



---

## **Continued growth of Systematic and Applied Acarology, and hot spots and shelf life of new species in 2013**

Author: Zhang, Zhi-Qiang

Source: Systematic and Applied Acarology, 19(1) : 110-112

Published By: Systematic and Applied Acarology Society

URL: <https://doi.org/10.11158/saa.19.1.9>

---

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

## Continued growth of *Systematic and Applied Acarology*, and hot spots and shelf life of new species in 2013

ZHI-QIANG ZHANG<sup>1, 2</sup>

<sup>1</sup> Landcare Research, 231 Morrin Road, Auckland, New Zealand. Email: [zhangz@landcareresearch.co.nz](mailto:zhangz@landcareresearch.co.nz)

<sup>2</sup> Centre for Biodiversity & Biosecurity, School of Biological Sciences, University of Auckland, Auckland, New Zealand

*Systematic and Applied Acarology* (SAA) published 46 papers in 2013. During the last eight years, the number of papers per year increased with increasing journal frequency: biannual (2006) 28 papers; triannual (2007–2012) 35 papers; quarterly (2012–2013) 49 papers. During the first decade, it was annual with on average 27 papers per year (Zhang 2005). The coverage of SAA in *ISI Science Citation Index Expanded* from 2011 (Zhang 2011) has helped the rapid increase in submission during last two years. Based on the citation data in ISI database, my estimate for the first Impact Factor for SAA (2013) is that it will be more than 1.10 (the official figure will be available in June 2014).

During 2007–2012, the number of new species published per year in SAA was 19 on average, with a range of 17–30 (Liu *et al.* 2013). In 2013, 26 (or 56.5%) of the papers described a total of 34 new species from 11 countries (Table 1), with the top three country being Iran (12 species), New Zealand (5 species) and China (4 species). The shelf life of new species from discovery to description is 12 years on average (Table 1), which is slightly lower than the average for new invertebrates described in 2007 (Fontaine *et al.* 2013). The shelf life of new species from developed countries (mean 36.6; s.e. 10.1 for Australia, New Zealand, USA and Japan) is about ten times as long as that from developing countries (mean 3.4; s.e. 0.5); the difference is highly significant (Mann-Whitney U = 47; p = 0.008). However, Fontaine *et al.* (2013) reported that the country of origin (the GDP) of the new species was not significantly correlated with the shelf life of new species in 2007.

**TABLE 1.** New species described in *Systematic and Applied Acarology* 2013: Type locality and shelf life.

New species	Type locality	Shelf life (years)	References
<i>Aceria heteropappi</i>	Iran	2	Xue <i>et al.</i> (2013b)
<i>Acaricis urigersoni</i>	New Zealand	0	Xu & Zhang (2013)
<i>Acroseius weiri</i>	Australia	37	Błoszyk <i>et al.</i> (2013)
<i>Aegyptobia khanjanii</i>	Iran	3	Farzan & Asadi (2013)
<i>Baloghiella foveolata</i>	Iran	2	Akrami & Ebrahimi (2013)
<i>Campachipteria brevisetosa</i>	Ecuador	5	Ermirov <i>et al.</i> (2013a)
<i>Charletonia terianae</i>	Iran	4	Hakimitabar <i>et al.</i> (2013)
<i>Cheiroseius manouchehrii</i>	Iran	7	Shamsi & Saboori (2013)
<i>Cheylostigmaeus mahvashae</i>	Iran	2	Khanjani <i>et al.</i> (2013b)
<i>Diptilomiopus diaoluoicus</i>	China	5	Xue <i>et al.</i> (2013a)
<i>Diptilomiopus engelhardter</i>	China	5	Xue <i>et al.</i> (2013a)
<i>Galumna dongnaiensis</i>	Vietnam	1	Ermilov & Anichkin (2013b)
<i>Eupalopsellus kermaniensis</i>	Iran	3	Mahdavi <i>et al.</i> (2013a)
<i>Eustigmaeus ueckermanni</i>	Iran	3	Bagheri & Beyzavi (2013)

<i>Eutarsopolipus asiaticus</i>	Japan	39	Husband & Kurosa (2013)
<i>Eutarsopolipus americanus</i>	USA	105	Husband & Husband (2013)
<i>Hammerella parasufflata</i>	Ecuador	13	Ermirov <i>et al.</i> (2013b)
<i>Konola pingis</i>	China	5	Xue <i>et al.</i> (2013)
<i>Machadobelba longiciliata</i>	Ecuador	5	Ermirov <i>et al.</i> (2013a)
<i>Moldoustium haitlingeri</i>	Iran	3	Noei <i>et al.</i> (2013a)
<i>Neorhynacus altingus</i>	China	5	Xue <i>et al.</i> (2013a)
<i>Oribotritia bilaminae</i>	New Zealand	36	Liu & Zhang (2013a)
<i>Oribotritia manganuka</i>	New Zealand	37	Liu & Zhang (2013a)
<i>Phrathicarus hikurangi</i>	New Zealand	33	Liu & Zhang (2013b)
<i>Phrathicarus longisensillus</i>	New Zealand	41	Liu & Zhang (2013b)
<i>Plakoribates asiaticus</i>	Vietnam	1	Ermilov & Anichkin (2013a)
<i>Rhinonyssus dobromiri</i>	Russia	2	Dimov & Spicer (2013)
<i>Scheloribates lizelhugoe</i>	Ethiopia	1	Ermilov & Rybalov (2013)
<i>Simalurapolipus hiraii</i>	Japan	1	Kurosa & Husband (2013)
<i>Storchia elhamae</i>	Iran	1	Hassanzadeha <i>et al.</i> (2013)
<i>Tenuipalpus zahirii</i>	Iran	1	Khanjani <i>et al.</i> (2013a)
<i>Tetra heliotropii</i>	Iran	2	Xue <i>et al.</i> (2013b)
<i>Tetranychus iraniensis</i>	Iran	2	Mahdavi <i>et al.</i> (2013b)
<i>Zygoribatula josefstaryi</i>	Ethiopia	1	Ermilov & Rybalov (2013)

## References

- Akrami, M.A. & Ebrahimi, F. (2013) A new species of the genus *Baloghiella* Bulanova-Zachvatkina, 1966 (Oribatida: Haplozetidae) from Iran. *Systematic & Applied Acarology*, 18(4), 396–400.  
<http://dx.doi.org/10.11158/saa.18.4.8>
- Bagheri, M. & Beyzavi, G. (2013) *Eustigmaeus ueckermanni*, a new species of the genus *Eustigmaeus* Berlese (Acari: Stigmaeidae) from central Iran. *Systematic & Applied Acarology*, 18(1), 30–34.  
<http://dx.doi.org/10.11158/saa.18.1.3>
- Błoszyk, J., Halliday, R.B. & Napierała, A. (2013) *Acroseius weiri* sp. nov. (Acari: Trachytidae), a new species of Uropodina from eastern Australia, with notes on the biogeography of the genus. *Systematic & Applied Acarology*, 18(3), 273–290.  
<http://dx.doi.org/10.11158/saa.18.3.10>
- Dimov, I.D. & Spicer, G.S. (2013) A new species of nasal mite of the genus *Rhinonyssus* (Mesostigmata: Rhinonyssidae) from Leningrad Province, Russia. *Systematic & Applied Acarology*, 18(3): 291–296.  
<http://dx.doi.org/10.11158/saa.18.3.11>
- Ermilov, S.G. & Anichkin, A.E. (2013a) A new species of *Plakoribates* (Acari: Oribatida: Achipteriidae) from Vietnam. *Systematic & Applied Acarology*, 18(2), 137–144.  
<http://dx.doi.org/10.11158/saa.18.2.6>
- Ermilov, S.G. & Anichkin, A.E. (2013b) Oribatid mites (Acari: Oribatida) from acacia and pine plantations in southern Vietnam, with description of a new species of the subgenus *Galumna* (*Cosmogalumna*). *Systematic & Applied Acarology*, 18(1), 80–88.  
<http://dx.doi.org/10.11158/saa.18.1.9>
- Ermilov, S.G. & Rybalov, L.B. (2013) Two new species of oribatid mites of the superfamily Oripodoidea (Acari: Oribatida) from Ethiopia. *Systematic & Applied Acarology*, 18(1), 71–79.  
<http://dx.doi.org/10.11158/saa.18.1.8>
- Ermilov, S.G., Sandmann, D., Marian, F. & Maraun, M. (2013a) New oribatid mites of the genera *Machadobelba* and *Campachipteria* (Acari: Oribatida) from Ecuador. *Systematic & Applied Acarology*, 18(2), 145–152.  
<http://dx.doi.org/10.11158/saa.18.2.7>
- Ermilov, S.G., Sandmann, D., Marian, F. & Maraun, M. (2013b) Oribatid mites of the superfamily Oppioidea from Ecuador (Acari: Oribatida). *Systematic & Applied Acarology*, 18(3), 218–224.  
<http://dx.doi.org/10.11158/saa.18.3.3>

- Farzan, S. & Asadi, M. (2013) A new species of *Aegyptobia* Sayed, 1950 (Acari: Trombidiformes: Tenuipalpidae) from Iran. *Systematic & Applied Acarology*, 18(1), 35–40.  
<http://dx.doi.org/10.11158/saa.18.1.4>
- Fontaine, B., Perrard, A. & Bouchet, P. (2013) 21 years of shelf life between discovery and description of new species. *Current Biology*, 22(22), R943–R944.  
<http://dx.doi.org/10.1016/j.cub.2012.10.029>
- Hakimitabar, M., Saboori, A. & Seiedy, M. (2013) A new species of larval *Charletonia* (Acari: Erythraeidae) parasitic on Arachnida from Iran. *Systematic & Applied Acarology*, 18(2), 163–176.  
<http://dx.doi.org/10.11158/saa.18.2.9>
- Hassanzadeha, M., Khanjani, M., Safaralizadeha, M.H. & Mirfakhraiea, S. (2013) A new species of the genus *Storchia* Oudemans (Acari: Stigmaeidae) from northwest Iran. *Systematic & Applied Acarology*, 18(4), 351–356.  
<http://dx.doi.org/10.11158/saa.18.4.5>
- Husband, R.W. & Husband, D.O. (2013) *Eutarsopolipus americanus* sp. nov. (Acari: Podapolipidae), subelytral parasite of *Chlaenius praesinus* Dejean (Coleoptera: Carabidae) from Michigan and Missouri, USA. *Systematic & Applied Acarology*, 18(1), 53–60.  
<http://dx.doi.org/10.11158/saa.18.1.6>
- Husband, R.W. & Kurosa, K. (2013) *Eutarsopolipus asiaticus* sp. nov. (Acari: Podapolipidae), subelytral parasite of *Chlaenius costiger* Chaudoir (Coleoptera: Carabidae) from Japan. *Systematic & Applied Acarology*, 18(1), 61–70.  
<http://dx.doi.org/10.11158/saa.18.1.7>
- Khanjani, M., Alvandy, S., Khanjania, M. & Seeman, O.D. (2013a) A new species of *Tenuipalpus* Donnadieu (Acari: Tenuipalpidae) from Iran. *Systematic & Applied Acarology*, 18(4), 389–395.  
<http://dx.doi.org/10.11158/saa.18.4.7>
- Khanjani, M., Firoozfar, A. & Mirmoayedy, A. (2013b) *Cheylostigmaeus mahvashae* sp. nov., a new species of the family Stigmaeidae (Acari) from Kermanshah Province, Iran. *Systematic & Applied Acarology*, 18(4), 345–350.  
<http://dx.doi.org/10.11158/saa.18.4.4>
- Kurosa, K. & Husband, R.W. (2013) A new genus and species, *Simalurapolipus hiraii* (Acari: Heterostigmatina: Podapolipidae) parasitic on *Simalura coerulea* (Coleoptera: Tenebrionidae) in Japan. *Systematic & Applied Acarology*, 18(3), 252–262.
- Liu, D., Yi, T.-C., Xu, Y. & Zhang, Z.-Q. (2013) Hotspots of new species discovery: new mite species described during 2007 to 2012. *Zootaxa*, 3663 (1), 1–102.  
<http://dx.doi.org/10.11646/zootaxa.3663.1.1>
- Liu, D. & Zhang, Z.-Q. (2013a) New Zealand species of *Oribotritia* (Acari: Oribatida: Oribotritiidae): descriptions of two new species and a key to eight species. *Systematic & Applied Acarology*, 18(2), 153–162.  
<http://dx.doi.org/10.11158/saa.18.2.8>
- Liu, D. & Zhang, Z.-Q. (2013b) Two new species of the genus *Phrathicarus* from New Zealand (Acari: Oribatida: Phrathacaridae). *Systematic & Applied Acarology*, 18(3), 233–238.  
<http://dx.doi.org/10.11158/saa.18.3.5>
- Mahdavi, S.M., Asadi, M. & Farzan, S. (2013a) A new species of *Eupalopsellus* Sellnick, 1950 (Acari: Eupalopsellidae) from the south of Iran. *Systematic & Applied Acarology*, 18(2), 190–196.  
<http://dx.doi.org/10.11158/saa.18.2.11>
- Mahdavi, S.M., Asadi, M., Ueckermann, E.A. & Farzan, S. (2013b) A new species of *Tetranychus* Dufour, 1832 (Acari, Trombidiformes: Tetranychidae) from Iran. *Systematic & Applied Acarology*, 18(3), 245–251.  
<http://dx.doi.org/10.11158/saa.18.3.7>
- Noei, J., Saboori, A., Šundić, M., Hajizadeh, J. & Pešić, V. (2013) A new species and two new records of larval mites (Acari: Prostigmata; Erythraeidae, Smarididae) from northern Iran and Montenegro. *Systematic & Applied Acarology*, 18(3), 263–272.  
<http://dx.doi.org/10.11158/saa.18.3.9>
- Shamsi, M.H. & Saboori, A. (2013) *Cheiroseius manouchehrii* sp. nov. (Acari: Mesostigmata), a new species from Iran. *Systematic & Applied Acarology*, 18(2), 130–136.  
<http://dx.doi.org/10.11158/saa.18.2.5>
- Xu, Y. & Zhang, Z.-Q. (2013) New Zealand Tenuipalpidae (Acari: Trombidiformes): A new species of *Acaricis* from Cyperaceae and its ontogenetic patterns in chaetotaxy. *Systematic & Applied Acarology*, 18(4), 357–388.  
<http://dx.doi.org/10.11158/saa.18.4.6>
- Xue, X.-F., Cheng, L.-S. & Hong, X.-Y. (2013a) Eriophyoid mites from Hainan Province, China VII: Descriptions of four new species (Acari: Diptilomiopidae). *Systematic & Applied Acarology*, 18(2), 177–189.  
<http://dx.doi.org/10.11158/saa.18.2.10>
- Xue, X.-F., Sadeghi, H., Hong, X.-Y. & Sinaie, S. (2013b) New species and records of eriophyid mites from Iran (Acari: Eriophyidae). *Systematic & Applied Acarology*, 18(1), 41–52.  
<http://dx.doi.org/10.11158/saa.18.1.5>
- Zhang, Z.-Q. (2005) A decade of *Systematic & Applied Acarology*. *Systematic & Applied Acarology*, 10, 197–200.
- Zhang, Z.-Q. (2008) An observation on the consequences of increased frequency of journal issues. *Systematic & Applied Acarology*, 13, 159–160.
- Zhang, Z.-Q. (2011) A new chapter in the development of *Systematic & Applied Acarology*. *Systematic & Applied Acarology*, 16, 336–336.

Accepted by Qing-Hai Fan: 12 Mar.2014; published: 24 Mar. 2014