

# Arachnologische Mitteilungen



**25TH ECA**  
EUROPEAN CONGRESS  
OF ARACHNOLOGY

E  
U  
Arachnology 2009

O  
p  
e  
a  
n  
16. 8. – 21. 8. 2009, Alexandroupoli, Greece  
[www.european-arachnology.org](http://www.european-arachnology.org)

**Volume 40**

ISSN 1018 -4171

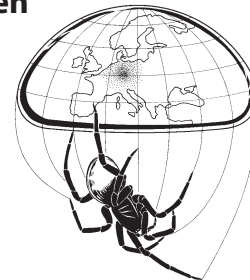
**Nuremberg, January 2011**

[www.AraGes.de/aramit](http://www.AraGes.de/aramit)

**Herausgeber:**

Arachnologische Gesellschaft e.V.  
URL: <http://www.AraGes.de>

# Arachnologische Mitteilungen

**Schriftleitung:**

Theo Blick, Forschungsinstitut Senckenberg,  
Entomologie III, Projekt Hessische Naturwaldreservate, Senckenberganlage 25,  
D-60325 Frankfurt/M., E-Mail: [theo.blick@senckenberg.de](mailto:theo.blick@senckenberg.de), [aramit@theoblick.de](mailto:aramit@theoblick.de)

Dr. Oliver-David Finch, Carl-von-Ossietzky Universität Oldenburg,  
Fk 5, Institut für Biologie und Umweltwissenschaften, AG Biodiversität und  
Evolution der Tiere, D-26111 Oldenburg, E-Mail: [oliver.d.finch@uni-oldenburg.de](mailto:oliver.d.finch@uni-oldenburg.de)

**Guest Editor:**

Dr. Maria Chatzaki, Lecturer, Dpt. of Molecular Biology and Genetics, Democritus  
University of Thrace, University Campus, 6th km Alexandroupoli-Komotini, Dragana, 68100 Alexandroupoli,  
Greece. Tel./Fax: +30-25510-30636, E-Mail: [mchatzak@mbg.duth.gr](mailto:mchatzak@mbg.duth.gr) or: [maria.chatzaki@gmail.com](mailto:maria.chatzaki@gmail.com)

**Redaktion:**

Theo Blick, Frankfurt/M.                      Dr. Oliver-David Finch, Oldenburg  
Dr. Jason Dunlop, Berlin                      Dr. Ambros Hänggi, Basel  
Dr. Detlev Cordes, Nürnberg (Layout, E-Mail: [bud.cordes@t-online.de](mailto:bud.cordes@t-online.de))

**Wissenschaftlicher Beirat:**

Dr. Elisabeth Bauchhenß, Schweinfurt (D)	Dr. Volker Mahnert, Douvaine (F)
Dr. Peter Bliss, Halle (D)	Prof. Dr. Jochen Martens, Mainz (D)
Prof. Dr. Jan Buchar, Prag (CZ)	Dr. Dieter Martin, Waren (D)
Prof. Peter J. van Helsdingen, Leiden (NL)	Dr. Uwe Riecken, Bonn (D)
Dr. Peter Jäger, Frankfurt/M. (D)	Dr. Peter Sacher, Abbenrode (D)
Dr. Christian Komposch, Graz (A)	Prof. Dr. Wojciech Starega, Warszawa (PL)

**Erscheinungsweise:**

Pro Jahr 2 Hefte. Die Hefte sind laufend durchnummeriert und jeweils abgeschlossen paginiert.  
Der Umfang je Heft beträgt ca. 50 Seiten. Erscheinungsort ist Nürnberg. Auflage von Heft 40: 750 Exemplare  
Druck: Fa. Isensee, Oldenburg.

**Autorenhinweise/Instructions for authors:**

bei der Schriftleitung erhältlich, oder unter der URL: <http://www.arages.de/aramit/>

**Bezug:**

Im Mitgliedsbeitrag der Arachnologischen Gesellschaft enthalten (25 Euro, Studierende 15 Euro  
pro Jahr), ansonsten beträgt der Preis für das Jahresabonnement 25 Euro. Die Kündigung der Mitgliedschaft oder des  
Abonnements wird jeweils zum Jahresende gültig und muss der AraGes bis 15. November vorliegen.

**Bestellungen** sind zu richten an:

Dr. Peter Michalik, Zoologisches Institut und Museum, Johann-Sebastian-Bach-Str. 11/12, D-17489 Greifswald.  
Tel.: +49-(0)3834-86-4099, Fax: +49-(0)3834-86-4252. E-Mail: [michalik@uni-greifswald.de](mailto:michalik@uni-greifswald.de) oder via Homepage:  
[www.AraGes.de](http://www.AraGes.de)

Die Bezahlung soll jeweils im ersten Quartal des Jahres erfolgen auf das Konto:

Arachnologische Gesellschaft e.V.; Kontonummer: 8166 27-466; Postbank Dortmund, BLZ 440 100 46  
IBAN DE75 4401 0046 0816 6274 66, BIC (SWIFT CODE) PBNKDEFF

Die Arachnologischen Mitteilungen sind berücksichtigt in:

**Scopus** (<http://info.scopus.com>), **E-Bibliothek** (<http://rzblx1.uni-regensburg.de/ezeit>),

**Directory of Open Access Journals** (<http://www.doaj.org>), **Zoological Records** und **Biological Abstracts**.

Umschlagzeichnung: P. Jäger, K. Rehbinder (AraGes-Logo)



**25TH ECA**  
EUROPEAN CONGRESS  
OF ARACHNOLOGY

**16-21 AUGUST 2009**  
ALEXANDROUPOLI, GREECE

**Organisation committee**

Maria Chatzaki  
maria.chatzaki@gmail.com

Katerina Spiridopoulou  
aikspiridopoulou@gmail.com

Iasmi Stathi  
iasmi@nhmc.uoc.gr

**Secretariat**

Stavros Gogolopoulos  
Kyriakos Karakatsanis  
Eleni Panayiotou  
Aggeliki Paspatis  
Emma Shaw

**Scientific committee**

Miquel Arnedo  
Maria Chatzaki  
Christo Deltchev  
Victor Fet  
Peter Jäger  
Dimitris Kaltsas  
Aristeidis Parmakelis  
Iasmi Stathi

**Co-organiser & financial support**

European Society of Arachnology  
Prefectural Self-Government Prefecture of Evros  
Prefecture of Rhodopi-Evros  
Region of Macedonia-Trace

**Organisers**



DEMODRITUS UNIVERSITY  
OF THRACE, GREECE  
DPT. OF MOL. BIOLOGY & GENETICS  
6th Km Alexandroupoli – Komotini  
Univ. Campus, Dragana  
68100 Alexandroupoli  
GREECE



NATURAL HISTORY MUSEUM OF  
CRETE  
UNIVERSITY OF CRETE  
PO BOX 2208  
71409 Irakleio  
CRETE  
GREECE



1. PEKAR Stano, Czech Republic – 2. POULIKARAKOU Stavroula, Greece – 3. PARMAKELIS Aristeidis, Greece – 4. MARUSIK Yuri M., Russia – 5. PITERKINA Tatyana, Russia – 6. MARUSIK Irina, Russia – 7. FET Victor, USA – 8. DOLEJŠ Petr, Czech Republic – 9. SAMU Ferenc, Hungary – 10. FORMAN Martin, Czech Republic – 11. PAVEL Stoev, Bulgaria – 12. HAJER Jaromír, Czech Republic – 13. KOMNENOV Marjan, FYR Macedonia – 14. KRÁL Jiří, Czech Republic – 15. DELTSHEV Christo, Bulgaria – 16. HUBER Siegfried, Germany – 17. MYLES Nolan, Ireland – 18. DUNLOP Jason, Germany – 19. KOPONEN Heli, Finland – 20. KROPF Christian, Switzerland – 21. KOPONEN Seppo, Finland – 22. LOGUNOV Dmitri, UK – 23. JÄGER Peter, Germany – 24. BERGTHALER Gernot J., Austria – 25. KUNTNER Matjaž, Slovenia – 26. GREGORIČ Matjaž, Slovenia – 27. ARNEDO Miquel, Spain – 28. GALINDO Raquel, Spain – 29. KNAPIČ Tea, Slovenia – 30. BIDEGARAY BATISTA Leticia, Spain – 31. MICHALIK Peter, Germany – 32. SCHÖNHOFER Axel, Germany – 33. FRICK Holger, Switzerland – 34. GEORGIEV Georgi Y., Bulgaria – 35. BLICK Theo, Germany – 36. KANNIPARAMBIL Sunil Jose, India – 37. CHIARLE Alberto, Italy – 38. CRAVERO Elisa, Italy – 39. ISAIA Marco, Italy – 40. PASCHETTA Mauro, Italy – 41. LAZAROV Stoyan, Bulgaria – 42. LAZAROVA Alexandra, Bulgaria – 43. BRUGISSER Odile, Switzerland – 44. THALER-KNOFLACH Barbara, Austria – 45. VAN HELSDINGEN Peter J., Netherlands – 46. ONO Hirotsugu, Japan – 47. MELEKOĞLU Abdullah, Turkey – 48. DANIŞMAN Tark, Turkey – 49. HORAK Peter “Otto”, Austria – 50. HSIEH Samuel Yu-Lung, Germany – 51. STENCHLY Kathrin, Germany – 52. BUCHHOLZ Sascha, Germany – 53. STATHI Iasmi, Greece – 54. PANAYIOTOU Eleni, Greece – 55. KARAKATSANIS Kyriakos, Greece – 56. GOGOPOULOS Stavros, Greece – 57. SPYRIDOPOULOU Katerina, Greece – 58. PASPATI Aggeliki, Greece – 59. CHATZAKI Maria, Greece – 60. GEORGIADIS Pavlos, Greece – 61. OVTCHARENKO Vladimir, USA – 62. HUANG Jin-Nan, Taiwan – 63. HOU Chueh, Taiwan – 64. WALTER André, Germany – 65. HUANG Pao-Sheng, Taiwan – 66. TSO I-Min, Taiwan – 67. UNİYAL Virendra P., India – 68. UNİYAL Bhagwati, India – 69. EL-HENNAWY Rana, Egypt – 70. SEYFULINA Rimma, Russia – 71. DECAE Arthur, Netherlands – 72. LUBIN Yael, Israel – 73. HERVÉ Christophe, France – 74. NAUMOVA Maria, Bulgaria – 75. DECLEER Marij, Belgium – 76. SELDEN Paul Antony, USA – 77. SELDEN Maura, USA – 78. MITOV Plamen, Bulgaria – 79. SZINETÁR Csaba, Hungary – 80. DOLANSKY Jan, Czech Republic – 81. KOMPOSCH Christian, Austria – 82. LOPARDO Lara, Germany – 83. SHAW Emma M., UK – 84. BOSMANS Robert, Belgium – 85. BAEHR Ursula, Australia – 86. ROLLARD Christine, France – 87. BAEHR Barbara, Australia – 88. VRENOZI Blerina, Albania – 89. RAVEN Robert, Australia – 90. EL-HENNAWY Hisham K., Egypt – 91. BAYRAM Abdullah, Turkey – 92. KAYA Rahsen S., Turkey – 93. YILMAZ Zeyhan, Turkey – 94. YAĞMUR Ersen Aydın, Turkey – 95. AMBALAPARAMBIL Sudhikumar, Belgium – 96. HUANG Jin-Nan, Taiwan.

## Preface

doi:10.5431/aramit4001

The 25<sup>th</sup> European Congress of Arachnology was held in the city of Alexandroupolis, from 16 to 21 August 2009. It was jointly organised by the Department of Molecular Biology and Genetics of the Democritus University of Thrace and the Natural History Museum of the University of Crete. Arachnologists from all over the world arrived to this little point at the north-eastern border of Greece to attend this meeting, the 25<sup>th</sup> in a series which started in 1972 in Strasburg. The arachnological meeting has passed through many countries of Europe, but this was the first time that has taken place in Greece.

90 participants, including 30 students, from 28 representative countries from all five continents and 17 accompanying persons attended this meeting. The scientific programme comprised 51 oral presentations and 34 posters from various thematic fields such as taxonomy and faunistics, phylogenetics, biogeography, phylogeography, physiology, behaviour, ecology and others. 18 papers were submitted for evaluation for the proceedings volume and of these, 11 were selected for publication after peer review by two referees each. During the four days of scientific programme, three keynote presentations were given on special topics by: Miquel Arnedo, Victor Fet and Peter Jäger. Student awards were given to the best three oral presentations and the best three posters on the closing ceremony. Lectures: Holger Frick (Switzerland), Samuel Yu-Lung Hsieh (Germany), and Odile Bruggisser (Switzerland). Posters: Jin-Nan Huang (Taiwan), Vera Opatova (Czech Republic), and Chueh Hou (Taiwan).

During the five-day stay at the congress hall of the Alexander Beach Hotel, participants had the opportunity to enjoy the hospitality of the staff, but also to take advantage of the beautiful

beach opposite the hotel and the cosy atmosphere of Greek taverns. Accompanying persons visited the most important archaeological sites, cities and natural reserves of the area. During the mid-week excursion, all of us had a wonderful experience canoeing on the Nestos river or walking by its riverbank and then enjoying the food, wine and nice view of a local tavern in the surroundings of the city of Xanthi, where we spent the rest of the day. An opening ceremony at the pool of the hotel, the standard 'Russian party', Thursday's congress dinner, and finally a beach party at the end of the congress completed the picture of a very pleasant week.

The General Assembly of the ESA members closed the meeting of 2009. During this ceremony we had to say our last goodbyes to the late arachnologists Gershom Levy and Jean-Pierre Maelfait who passed away that year. Nevertheless, we also had to congratulate the 70<sup>th</sup> anniversary of the still very active arachnologist Christo Deltshev. Members of the Society had to vote on the fate and form of the proceedings of the congress, which later in the year lead to a general referendum. Proceedings should thus retain their paper format and be distributed to all members of the Society, either edited by an existing journal or – eventually – by the Society's official future journal.

Scientific contributions and exchange of knowledge harmonised with relaxation and fun due to the commitment of many people who volunteered to offer their help: first of all Iasmi Stathi and Katerina Spyridopoulou did their best for the whole year's organisation procedure; our students Eleni Panayiotou, Aggeliki Paspati, Kyriakos Karakatsanis and Stavros Gogolopoulous, assisted in various ways during the congress week; Pavlos Georgiadis was the main group leader of the accompanying people's

activities and Emma Shaw assisted in the secretariat, as well as other activities; without Peter Jäger there would never have been such a successful last day beach party, since he was the night's DJ. Many participants also assisted with the smooth running of the week's programme, among them session chairs, members of the scientific committee and evaluation teams. I am deeply grateful to the staff of the Alexander Beach Hotel for their patience and kindness, all the facilities they provided and the very well organised service. I also owe my gratitude to Theo Blick and the rest of the Arachnologische Mitteilungen personnel for our excellent cooperation during editing of the proceedings and the numerous reviewers who volunteered

to check and decide upon the selected papers of this volume.

I finally have to acknowledge our sponsors: the local authorities, Prefectural Self-Government Prefecture of Evros; Prefecture of Rhodopi-Evros; Region of Macedonia-Thrace; the Democritus University; the European Society of Arachnology. Special thanks to all secretary members of the above offices who offered their support and help at any moment as well as the members of the ESA council not only for financial support, but also for the psychological and consulting support during the whole year of the organisation of this congress.

Maria Chatzaki

**When citing the whole volume, please use:**

CHATZAKI M., T. BLICK & O.-D. FINCH (Eds) (2011): European Arachnology 2009. Proceedings of the 25th European Congress of Arachnology, Alexandroupoli, 16–21 August 2009. – Arachnologische Mitteilungen 40: 1–109

The contributions to this volume are online available at:

1. <http://arages.de/aramit>
2. <http://www.european-arachnology.org/collo/collo25.shtml>
3. <http://www.mbg.duth.gr/en/index.php?cid=84&st=1>

The abstract volume (pdf) and the congress photo (jpg) are available at:

1. <http://www.mbg.duth.gr/en/index.php?cid=84&st=1>
2. <http://www.european-arachnology.org/collo/collo25.shtml>