



Zootaxa 2859: 1–62 (2011)  
www.mapress.com/zootaxa/

Copyright © 2011 · Magnolia Press

Monograph

ISSN 1175-5326 (print edition)

**ZOOTAXA**

ISSN 1175-5334 (online edition)

# ZOOTAXA

2859

## **An updated checklist of the scale insects (Hemiptera: Coccoidea) of the Margarodidae *sensu lato* group**

Y. BEN-DOV

*Department of Entomology, Agricultural Research Organization, The Volcani Center, P.O. Box 6, Bet Dagan, 50250, Israel.  
E-mail: yairbd@netvision.net.il*



Magnolia Press  
Auckland, New Zealand

*Accepted by C.J. Hodgson: 15 Jan. 2011; published: 29 Apr. 2011*

Y. BEN-DOV

**An updated checklist of the scale insects (Hemiptera: Coccoidea) of the Margarodidae *sensu lato* group**  
(*Zootaxa* 2859)

62 pp.; 30 cm.

29 Apr. 2011

ISBN 978-1-86977-717-3 (paperback)

ISBN 978-1-86977-718-0 (Online edition)

FIRST PUBLISHED IN 2011 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: [zootaxa@mapress.com](mailto:zootaxa@mapress.com)

<http://www.mapress.com/zootaxa/>

© 2011 Magnolia Press

All rights reserved.

No part of this publication may be reproduced, stored, transmitted or disseminated, in any form, or by any means, without prior written permission from the publisher, to whom all requests to reproduce copyright material should be directed in writing.

This authorization does not extend to any other kind of copying, by any means, in any form, and for any purpose other than private research use.

ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)

## Table of contents

Abstract	4
Introduction	4
<b>Callipappidae</b>	5
<i>Callipappus</i>	5
<i>Platycoelostoma</i>	6
<b>Coelostomidiidae</b>	6
<i>Coelostomidia</i>	6
<i>Cryptokermes</i>	7
<i>Mimosicerya</i>	7
<i>Neocoelostoma</i>	7
<i>Paracoelostoma</i>	7
<i>Ultracoelostoma</i>	8
<b>Kuwaniidae</b>	8
<i>Hoffeinsia</i>	8
<i>Kuwania</i>	8
<i>Neosteingelia</i>	9
<b>Marchalinidae</b>	9
<i>Marchalina</i>	9
<b>Margarodidae</b>	9
<i>Dimargarodes</i>	9
<i>Eumargarodes</i>	9
<i>Eurhizococcus</i>	9
<i>Heteromargarodes</i>	10
<i>Margarodes</i>	10
<i>Margarodesia</i>	12
<i>Neogreenia</i>	12
<i>Neomargarodes</i>	13
<i>Porphyrophora</i>	14
<i>Termitococcus</i>	18
<b>Matsucoccidae</b>	18
<i>Eomatsucoccus</i>	18
<i>Matsucoccus</i>	18
<b>Monophlebiidae</b>	21
<i>Afrodrosicha</i>	21
<i>Aspidoproctus</i>	21
<i>Auloicerya</i>	23
<i>Buchnericoccus</i>	23
<i>Corandesia</i>	23
<i>Crypticerya</i>	23
<i>Drosicha</i>	26
<i>Drosichoides</i>	28
<i>Echinicerya</i>	28
<i>Etropera</i>	28
<i>Gigantococcus</i>	29
<i>Gueriniella</i>	30
<i>Gullania</i>	31
<i>Hemaspidopectus</i>	31
<i>Icerya</i>	31
<i>Insulococcus</i>	37
<i>Labioproctus</i>	37
<i>Laurencella</i>	37
<i>Lecaniodrosicha</i>	37
<i>Llaveia</i>	37
<i>Llaveiella</i>	38
<i>Matesovia</i>	38
<i>Melaleucococcus</i>	38
<i>Misracoccus</i>	39
<i>Modicicoccus</i>	39
<i>Monophlebidus</i>	39
<i>Monophleboides</i>	39
<i>Monophlebulus</i>	40
<i>Monophlebus</i>	41

<i>Nautococcus</i> .....	41
<i>Neohodgsonius</i> .....	41
<i>Niemera</i> .....	42
<i>Nodulicoccus</i> .....	42
<i>Palaeococcus</i> .....	42
<i>Paramoandesia</i> .....	42
<i>Peengea</i> .....	42
<i>Perissopneumon</i> .....	42
<i>Proticerya</i> .....	43
<i>Protortonia</i> .....	43
<i>Pseudaspidopectus</i> .....	44
<i>Sishania</i> .....	44
<i>Steatococcus</i> .....	45
<i>Tessarobelus</i> .....	45
<i>Vrydagha</i> .....	45
<i>Walkeriana</i> .....	45
<b>Pityococcidae</b> .....	46
<i>Cancerococcus</i> .....	46
<i>Desmococcus</i> .....	46
<i>Pityococcus</i> .....	46
<b>Steingeliidae</b> .....	46
<i>Araucariococcus</i> .....	46
<i>Conifericoccus</i> .....	46
<i>Palaeosteingelia</i> .....	47
<i>Steingelia</i> .....	47
<i>Stomacoccus</i> .....	47
<b>Stigmatococcidae</b> .....	47
<i>Stigmatococcus</i> .....	47
<b>Xylococcidae</b> .....	48
<i>Jansenus</i> .....	48
<i>Xylococculus</i> .....	48
<i>Xylococcus</i> .....	48
<b>Nomina nuda</b> .....	49
References .....	50
Index to species and subspecies .....	59

## Abstract

This article is an update (closing-date December 2010) of the Margarodidae *sensu lato* catalogue (Ben-Dov, 2005a). The 457 species and subspecies placed among 73 genera of scale insects are classified in 11 families. The geographical distribution and host plants are given for each species and subspecies.

**Key words:** Callipappidae, Coelostomidiidae, Kuwaniidae, Marchalinidae, Margarodidae, Matsucoccidae, Monophlebidae, Pityococcidae, Steingeliidae, Stigmatococcidae, Xylococcidae, systematics

## Introduction

The scale insects (Hemiptera: Sternorrhyncha: Coccoidea) are a relatively small superfamily with nearly 8000 species. They are all plant parasites, and feed using their stylet-like mouthparts to suck plant sap. The adult females are wing-less and considered to be paedomorphic, whereas the adult males in most species are alate and develop through complete metamorphosis. The size of coccoids varies considerably from less than 1 mm to 35 mm, but the majority of species are small and they develop in cryptic sites. Therefore, they are hard to detect, which has resulted in their being transported widely around the world. Many species of scale insects are important pests of agriculture, horticulture and forestry. Scale insects are divided into two major informal groupings, the archaeococcoids and the neococcoids. The exact composition of these is still somewhat controversial but the Margarodidae *sensu lato* is a major group within the archaeococcoids. This paper outlines the classification within this group as presently accepted.