
Ukraine	603700	453	
Peru	1280000	411	
Mexico	1923000	551	
Australia	7618000	347	
Brazil	8456000	708	
China	9326000	580	
Canada/USA	19576000	1177	Marshall et al. (1987)
(former) Soviet Union	22272000	956	Ghilarov and Krivolutsky (1975)

Appendix 4. Reference list of the publications used for the species-latitude curve and for the species-area relationship.

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