

## Editorial

### Fifth International Tenebrionoidea Symposium

Luboš Purchart<sup>1,\*</sup>, Marcin J. Kamiński<sup>2,3</sup>, Aaron D. Smith<sup>3</sup>, Patrice Bouchard<sup>4</sup>

**1** Mendel University in Brno, Department of Forest Ecology, Zemědělská 3, CZ-613 00 Brno, Czech Republic; **2** Museum and Institute of Zoology, Polish Academy of Sciences, Wilcza 64, 00-679 Warsaw, Poland; **3** Northern Arizona University, Department of Biological Sciences, 617 S. Beaver St., Flagstaff, AZ 86011-5640, USA; **4** Canadian National Collection of Insects, Arachnid and Nematodes Agriculture and Agri-Food Canada 960 Carling Avenue, Ottawa, Ontario, K1A 0C6, Canada; *\*Corresponding author* Luboš Purchart e-mail: lubos.purchart@post.cz.



#### Welcome to Prague

In 2002 Dr. Martin Baehr, the former curator of the Zoologisches Staatssammlung in München (Germany), organised an International Tenebrionid Symposium to honor Dr. Hans J. Bremer's work on Tenebrionidae and unknowingly laid the foundation for future, more or less, regular formal meetings to share the knowledge and enthusiasm of Tenebrionoidea workers. Subsequent meetings were then held in Lyon (France, 2005), Tempe, AZ (USA, 2013), and Mendoza (Argentina, 2015). For more information about those meetings see Smith *et al.* (2014) and Flores *et al.* (2016).

To preserve the tradition and support tenebrionid researchers from around the World, the 5<sup>th</sup> International Tenebrionoidea Symposium was organised in Prague (Czech Republic) by Luboš Purchart. The two-day meeting took place on March 5<sup>th</sup> and 6<sup>th</sup> 2018. The excellent geographic position of Prague strongly encouraged tenebrionid specialists to come (Figs 1–4). As a result, 42 participants from 16 countries attended, making it the largest and most nationality diverse meeting so far (List of attendants, p. ii).

Although the symposium formally started on Monday (March 5<sup>th</sup>), many of the participants had already gathered on the preceding Friday evening (March 2<sup>nd</sup>) for an informal meeting with the other entomologists who came to participate in some co-occurring events; as the symposium dates were selected to follow up on the International Meeting of Entomologists, which was associated with the Traditional Insect Exchange Days (March 3<sup>rd</sup> and 4<sup>th</sup>) – the largest such even in Central Europe.

At the symposium, seventeen 20-minute talks and eighteen posters were presented (see Titles of the talks and posters, pp. ii–vi). These were grouped into three thematic sections focused on: the subfamily Pimeliinae in all aspects (1<sup>st</sup> section), biogeography, evolution and phylogeny of Tenebrionidae (2<sup>nd</sup> section), and various topics that were not included in previous two sections (3<sup>rd</sup> section).

After the symposium, on Wednesday and Thursday (March 7<sup>th</sup> and 8<sup>th</sup>), many of the participants visited the entomological collections of the Entomological department of the National Museum in Prague where they were kindly hosted by Dr. Lukáš Sekerka and Dr. Jiří Hájek (Fig. 5). The main interest was focused on the general tenebrionid collection, especially on the diverse material gathered by the late René Fouquè – a great specialist in Stenosini (Sekerka 2017).

During the symposium, Marcin Kamiński contacted Prof. Dariusz Iwan, editor-in-chief of the *Annales Zoologici*, who kindly agreed to publish an issue of the journal based on the contributions of symposium attendees – similar to the Proceedings of the Fourth Tenebrionoidea Symposium published in 2016 (see *Annales Zoologici* vol. 66 no. 4).

At the end of the meeting, participants discussed the place of the next Tenebrionoidea symposium. Aaron D. Smith suggested the Gobabeb Training and Research Centre in Namibia, while Maxwell V.L. Barclay invited the participants to London.

## Acknowledgements

We would like to express our gratitude to all of the attendees. We also thank all of our colleagues who helped in reviewing papers for this issue of *Annales Zoologici*. We are grateful to Dr. Jiří Hájek and Dr. Lukáš Sekerka, who kindly hosted symposium participants in the entomological collections of the Natural History Museum in Prague. Last but not least we also thank the employees of the Department of Forest Ecology, Mendel University in Brno – Kateřina Uherková and Martin Dul'a, who helped with the organisation of the symposium.

## References

- Flores, E. G., Scollo, A. N., Silnik, S. J. L., Aballay, F. H., Cheli, G. H. and R. Carrara. 2016. Fourth International Tenebrionoidea Symposium. *Annales Zoologici*, 66(4): 495–498.
- Sekerka, L. 2017. In memoriam Ing. René Fouquè. *Acta Entomologica Musei Nationalis Pragae*, 57(2): 309–312.
- Smith, A. D., Aalbu, R. L. and P. Bouchard. 2014. Editorial: Third International Tenebrionoidea Symposium. *In*: Bouchard, P. and A. D. Smith (Eds). *Proceedings of the Third International Tenebrionoidea Symposium, Arizona, USA, 2013*. *ZooKeys*, 415: 1–8.

### List of attendants of the Fifth International Tenebrionoidea Symposium

Aalbu, Rolf L. ( <i>USA</i> )	Liu, Changhai ( <i>P. R. China</i> )
Aloquio, Sergio ( <i>Brasil</i> )	Masumoto, Kimio ( <i>Japan</i> )
Ando, Kiyoshi ( <i>Japan</i> )	Merkel, Ottó ( <i>Hungary</i> )
Barclay, Maxwell V. L. ( <i>United Kingdom</i> )	Nabozhenko, Maxim ( <i>Russia</i> )
Bečvář, Stanislav ( <i>Czech Republic</i> )	Novák, Vladimír ( <i>Czech Republic</i> )
Bouchard, Patrice ( <i>Canada</i> )	Purchart, Luboš ( <i>Czech Republic</i> )
Campbell, Milton ( <i>Canada</i> )	Ruzzier, Enrico ( <i>Italy</i> )
Chigray, Ivan ( <i>Russia</i> )	Růžička, Jan ( <i>Czech Republic</i> )
Chigray, Svetlana ( <i>Russia</i> )	Schawaller, Wolfgang ( <i>Germany</i> )
Condamine, Fabien L. ( <i>France</i> )	Sekerka, Lukáš ( <i>Czech Republic</i> )
Flores, Gustavo E. ( <i>Argentina</i> )	Sendogan, Dirim ( <i>Turkey</i> )
Geiser, Michael ( <i>United Kingdom</i> )	Smith, Aaron Dennis ( <i>USA</i> )
Grimm, Roland ( <i>Germany</i> )	Soldati, Fabien ( <i>France</i> )
Kamiński, Marcin Jan ( <i>USA, Poland</i> )	Soldati, Laurent ( <i>France</i> )
Kanda, Kojun ( <i>USA</i> )	Steiner, Jr. Warren E. ( <i>USA</i> )
Kergoat, Gael J. ( <i>France</i> )	Swearingen, Jil ( <i>USA</i> )
Keskin, Bekir ( <i>Turkey</i> )	Tichý, Vladimír ( <i>Czech Republic</i> )
Keskin, Nursen Alpagut ( <i>Turkey</i> )	Wirth, Christopher C. ( <i>USA</i> )
Kirdök, Melis G. ( <i>Turkey</i> )	Yuan, Caixia ( <i>P. R. China</i> )
Labrique, Harold ( <i>France</i> )	Zhao, Guilling ( <i>P. R. China</i> )
Lillig, Martin ( <i>Germany</i> )	Zúñiga-Reinoso, Alvaro ( <i>Germany, Chile</i> )

### Titles of the talks and posters presented at the Fifth International Tenebrionoidea Symposium

Full programme with abstracts is now available at:  
<https://lubospurchart.webnode.cz/a5th-international-tenebrionoidea-symposium/>

### Talks

#### Assessing the current status of the Edrotini

Rolf L. Aalbu<sup>1</sup>, Christopher C. Wirth<sup>2</sup>

<sup>1</sup> *Department of Entomology, California Academy of Sciences, San Francisco, USA*

<sup>2</sup> *Northern Arizona University, Flagstaff, USA*

**Brazilian Tenebrionidae: what is known and what are the future perspectives**

Sergio Aloquio

*Departamento de Biologia Geral, Universidade Federal de Viçosa, Viçosa, Brasil***The Tenebrionidae Collection of the Natural History Museum**

Maxwell V. L. Barclay

*Department of Life Sciences, Natural History Museum, London, United Kingdom***Contribution to the knowledge of the darkling beetle subfamily Phrenapatinae (Coleoptera: Tenebrionidae): checklist of the world fauna and description of pupae**

Patrice Bouchard

*Canadian National Collection of Insects, Arachnids and Nematodes, Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada***Evolution of endemism and drivers of island diversification for multiple colonizations and replicated radiations of beetles on an ancient oceanic island**Fabien L. Condamine<sup>1,2</sup>, Laurent Soldati<sup>1</sup>, Anne-Laure Clamens<sup>1</sup>, Roula Jabbour-Zahab<sup>1,3</sup>, Hervé Jourdan<sup>4</sup>,Gael J. Kergoat<sup>1</sup><sup>1</sup> *CNRS, Institut des Sciences de l'Evolution (Université de Montpellier), Montpellier, France*<sup>2</sup> *INRA, Centre de Biologie pour la Gestion des Populations (INRA / IRD / CIRAD / Montpellier SupAgro), Montferrier-sur-Lez, France*<sup>3</sup> *CNRS, CEFE (CNRS, Université de Montpellier), Montpellier, France*<sup>4</sup> *IRD, IMBE (INEE, Centre IRD de Nouméa), Nouméa, Nouvelle-Calédonie***Revision of the Neotropical subgenus *Mesopraocis* Flores & Pizarro-Araya of the genus *Praocis* Eschscholtz (Pimeliinae: Praociini)**Gustavo E. Flores<sup>1</sup>, Jaime Pizarro-Araya<sup>2,3</sup><sup>1</sup> *Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (CCT CONICET Mendoza) Mendoza, Argentina*<sup>2</sup> *Laboratorio de Entomología Ecológica, Departamento de Biología, Facultad de Ciencias, Universidad de La Serena, La Serena, Chile*<sup>3</sup> *Instituto de Investigación Multidisciplinar en Ciencia y Tecnología, Universidad de La Serena, La Serena, Chile****Ex Africa semper aliquid novi*: biogeography of the tribe Dendarini (Tenebrionidae)**Marcin J. Kamiński<sup>1</sup>, Dariusz Iwan<sup>1</sup>, Kojun Kanda<sup>2</sup>, Aaron D. Smith<sup>2</sup><sup>1</sup> *Museum and Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*<sup>2</sup> *Northern Arizona University, Department of Biological Sciences, Flagstaff, USA***Taxonomic studies of New World Laenini (Tenebrionidae: Lagriinae)**Kojun Kanda<sup>1</sup>, M. Andrew Johnston<sup>2</sup><sup>1</sup> *Northern Arizona University, Department of Biological Sciences, Flagstaff, USA*<sup>2</sup> *Biodiversity Knowledge Integration Center Arizona State University***Is *Turkonalassus* Keskin, Nabozhenko et Keskin, 2017 (Tenebrionidae, Helopini) a new genus? A molecular insight!**Bekir Keskin<sup>1</sup>, Dirim Sendoğan<sup>1</sup>, Maxim Nabozhenko<sup>2,3</sup>, Nursen Alpagut Keskin<sup>1</sup><sup>1</sup> *Ege University, Faculty of Science, Biology Department, Izmir, Turkey*<sup>2</sup> *Caspian Institute of Biological Resources of Dagestan Scientific Centre of Russian Academy of Sciences, Makhachkala, Russia*<sup>3</sup> *Dagestan State University, Makhachkala, Russia***Karyological variations in Tenebrionidae**Nursen Alpagut Keskin<sup>1</sup>, Dirim Sendoğan<sup>1</sup>, Utku Cal san<sup>1</sup>, Cosku Ögren<sup>1</sup>, Bekir<sup>1</sup> Keskin, Maxim V. Nabozhenko<sup>2,3</sup><sup>1</sup> *Ege University, Faculty of Science, Biology Department, Izmir, Turkey*<sup>2</sup> *Caspian Institute of Biological Resources of Dagestan Scientific Centre of Russian Academy of Sciences, Makhachkala, Russia*<sup>3</sup> *Dagestan State University, Makhachkala, Russia***The tenebrionid beetles in the Musée des confluences collections**

Harold Labrique

*Musée des Confluences, Lyon, France*

**Revision of the Edrotini (Tenebrionidae: Pimeliinae) of Peru**Alfredo E. Giraldo Mendoza<sup>1</sup>, Gustavo E. Flores<sup>2</sup><sup>1</sup> *Universidad Nacional Agraria La Molina, Museo de Entomología Klaus Raven Büller, Lima, Perú*<sup>2</sup> *CONICET, Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA, CCT CONICET Mendoza), Mendoza, Argentina***„Ultra”-psammophilous Tenebrionidae in the deserts of the Old World**

Wolfgang Schawaller

*Natural History Museum, Stuttgart, Germany***Biodiversity and phylogeny of Pimeliinae: preliminary findings and next steps**Aaron D. Smith<sup>1</sup>, Kojun Kanda<sup>1</sup>, Marcin J. Kamiński<sup>2</sup>, Patrice Bouchard<sup>3</sup>, Gustavo E. Flores<sup>4</sup>, Gael J. Kergoat<sup>5</sup>, Fabien L. Condamine<sup>6,7</sup>, Rolf L. Aalbu<sup>8</sup>, A. Lamb<sup>1</sup>, Luboš Purchart<sup>9</sup><sup>1</sup> *Northern Arizona University, Department of Biological Sciences, Flagstaff, USA*<sup>2</sup> *Museum and Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*<sup>3</sup> *Canadian National Collection of Insects, Arachnids and Nematodes, Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada*<sup>4</sup> *Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (CCT CONICET Mendoza) Mendoza, Argentina*<sup>5</sup> *CNRS, CEFE (CNRS, Université de Montpellier), Montpellier, France*<sup>6</sup> *CNRS, Institut des Sciences de l'Évolution (Université de Montpellier), Montpellier, France*<sup>7</sup> *INRA, Centre de Biologie pour la Gestion des Populations (INRA / IRD / CIRAD / Montpellier SupAgro), Montferrier-sur-Lez, France*<sup>8</sup> *Department of Entomology, California Academy of Sciences, San Francisco, USA*<sup>9</sup> *Mendel University in Brno, Department of Forest Ecology, Brno, Czech Republic***Descriptions of the larva, pupa, habitats and life history of the North American darkling beetle *Idiobates castaneus* (Knoch) (Coleoptera: Tenebrionidae; Tenebrionini)**

Warren E. Steiner, Jr.

*Department of Entomology, Smithsonian Institution, Washington, USA***Towards a revision of the genus *Edrotes***

Christopher C. Wirth

*Northern Arizona University, Flagstaff, USA***Preliminary studies about the genetics and phylogenetics patterns of the darkling beetles (Coleoptera, Tenebrionidae) from Atacama Desert**Alvaro Zúñiga-Reinoso<sup>1</sup>, Lapo Regioneri<sup>1</sup>, Marcel Bläser<sup>1</sup>, Julia Oly<sup>1</sup>, Gustavo Flores<sup>2</sup>, Reinhard Predel<sup>1</sup><sup>1</sup> *Zoological Institute, University of Cologne, Cologne, Germany*<sup>2</sup> *CONICET, Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA, CCT CONICET Mendoza), Mendoza, Argentina***Posters****Tenebrionidae (Coleoptera) of forensic importance in Mendoza and Catamarca, Argentina: Their relationship to decomposition stages as complementary PMI indicators**Fernando H. Aballay<sup>1,3</sup>, Fernando N. Jofré<sup>1</sup>, Gustavo E. Flores<sup>1</sup>, Néstor D. Centeno<sup>2</sup><sup>1</sup> *CONICET, Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA, CCT CONICET Mendoza), Mendoza, Argentina*<sup>2</sup> *Laboratorio de Entomología Aplicada y Forense, Departamento de Ciencia y Técnica, Universidad Nacional de Quilmes, Buenos Aires, Argentina*<sup>3</sup> *Departamento de Biología, Facultad de Ciencias Exactas Físicas y Naturales, Universidad Nacional de San Juan, San Juan, Argentina***A new species of *Discopleurus* (Coleoptera: Tenebrionidae: Pimeliinae), the first Stenosini from Brazil**Sergio Aloquio<sup>1</sup>, Gustavo E. Flores<sup>2</sup>, Cristiano Lopes-Andrade<sup>3</sup><sup>1</sup> *Departamento de Biologia Geral, Universidade Federal de Viçosa, Viçosa, Brasil*<sup>2</sup> *CONICET, Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA, CCT CONICET Mendoza), Mendoza, Argentina*<sup>3</sup> *Laboratório de Sistemática e Biologia de Coleoptera, Departamento de Biologia Animal, Universidade Federal de Viçosa, Viçosa, Brasil*

**New data on the behavior and morphology of species of the Neotropical genus *Nilio* (Coleoptera: Tenebrionidae: Nilioninae)**Sergio Aloquio<sup>1</sup>, Cristiano Lopes-Andrade<sup>2</sup><sup>1</sup> Departamento de Biologia Geral, Universidade Federal de Viçosa, Viçosa, Brasil<sup>2</sup> Laboratório de Sistemática e Biologia de Coleoptera, Departamento de Biologia Animal, Universidade Federal de Viçosa, Viçosa, Brasil**Synopsis of the American *Neomida* (Coleoptera: Tenebrionidae: Diaperini)**Sergio Aloquio<sup>1</sup>, Cristiano Lopes-Andrade<sup>2</sup><sup>1</sup> Departamento de Biologia Geral, Universidade Federal de Viçosa, Viçosa, Brasil<sup>2</sup> Laboratório de Sistemática e Biologia de Coleoptera, Departamento de Biologia Animal, Universidade Federal de Viçosa, Viçosa, Brasil**Cytogenetics of *Turkonalassus quercanus* (Tenebrionidae, Helopini)**

Utku Çalişan, Nurşen Alpagut Keskin

Ege University, Faculty of Science, Biology Department, Izmir, Turkey

**Species diversity of Tenebrionidae in mountaintops of extraandean volcanoes of Payunia (Argentina), with descriptions of two new species**Rodolfo Carrara<sup>1</sup>, Violeta A. Silvestro<sup>2</sup>, Germán H. Cheli<sup>3</sup>, Sergio Roig-Juñent<sup>1</sup>, Gustavo E. Flores<sup>1</sup><sup>1</sup> Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA), Centro Científico Tecnológico CONICET Mendoza, Mendoza, Argentina<sup>2</sup> Laboratorio de Entomología, Instituto de Biodiversidad y Biología Experimental, IBBEA, CONICET-UBA, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina<sup>3</sup> Instituto Patagónico para el Estudio de los Ecosistemas Continentales (IPEEC), Centro Científico Tecnológico CENPAT-CONICET, Puerto Madryn, Chubut, Argentina**The role of tenebrionid beetles on litter fragmentation processes and soil biogeochemical cycles in arid Patagonia**Cheli Germán Horacio<sup>1</sup>, Bosco T.<sup>1</sup>, Saraví H.<sup>1</sup>, Carrera A.<sup>1</sup>, Martínez Fernando<sup>1</sup>, Flores Gustavo Ernesto<sup>2</sup><sup>1</sup> Instituto Patagónico para el Estudio de los Ecosistemas Continentales (IPEEC), Centro Científico Tecnológico CENPAT-CONICET, Puerto Madryn, Chubut, Argentina<sup>2</sup> Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA), Centro Científico Tecnológico CONICET Mendoza, Mendoza, Argentina**Spatial distribution of tenebrionid beetles in relation to environmental variability in Península Valdés, Patagonia**Cheli Germán Horacio<sup>1</sup>, Carrara Rodolfo<sup>2</sup>, Bandieri Lucas<sup>1</sup>, Martínez Fernando<sup>1</sup>, Flores Gustavo Ernesto<sup>2</sup><sup>1</sup> Instituto Patagónico para el Estudio de los Ecosistemas Continentales (IPEEC), Centro Científico Tecnológico CENPAT-CONICET, Puerto Madryn, Chubut, Argentina<sup>2</sup> Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA), Centro Científico Tecnológico CONICET Mendoza, Mendoza, Argentina**Taxonomic significance of the ovipositor and female genital tubes in the genus *Blaps* Fabricius, 1775 (Coleoptera: Tenebrionidae) from the Caucasus**Ivan Chigray<sup>1</sup>, Maxim Nabozhenko<sup>2,3</sup>, Gayirbeg Abdurakhmanov<sup>3</sup><sup>1</sup> Southern Federal University, Rostov-on-Don, Russia<sup>2</sup> Caspian Institute of Biological Resources of Dagestan Scientific Centre of Russian Academy of Sciences, Makhachkala, Russia<sup>3</sup> Dagestan State University, Makhachkala, Russia**Revision of the genus *Calyptopsis* Solier, 1835 (Coleoptera: Tenebrionidae: Tentyriini): problems and progress in the taxonomy**

Svetlana Chigray

Southern Federal University, Rostov-on-Don, Russia



## **A molecular phylogeny of Pedinini (Coleoptera: Tenebrionidae) and its implications for higher-level classification**

Marcin Jan Kamiński<sup>1</sup>, Kojun Kanda<sup>2</sup>, Ryan Lumen<sup>2</sup>, Aaron D. Smith<sup>2</sup>, Dariusz Iwan<sup>1</sup>

<sup>1</sup> *Museum and Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*

<sup>2</sup> *Northern Arizona University, Department of Biological Sciences, Flagstaff, USA*

## **Phylogeography of *Odocnemis aegaeica* Nabozhenko et Keskin, 2016 species group**

Bekir Keskin<sup>1</sup>, Maxim Nabozhenko<sup>2,3</sup>, Nursen Alpagut Keskin<sup>1</sup>, Anna Papadopoulou<sup>4</sup>

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<sup>3</sup> *Dagestan State University, Makhachkala, Russia*

<sup>4</sup> *University of Cyprus, Department of Biological Sciences, Nicosia, Cyprus*

## **Biotic and abiotic factors that influence the biodiversity patterns of Tenebrionidae in the Puna and High Andes of the province of Salta, Argentina**

Hilda B. Macagno<sup>1</sup>, Ivanna G. Cruz<sup>1</sup>, Sandra M. Rodríguez-Artigas<sup>3</sup>, Jose A. Corronca<sup>1</sup>, Gustavo E. Flores<sup>2</sup>

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## **New species of *Schizaraeus* Kulzer from Peru (Pimeliinae: Stenosini)**

Alfredo E. Giraldo Mendoza<sup>1</sup>, Gustavo E. Flores<sup>2</sup>

<sup>1</sup> *Universidad Nacional Agraria La Molina, Museo de Entomología Klaus Raven Büller, Lima, Perú*

<sup>2</sup> *CONICET, Laboratorio de Entomología, Instituto Argentino de Investigaciones de las Zonas Áridas (IADIZA), CCT CONICET Mendoza, Mendoza, Argentina*

## **Female genital tubes in the tribe Helopini: structure and taxonomic significance**

Maxim Nabozhenko<sup>1,2</sup>

<sup>1</sup> *Caspian Institute of Biological Resources of Dagestan Scientific Centre of Russian Academy of Sciences, Makhachkala, Russia*

<sup>2</sup> *Dagestan State University, Makhachkala, Russia*

## **Cytogenetics of *Helops glabriventris* (Tenebrionidae: Helopini)**

Cosku Ögren, Nursen Alpagut Keskin

*Ege University, Faculty of Science, Biology Department, Izmir, Turkey*

## **Revision of the genus *Diastoleus* Solier, 1838 (Tenebrioninae: Scotobiini)**

Violeta A. Silvestro

*Laboratorio de Entomología, Instituto de Biodiversidad y Biología Experimental y Aplicada (IBBEA), CONICET-UBA. Ciudad Autónoma de Buenos Aires, Argentina*

## **Taxonomy of the genus *Strongylium* from Tibet, with the description of two new species (Coleoptera: Tenebrionidae)**

Caixia Yuan<sup>1</sup>, Guodong Ren<sup>2</sup>

<sup>1</sup> *Yan'an University, Yan'an, China*

<sup>2</sup> *Hebei University, College of Life Sciences, Baoding, China*



**Figure 1.** Group photo. Sitting, from the left to right: Luboš Purchart, Kojun Kanda, Sergio Aloquio, Gustavo E. Flores, Marcin J. Kamiński, Kimio Masumoto, Jil Swearingen, Warren Steiner, Changhai Liu, Cheng-Bin Wang, Lukáš Sekerka, Michael Geiser, Jan Růžička; standing, from left to right: Christopher Wirth, Gael J. Kergoat, Aaron D. Smith, Fabien Condamine, Jordan Rainey, Roland Grimm, Svetlana Chigray, Martin Lillig, Kiyoshi Ando, Alvaro Zúñiga-Reinoso, Milton Campbell, Rolf Aalbu, Ivan Chigray, Enrico Ruzzier, Wolfgang Schawaller, Harold Labrique, Fabien Soldati, Vladimír Tichý, Bekir Keskin, Maxim Nabozhenko, Nursen A. Keskin, Stanislav Bečvář, Ottó Merkl, Melis G. Kirdök, Dirim Sendogan, Caixia Yuan, Maxwell V.L. Barclay, Guilling Zhao, Vladimír Novák, Laurent Soldati, Patrice Bouchard.



**Figure 2.** The first talk. First row, from the wall: Marcin J. Kamiński, Roland Grimm, Vladimír Tichý, Harold Labrique, Milton Campbell, Rolf Aalbu, Chris C. Volansky-Wirth; second row, from the wall: Alvaro Zúñiga-Reinoso, Gustavo E. Flores, Enrico Ruzzier, Bekir Keskin, Nursen A. Keskin, Dirim Sendogan, Melis G. Kirdök; third row, from the wall: Aaron D. Smith, Patrice Bouchard, Kiyoshi Ando, Wolfgang Schawaller, Ottó Merkl, Kimio Masumoto, Jil Swearingen, Warren Steiner; fourth row, from the wall: Martin Lillig, Stanislav Bečvář, Jan Růžička, Cheng-Bin Wang, Caixia Yuan, Michael Geiser, Jordan Rainey; fifth row, from the wall: Fabien Soldati, Laurent Soldati, Fabien Condamine, Gael J. Kergoat, Vladimír Novák, Changhai Liu (photo by Luboš Purchart).





**Figure 3.** Sergio Aloquio and Wolfgang Schawaller during a poster session (photo by Christopher Wirth).



**Figure 4.** Enrico Ruzzier and Kojun Kanda exchanging specimens (photo by Christopher Wirth).



**Figure 5.** Ottó Merkl at the entomological collection of the Natural History Museum in Prague (photo by Christopher Wirth).