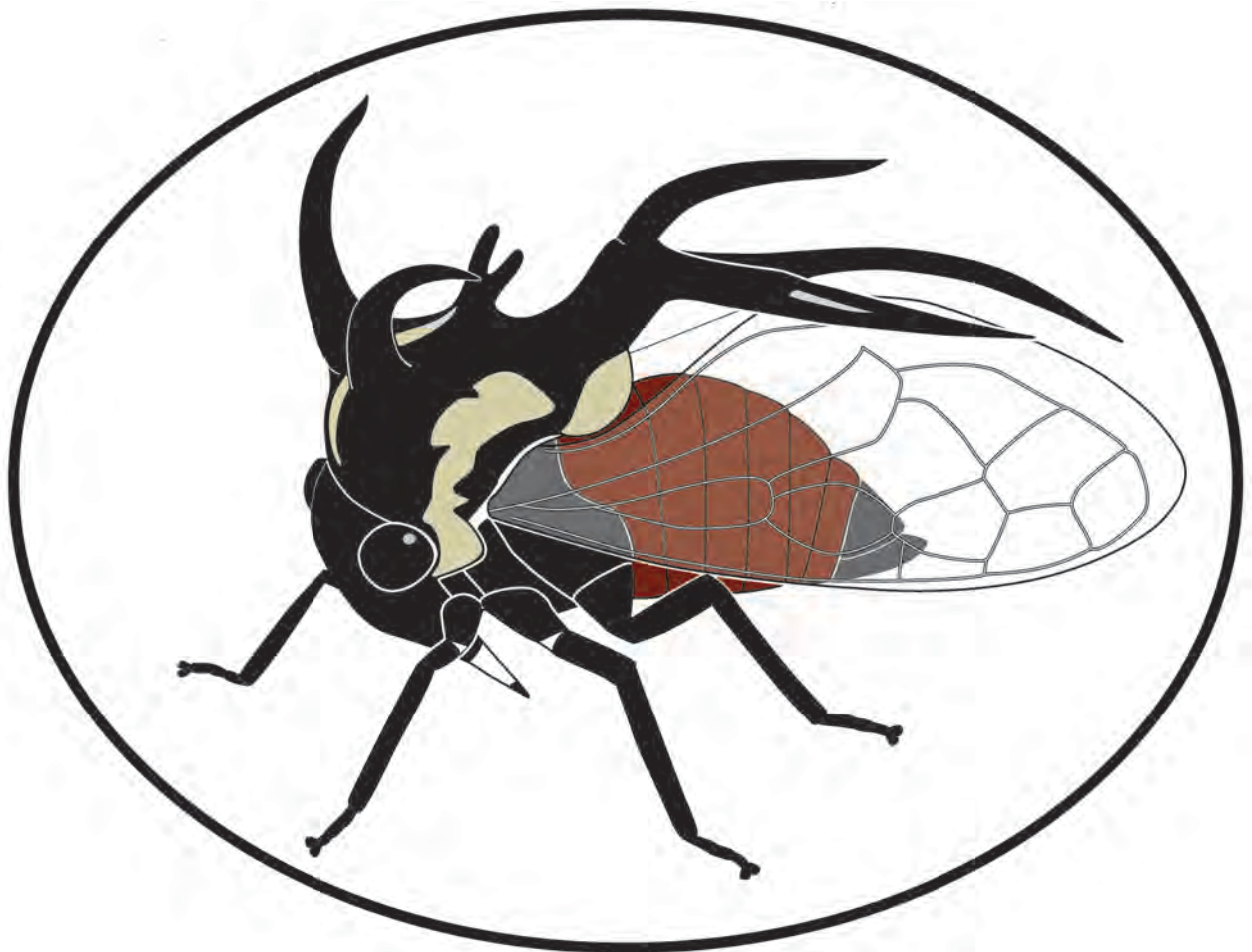


XV International Auchenorrhyncha Congress



2017

Brazil

PROGRAM AND ABSTRACTS BOOK



15th International Auchenorrhyncha Congress and 10th International Workshop on Leafhoppers and Planthoppers of Economic Importance

Foreword

On behalf of the Organizing and Scientific Committee, it is our pleasure to welcome you to the 15th International Auchenorrhyncha Congress (IAC) and the 10th International Workshop on Leafhoppers and Planthoppers of Economic Importance. The IAC is a triennial conference that congregates international experts on several biological disciplines focusing on auchenorrhynchous insects since 1973. Past IAC editions were held in China, France, Germany, United States, United Kingdom, Australia, Greece, Italy, Switzerland, Finland, and the Netherlands.

This year, the IAC will be held at *Centro Marista São José das Paineiras* in Mendes, Brazil, from July 9th to 15th 2017. Seventy confirmed delegates from 17 countries – Argentina, Australia, Brazil, Canada, China, Colombia, Czech Republic, France, Italy, Japan, Mexico, Pakistan, Poland, South Africa, Turkey, USA, and Vietnam – will be presenting their latest research on Auchenorrhyncha. The conference program includes 79 oral and poster presentations divided into four major themes: (1) Taxonomy, Phylogeny, and Biogeography; (2) Databases and regional inventories; (3) Ecology and Behavior; and (4) Vector interactions and resistance. We are also glad to inform that the Scientific Committee will award prizes to outstanding oral and poster student presentations.

The scientific program will be complemented with a visit to Itatiaia National Park, the oldest National Park in the country, established in 1937. This trip will offer participants the unique opportunity to experience the Brazilian Atlantic Rainforest. Itatiaia is a wonderful place to observe and learn about the diverse local wildlife, which encompasses several endemic species. The National Park is amongst the best studied areas in Brazil with regard to its biodiversity. So far, 22 species of medium and large-sized mammals, 51 reptiles, 260 birds, 145 species of spiders, 690 species of longhorn beetles, and 75 species of sharpshooter leafhoppers have been recorded for this region. The Park sector to be visited is renowned for its scenic landscapes covered in exuberant vegetation, as well as natural pools and waterfalls with designated areas for swimming.



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Additionally, in this edition of the IAC, the Scientific Committee will honor Dr. Albino Morimasa Sakakibara with a career achievement award for his lifetime contributions to the Brazilian Auchenorrhyncha. Dr. Sakakibara, who is now a retired faculty from the Universidade Federal do Paraná, has described over 140 treehopper species from Brazil, with significant impact to our knowledge of this group. On this auspicious occasion, we will present a Festschrift celebrating the distinguished Brazilian taxonomist featuring 23 original manuscripts in Membracidae, Cicadellidae, Cercopidae, Cicadidae, and Delphacidae. These contributions, which are being published as a special issue of *Zootaxa* (Evangelista, Takiya & Dietrich, eds.), include descriptions to six new genera and 50 new species, several of which are dedicated to Dr. Sakakibara.

This will be the first IAC ever held in South America, where the Auchenorrhyncha are extremely diverse and encompass several species of economic significance. We are positive that the IAC edition in Brazil will stimulate novel research on the Brazilian and Neotropical biodiversity, and foster fruitful international collaborations.

We hope you will enjoy this exciting event.

Yours sincerely,

Daniela M. Takiya

Chairwoman of the Organizing Committee

15th International Auchenorrhyncha Congress



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PROGRAM BOOK



15th International Auchenorrhyncha Congress and 10th International Workshop on Leafhoppers and Planthoppers of Economic Importance

Timetable

	9-July	10-July	11-July	12-July	13-July	14-July	15-July
7:30	Congress participant arrivals	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9:00		IAC opening and homage to Dr. Sakakibara	Oral session: Taxonomy, phylogeny, and biogeography	Visit to Itatiaia National Park	Oral session: Taxonomy, phylogeny, and biogeography	Oral session: Ecology and behavior	Congress participant departures
10:30		Coffee break	Coffee break		Coffee break	Coffee break	
11:00		Oral session: Taxonomy, phylogeny, and biogeography	Oral session: Taxonomy, phylogeny, and biogeography		Oral session: Student presentations	Oral session: Vector interactions and resistance	
11:30							
12:30		Lunch	Lunch		Lunch	Lunch	
13:00							
14:00		Lunch	Oral session: Taxonomy, phylogeny, and biogeography		Oral session: Taxonomy, phylogeny, and biogeography	Oral session: Student presentations	
15:30			Coffee break			Coffee break	
16:00	Congress participant arrivals	Coffee break Poster session: Taxonomy, phylogeny, and biogeography I	Poster session: Taxonomy, phylogeny, and biogeography II, Ecology and behavior, Databases and regional inventories, Vector interactions and resistance	Coffee break Poster session: Student presentations	Oral session: Databases and regional inventories		
17:30	Welcome cocktail				IAC closing remarks		
19:00		Dinner	Dinner	Dinner	Dinner	Farewell dinner	
20:30				IAS board meeting			



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MONDAY: July 10th

Poster session: Taxonomy, phylogeny, and biogeography I

- C.H. Dietrich** Transcriptome-based phylogenomics of Auchenorrhyncha (Hemiptera)
- C.H. Dietrich** Biogeographic history of grassland Auchenorrhyncha
- D.M. Takiya** The white-clothed *Diestostemma* Amyot & Serville: a taxonomic revision of the American sharpshooters of the *D. bituberculatum* complex (Hemiptera: Cicadellidae)
- I. Malenovský** Review of the Madagascan endemic genus *Paulianiana* (Cicadomorpha: Cicadellidae: Euacanthellinae)
- J. Szwedo** Amber full of surprises – Achilidae (Hemiptera: Fulgoromorpha) and related taxa from Cretaceous Burmese amber
- J.F. Barbosa** New species of *Hiatusorus* Nielson, 2015 (Cicadellidae: Coelidiinae: Coelidiini) from Thailand
- M. Felix** Species limits of the *Diedrocephala bimaculata* (Gmelin, 1789) species complex (Cicadellidae: Cicadellinae: Cicadellini)
- M. Huang** Studies of the chromosomes of seven species of Empoascini (Hemiptera: Cicadellidae: Typhlocybinae)
- M.I. Catalano** Revision of tribe Dikraneurini (Hemiptera: Cicadellidae) from the Neotropical Region
- O. Evangelista** Molecular-based phylogeny of the treehopper family Membracidae: towards a revised classification of higher-level taxa
- O. Evangelista** Cladistic analysis of *Cymbomorpha* Stål, 1866 (Membracidae: Darninae)
- S. Paradell** Neotropical Cicadellidae from Argentina. Description of the female of *Bythonia kalypso* (lassinae) and addition of morphological characters for the species of Neobalinae and Nioniinae present in Argentina
- T. Bourgoïn** A new interpretation of the venation of oldest Euhemiptera: *Aviorrhyncha magnifica* Nel, Bourgoïn, Engel et Szwedo, 2013 (Hemiptera, Aviorrhynchidae)
- X.Q. Yuan** Morphological characteristics of antennae and types of antennal sensilla of the treehoppers *Gargara genistae* (Fabricius) and *Tricentrus brunneus* Funkhouser (Hemiptera: Membracidae)



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ABSTRACTS BOOK

Edited by G. Mejdalani & M. Felix



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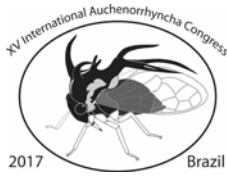
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biogeography**



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Revision of tribe Dikraneurini (Hemiptera: Cicadellidae) from the Neotropical Region

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The typhlocybinae microleafhopper tribe Dikraneurini McAtee, 1926 has 68 described genera and is distributed worldwide. In South America, the tribe is highly diverse but almost entirely undescribed because many genera and species appear to be largely restricted to the tropical rainforest canopy (Dietrich 2013). Specimens were collected by canopy fogging (Lucky *et al.* 2002) in Ecuador and by Malaise trapping in Bolivia, Peru and Argentina. Until now, 116 morphospecies were identified, the vast majority undescribed, with many representing undescribed genera. The species are described and illustrations are provided to aid in their identification. Morphological characters were recorded according to the nomenclature of Young (1952), Shcherbakov (1981, 1982), Rakitov (1998) and Dietrich (2005). 120 morphological characters were selected with their respective states to complete a database of 60 of the previously studied species and the new species, using program 3I (Dmitriev 2003). Geographic distribution data and images of habitus and genitalia were also incorporated. New species are described in the genera *Buritia* (2), *Donidea* (5), *Neodikrella* (2), *Sarascarta* (1), *Alconeura* (8), *Dikrellidia* (10), and *Idona* (1).

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