

# **Advances in the Systematics of Platygastroidea II**

*Edited by*  
**Elijah J. Talamas**



Sofia–Moscow  
2019

JOURNAL OF HYMENOPTERA RESEARCH 73 (SPECIAL ISSUE)

ADVANCES IN THE SYSTEMATICS OF PLATYGASTROIDEA II

*Edited by* Elijah J. Talamas

First published 2019

ISBN 978-954-642-985-8 (paperback)

Pensoft Publishers

12 Prof. Georgi Zlatarski Street, 1700 Sofia, Bulgaria

Fax: +359-2-870-42-82

[info@pensoft.net](mailto:info@pensoft.net)

[www.pensoft.net](http://www.pensoft.net)

Printed in Bulgaria, November 2019

## Contents

- 1      Introduction**  
*Elijah J. Talamas*
- 3      Proterosceliopsidae: A new family of Platygastroidea from Cretaceous amber**  
*Elijah J. Talamas, Norman F. Johnson, Chungkun Shih, Dong Ren*
- 39     Revision of the Afrotropical genus *Pulchrisolia* Szabó (Hymenoptera, Platygastriidae, Sceliotrachelinae)**  
*Zachary Lahey, Simon van Noort, Andrew Polaszek, Lubomír Masner, Norman F. Johnson*
- 73     Revision of *Aleyroctonus* Masner & Huggert (Hymenoptera, Platygastriidae, Sceliotrachelinae)**  
*Zachary Lahey, Lubomír Masner, Norman F. Johnson, Andrew Polaszek*
- 95     First report of *Telenomus remus* parasitizing *Spodoptera frugiperda* and its field parasitism in southern China**  
*Yong-Lin Liao, Bin Yang, Miao-Feng Xu, Wei Lin, De-Sen Wang, Ke-Wei Chen, Hua-Yan Chen*
- 103    *Paratelenomus anu* Rajmohana, Sachin & Talamas (Hymenoptera, Scelionidae): description and biology of a new species of phoretic egg parasitoid of *Megacopta cribraria* (Fab.) (Hemiptera, Plataspidae)**  
*Keloth Rajmohana, James P. Sachin, Elijah J. Talamas, Mukundan S. Shamysree, S. K. Jalali, Ojha Rakshit*
- 125    Field studies and molecular forensics identify a new association: *Idris elba* Talamas, sp. nov. parasitizes the eggs of *Bagrada hilaris* (Burmeister)**  
*J. Refugio Lomeli-Flores, Susana Eva Rodríguez-Rodríguez, Esteban Rodríguez-Levy, Héctor González-Hernández, Tara D. Gariepy, Elijah J. Talamas*
- 143    Scelionidae (Hymenoptera) parasitizing eggs of *Bagrada hilaris* (Hemiptera, Pentatomidae) in Mexico**  
*Moisés Felipe-Victoriano, Elijah J. Talamas, Sergio R. Sánchez-Peña*

- 153 A morphological, biological and molecular approach reveals four cryptic species of *Trissolcus* Ashmead (Hymenoptera, Scelionidae), egg parasitoids of Pentatomidae (Hemiptera)**  
*Francesco Tortorici, Elijah J. Talamas, Silvia T. Moraglio, Marco G. Pansa, Maryam Asadi-Farfar, Luciana Tavella, Virgilio Caleca*
- 201 Molecular phylogeny of *Trissolcus* wasps (Hymenoptera, Scelionidae) associated with *Halyomorpha halys* (Hemiptera, Pentatomidae)**  
*Elijah J. Talamas, Marie-Claude Bon, Kim A. Hoelmer, Matthew L. Buffington*