Zootaxa 3700 (3): 301–347
www.mapress.com/zootaxa/

Article

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

http://dx.doi.org/10.11646/zootaxa.3700.3.1
http://zoobank.org/urn:lsid:zoobank.org:pub:72725A42-1F33-43E5-924D-DA3C66929734

Phytoseiidae (Acari: Mesostigmata) from natural ecosystems in the State of São Paulo, Brazil

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Table of cotents

Abstract 302
Introduction 303
Material and methods 303
Results and discussion 303
Subfamily Amblyseiinae Muma 303
Tribe Amblyseiini Muma 303
Genus *Amblyseius* Berlese 304
Amblyseius atlanticus n. sp. 304
Amblyseius chiapensis De Leon 306
Amblyseius compositus Denmark & Muma 306
Amblyseius euterpes Gondim Jr. & Moraes 307
Amblyseius impeltatus Denmark & Muma 307
Amblyseius largoensis (Muma) 307
Amblyseius operculatus De Leon 308
Amblyseius pravus Denmark 308
Amblyseius tamatavensis Blommers 309
Genus *Arrenoseius* Wainstein 309
Arrenoseius urquharti (Yoshida-Shaul & Chant) 310
Genus *Iphiseiodes* De Leon 310
Iphiseiodes zuluagai Denmark & Muma 310
Genus *Proprioseiopsis* Muma 311
Proprioseiopsis dominigos (El-Banhawy) 311
Proprioseiopsis mexicanus (Garman) 311
Proprioseiopsis neotropicus (Ehara) 312
Proprioseiospsis pariquerassuensis n. sp. 312
Proprioseiopsis pentagonalis (Moraes & Mesa) 314
Genus *Serraseius* n. g. 314
Serraseius caicara n. sp. 315
Tribe Euseiini Chant & McMurtry 316
Genus *Amblydromalus* Chant & McMurtry 316
Amblydromalus laetus (Chant & Baker) 317
Amblydromalus macroatrium n. sp. 317
Amblydromalus manihoti (Moraes) 319
Amblydromalus villacarmelensis (Moraes) 319
Genus *Euseius* Wainstein 320
Euseius alatus De Leon 320
Euseius citrifolius Denmark & Muma 320
Euseius concordis (Chant) 321
Euseius ho (De Leon) 321
Euseius aff. *inouei* 322
Euseius sibelius (De Leon) 322
Genus *Typhlodromalus* Muma 322

Accepted by B. Halliday: 30 Jul. 2013; published: 14 Aug. 2013

Typhlodromalus aripo De Leon 322
Typhlodromalus feresisimilis n. sp. 323
Typhlodromalus ingae n. sp. 325
Typhlodromalus peregrinus (Muma) 326
Tribe Kampimodromini Kolodochka 327
Genus *Neoparaphytoseius* Chant & McMurtry 327
Neoparaphytoseius sooretamus (El- Banhawy) 327
Genus *Paraphytoseius* Swirski & Shechter 327
Paraphytoseius santurcensis De Leon 327
Tribe Neoseiulini Chant & McMurtry 328
Genus *Neoseiulus* Hughes 328
Neoseiulus melinis Lofego & Moraes 328
Tribe Phytoseiulini Chant & McMurtry 328
Genus *Phytoseiulus* Evans 328
Phytoseiulus macropilis (Banks) 328
Tribe Typhlodromipsini Chant & McMurtry 328
Genus *Scapulaseius* Karg & Oomen-Kalsbeek 328
Scapulaseius linharis (El- Banhawy) 328
Genus *Typhlodromips* De Leon 329
Typhlodromips ariri Gondim Jr. & Moraes 329
Typhlodromips cananeiensis Gondim Jr. & Moraes 329
Typhlodromips corniformis n. sp. 330
Typhlodromips robustisetus n. sp. 331
Subfamily Phytoseiinae Berlese 333
Tribe Phytoseiini Berlese 333
Genus *Phytoseius* Ribaga 333
Phytoseius averrhoae De Leon 333
Phytoseius guianensis De Leon 333
Phytoseius kaapre Demite, Lofego & Feres 333
Phytoseius marumbus El-Banhawy 334
Phytoseius woodburyi De Leon 334
Subfamily Typhlodrominae Wainstein 334
Tribe Chanteiini Chant & Yoshida-Shaul 334
Genus *Cocoseius* Denmark & Andrews 335
Cocoseius paucisetis n. sp. 335
Tribe Galendromimini Chant & McMurtry 336
Genus *Breviseius* n. gen. 336
Breviseius sennae 337
Tribe Typhloseiopsini Chant & McMurtry 338
Genus *Leonseius* Chant & McMurtry 338
Leonseius regularis (De Leon) 338
Key to the phytoseiid species reported in this paper (females) 339
Acknowledgements 341
References 341

Abstract

This work describes the results of a study of the phytoseiid mites collected from plants in two natural ecosystems in the State of São Paulo, Brazil—Cerrado and Atlantic Forest. In this study, 40 phytoseiid species are reported. Measurements of different structures are given for species for which measurements for the respective São Paulo populations were not previously provided. This study also includes the description of two new genera, *Breviseius* **g. n.** and *Serraseius* g. n., and ten new species, *Amblydromalus macroatrium* **n. sp.**, *Amblyseius atlanticus* **n. sp.**, *Breviseius sennae* **n. sp.**, *Cocoseius paucisetis* **n. sp.**, *Proprioseiospsis pariquerassuensis* **n. sp.**, *Serraseius caicara* **n. sp.**, *Typhlodromalus ingae* **n. sp.**, *Typhlodromalus feresisimilis* **n. sp.**, *Typhlodromips corniformis* **n. sp.** and *Typhlodromips robustisetus* **n. sp.**.

Key words: taxonomy, Predatory mite, Cerrado, Atlantic Forest