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## V. Addendum to the world genera and species list of the family Tenuipalpidae (Acari)

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### Abstract

A checklist of mite taxa of the family Tenuipalpidae described since 1989 is presented. The family comprises now 27 genera and 759 species.

Sepasgosarian (1983) published a list of the world taxa of the family Tenuipalpidae, comprising 21 genera and 541 species. Later (1984, 1985, 1987 and 1990) he published four addenda to that main list. Then, the number of tenuipalpid genera and species increased to 25 and 697 taxa, respectively. Since 1990 two new genera and 63 new species have been described and are listed below.

Evans, Cromroy & Ochoa (1993) studied the tenuipalpid of Honduras and found 7 new species. Smiley & Gerson (1995) reviewed the tenuipalpid of Australia and described 2 new genera and 4 new species. Smith Meyer (1993a) surveyed the genus *Tenuipalpus* in the Afrotropical Region and provided descriptions of 34 new species. She described also (1993b) a new species of *Ultratenuipalpus* from South Africa. Later, Smith Meyer & Van Dis (1993) described eight new species. Moreover, Akbar & Mushtaq (1993), Hatzinikolis & Emmanouel (1990), Sadana & Sidhu (1989a, 1989b, 1991) and Sadana & Kaur (1992) gave the descriptions of two, one, three and one new tenuipalpid species from Pakistan, Greece and India, respectively. Now the family Tenuipalpidae comprises 759 species belonging to 27 genera.

A complete file catalogue and the literature cited in the main paper and particular addenda (Sepasgosarian 1983, 1984, 1985, 1987, 1990, present paper) are housed at the Zoological Museum of the University of Hamburg. Every species listed below is accompanied by the author's name, date, the generic name, a host and locality. The synonyms, new names and combinations are also included.

### A list of recently described taxa of the family Tenuipalpidae

***Australopalpus*** Smiley & Gerson, 1995: 34

type species: *Australopalpus alphonitoniae* Smiley & Gerson, 1995: 34

***Lisaepalpus*** Smiley & Gerson, 1995: 36

type species: *Lisaepalpus smileyae* Smiley & Gerson, 1995: 36

- abutiloni** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subgenus *Annonae*), on *Abutilon austro-africanum* Hochr., in Die Eiland, RSA
- abuzabiensis** Smith Meyer & Van Dis, 1993: *Aegyptobia* (*traegardhi* group), on *Cornulaca monacantha* Del., in Abu-Zabi, UAE
- acritus** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*), on *Pouzolzia mixta* Solms and *Protea caffra* Meisn., in Natal, RSA
- aegyptetrapodus** (Zaher & Yousef, 1969): *Phytoptipalpus* *Aegyptobia aegyptetrapoda* Zaher & Yousef, 1969: 275  
*Phytoptipalpus aegyptetrapoda*: Smith Meyer 1979: 123  
*Phytoptipalpus aegyptetrapodus*: Smith Meyer & Van Dis 1993: 326 (*cercidium* group)
- alexandriae** Smith Meyer & Van Dis, 1993: *Phytoptipalpus* (*paradoxus* group) on *Catophractes alexandri* D. Don., in Namib-Naukluft Park, Namibia
- alphitoniae** Smiley & Gerson, 1995: *Australopalpus*, on leaves of *Alphitonia excelsa* in Brisbane, Queensland, Australia
- amatikulensis** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, Subg. *Rhusi*) on *Aspilia natalensis* (Sond.) De Wild, in Gingindlovu, RSA
- andersoni** Evans, 1993: *Brevipalpus*, on *Solanum nudum* and *Deppea grandiflora* in Morazan, Honduras
- athrixiae** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on *Athrixia elata* Sond., in Pretoria, RSA
- bakerdeleonorum** Evans, 1993: *Tenuipalpus*, on *Chromolaneae* (= *Eupatorium*) *odorata* in Olancho, Honduras
- brekheyae** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Keiensis*), on *Berkheya radula* (Harv.) De Wild, in Pretoria, RSA
- bellulus** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*), on *Albizia harveyi* Fourm., in RSA
- bunyai** Smiley & Gerson, 1995: *Ultratenuipalpus*, on *Araucaria bidwilli* in Toowong, Australia
- capassae** Smith Meyer, 1993: *Tenuipalpus* (*Proteae* group, subg. *Rhusi*), on *Lonchocarpus capassa* Rolfe, in Pretoria, RSA
- cedermontana** Smith Meyer & Van Dis, 1993: *Aegyptobia* (*macswaini* group), on *Anthospermum aethiopicum* L., in Dwars River, Cape Province, RSA
- chelinus** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*) on *Rhynchosia monophylla* Schltr., in RSA
- collinus** Smith Meyer & Van Dis, 1993: *Pentamerismus* (*oregonensis* group), on *Passerina falcifolia* C.H.W.R., in Meiringspoort, Cape Province, RSA
- comatus** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), in Graafwater, RSA
- crocopontensis** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*) on *Euclea crispa* (Thunb.) Guerke, in Crocodile Bridge, RSA
- cromroyi** Evans, 1993: *Brevipalpus*, on *Ficus carica* in Morazan, Honduras
- dehlonensis** Sadana & Sidhu, 1989: *Terminalichus*, in India
- dombeyae** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*) on *Dombeya rotundifolia* (Hochst.) Lanch., in Nelspruit, RSA
- ericae** Smith Meyer & Van Dis, 1993: *Aegyptobia* (*macswaini* group), on *Erica walkeria* Andr., in Dwars River, Cape Province, RSA

- faveolus** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on *Helichrysum petiolare* Hilliard & Burt, in RSA
- feliciae** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Keiensis*), on *Felicia hirsuta* DC., in Karoo National Park, RSA
- foetidae** (Meyer, 1979): *Pentamerismus*  
*Aegyptobia foetidae* Meyer, 1979: 120  
*Pentamerismus foetidae* (*erythreus* group): Smith Meyer & Van Dis, 1993: 323
- gonianaensis** Sadana & Sidhu, 1991: *Ultratenuipalpus*, on *Citrus limon* and *Psidium guajava* in Goniana, Punjab, India
- harveyi** (Meyer, 1979): *Phytoptipalpus* (= nov. nomen for *Phytoptipalpus albiziae* Meyer, 1979: 125), Smith Meyer & Van Dis 1993: 326
- heteropyxis** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Annonae*), on *Heteropyxis natalensis* Harv., in Blyde River canyon, RSA
- hondurani** Evans, 1993: *Brevipalpus*, on *Heterocentron subtiplinervium*, *Pasiflora bicolor*, *Hydrocotyle mexicana* and *Chamaedorea* sp., in Morazan, Honduras
- hondurensis** Evans, 1993: *Tenuipalpus*, on *Asteraceae* in Cortes, Honduras
- jonkeri** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on *Silvia africana caerulea* L., in Jonkershoek, RSA
- insularis** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*), on an unidentified wild tree, RSA
- kalahariensis** (Meyer, 1979): *Phytoptipalpus*  
*Aegyptobia kalahariensis* Meyer, 1979: 121  
*Phytoptipalpus kalahariensis* n. comb. (*paradoxus* group), Smith Meyer & Van Dis 1993: 330
- kraussianae** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Annonae*), on *Acacia nilotica* (L.) Wild, in Die Eiland, RSA
- leipoldti** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on *Rhus undulata* in Aliwal North, RSA
- leucospermi** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*) on *Leucospermum conocarpodendron* (L.) Buek, in Willowmore, RSA
- lineati** Smith Meyer & Van Dis, 1993: *Aegyptobia* (*macswaini* group), on *Thesium lineatum* L.F., in Karoo National Park, Cape Province, RSA
- magalismontani** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*), on *Bequaertiodendron magalismontanum* (Sond.) Heine & J.H. Hemsl., in Venda, RSA
- molinae** Evans, 1993: *Tenuipalpus*, on *Asteraceae* in Cortes, Honduras
- monacanthae** Smith Meyer & Van Dis, 1993: *Aegyptobia* (*traegardhi* group), on *Cornulaca monacantha* Del., in Abu-Zabi, UAE
- morianus** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*), on *Combretum molle* R. Br., *Ximenesia caffra* Sond. and *Combretum erythrophyllum* (Burch.) Sond., RSA
- multistriatum** (Meyer, 1979): *Phytoptipalpus*  
*Aegyptobia multistriatum* Meyer, 1979: 123  
*Phytoptipalpus multistriatum* n. comb. (*cercidium* group), Smith Meyer & Van Dis 1993: 327
- nangalensis** Sadana & Kaur, 1992: *Brevipalpus*, in India
- namaensis** Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*), on *Rhus*

- lancea* L.F., in Vanrhynsdorp, RSA  
*nasicornensis* Smith Meyer & Van Dis, 1993: *Aegyptobia* (*traegardhi* group), on *Aptosimum spinescens* (Thunb.) Weber, in Pofadder, Cape Province, RSA  
*nenaxi* Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Xerocolus*), on *Nenax microphylla* (Sond.), in Beaufort West, RSA  
*nyalai* (Meyer, 1979): *Phytoptipalpus*  
*Aegyptobia nyalai* Meyer, 1979: 123  
*Phytoptipalpus nyalai* n. comb. (*cercidium* group), Smith Meyer & Van Dis 1993: 328
- ochoai** Evans, 1993: *Brevipalpus*, on *Lasiantaea fruticosa* and *Ingavera spuria*, in Morazan and El Paraiso, Honduras  
*ombrensis* Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Annonae*), on *Acacia errardii* Benth., in Transvaal, RSA
- papiothalensis** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on *Rhus macowanii* Schonl., in Baviaanskloof, RSA  
*parcus* Akbar & Mushtaq, 1993: *Aegyptobia*, on mango leaves in Faisalabad, Pakistan.  
*phoenicoides* Gonsalez, 1975: *Brevipalpus* (synonym of *Brevipalpus phoenicis* Geijskes, 1939: Evans et al 1993: 133)  
*piarai* Sadana & Sidhu, 1989: *Priscapalpus*, in India  
*protumidus* Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on *Berkheya carlinopsis* Welw., in Boulder Kloof, RSA  
*pteriphilus* Smith Meyer, 1993: *Ultratenuipalpus*, on *Pteridium aquilinum* in Magabesberg Mountain, RSA  
*pyramidi* El-Enany & Soliman, 1987: *Aegyptobia*  
*Aegyptobia pyramidi* (*traegardhi* group): Smith Meyer & Van Dis 1993: 319
- rhusus** Baker & Prichard, 1953: *Tenuipalpus* (synonym of *Tenuipalpus bakeri* Mc Gregor, 1949: Evans et al 1993: 146)
- sagittus** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on an unidentified species of *Restionaceae*, in Swellendam, RSA  
*scitulus* Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Eriophyoides*), on *Cassia* sp., in Skukuza, RSA  
*semper* Akbar & Mushtaq, 1993: *Aegyptobia*, on undetermined host, in Faisalabad, Pakistan.  
*smileyae* Smiley & Gerson, 1995: *Lisaepalpus*, on *Alphitonia excelsa*, in Indooroopilly, Australia  
*stephani* Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *pacificus*), on *Euphorbia* sp., in Sekororo, RSA
- tlixensis** Baker & Tuttle, 1987: *Brevipalpus* (synonym of *Brevipalpus pini* Baker, 1949: Evans et al. 1993: 136)  
*toowongi* Smiley & Gerson, 1995: *Tenuipalpus*, on *Eucalyptus* sp., in Brisbane, Queensland, Australia  
*tortulus* Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on *Xymalos monospora* (Harv.) Baill., in Pong Kloof, RSA
- vernoniae** Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Rhusi*), on *Vernonia oligocephala* (DC.) Sch. Bip. and *Vernonia sutherlandii* Harv., in Peng, RSA  
*vitexi* Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*), on *Vitex harveyana* H.H.W. Pearson, in Rustenburg, RSA

*villiensis* Hatzinikolis & Emmanouel, 1990: *Aegyptobia*, on *Pyrus amigdaliformis*, in Villia Attiki, Greece

*xerocolus* Smith Meyer, 1993: *Tenuipalpus* (*proteae* group, subg. *Xerocolus*), on *Rosenia humulis* (Lers.) Bremer, in Karoo National Park, RSA

*zeyheri* Smith Meyer, 1993: *Tenuipalpus* (*caudatus* group, subg. *Anoplus*) on *Scolopia zeyheri* (Nees) Harv., in Vygeboom Dam, RSA

## Zusammenfassung

Von einigen Autoren wurden seit 1989 neue Arten der Familie Tenuipalpidae veröffentlicht. Diese sind den bisher zusammengestellten Listen beigefügt worden. Die Familie Tenuipalpidae besteht nun aus 27 Gattungen und 759 Arten.

## References

- Akbar, S. and S. Mushtaq, 1993: Two new species of the genus *Aegyptobia* (Acari: Tenuipalpidae) from Pakistan and their phenetic affinities. - Pak. J. Zool., **25** (2): 153-157. Lahore, Pakistan.
- El-Enany, M. A. M. and Z. R. Soliman, 1987: Two new species of family Tenuipalpidae (Acari: Tenuipalpidae). - Agric. Res. Rev. (Giza), **65** (1): 1-7. Cairo.
- Evans, G. A., H. L. Cromroy and R. Ochoa, 1993: The Tenuipalpidae of Honduras (Tenuipalpidae: Acari). - Fla. Entomol., **76** (1): 126-155. Winter Haven, Florida.
- Hatzinikolis E. N. and N. G. Emmanouel, 1990: *Aegyptobia villiensis*, a new species of the family Tenuipalpidae (Acari: Prostigmata) from Greece. - Entomol. Hellen., **8**: 21-24. Athens.
- Sadana, G.L. and R. Sidhu, 1989a: A new species and the first record of the genus *Priscapalpus* De Leon from India (Tenuipalpidae: Acari). - Entomon, **14** (1, 2): 75-77. Trivandrum, India.
- 1989b: A new species of *Terminalichus* Anwarullah & Khan from India (Tenuipalpidae: Acari). - Entomon, **14** (1, 2): 107-108. Trivandrum, India.
- 1990: New species and new host record of tenuipalpid mites from Punjab (Acari: Tenuipalpidae). - Acarologia, **31** (4): 357-360. Paris.
- Sadana, G. L. and B. Kaur, 1992: A new species and first record of brevipalpid mites from Northern India. - Entomon, **17** (1, 2): 95-97. Trivandrum, India.
- Sepasgosarian, H., 1983: A list of the world genera and species of the family Tenuipalpidae (Actinedida, Acaridia). - Z. Angew. Zool., **70**: 169-200. Berlin.
- 1984: Addendum to a list of the world genera and species of the family Tenuipalpidae (Actinedida: Acaridia). - Z. Angew. Zool., **71**: 123. Berlin.
- 1985: II. Addendum to a list of the world genera and species of the family Tenuipalpidae (Actinedida: Acaridia). - Z. Angew. Zool., **72**: 433-435. Berlin.
- 1987: III. Addendum to a list of the world genera and species of the family Tenuipalpidae (Actinedida: Acaridia). - Z. Angew. Zool., **74**: 117-119. Berlin.

- 1990: IV. Addendum to a list of the world genera and species of the family Tenuipalpidae (Actinedida: Acaridia). - Entomol. Mitt. zool. Mus. Hamburg, **10** (139/140): 85-90. Hamburg.
- Smiley, R. L. and U. Gerson, 1995: A review of the Tenuipalpidae (Acari: Prostigmata) of Australia with description of two new genera and four new species. - Int. J. Acar., **21** (1): 33-45. Oak Park, Michigan.
- Smith Meyer, M. K. P., 1993a: A revision of the genus *Tenuipalpus* Donnadieu (Acari: Tenuipalpidae) in the Afrotropical Region. - Entomol. Mem., **88**, 84 pp. Pretoria.
- 1993b: The South African species of *Ultratenuipalpus* Mitrofanov (Acari: Tenuipalpidae), with a key to the species of the genus.- Intl. J. Acar., **19** (1): 39-43. Oak Park, Michigan.
- , Van Dis, J.C.S., 1993: Notes on some species of the related genera *Aegyptobia* Sayed, *Phytoptipalpus* Traegardh and *Pentamerismus* McGregor, with description of eight new species (Acari: Tenuipalpidae). - Genus, **4** (4): 309-357. Wroclaw.

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