



Publications related to African Arachnids – 2010

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- AGNARSSON, I., KUNTNER, M. & BLACKLEDGE, T.A.** 2010. Bioprospecting finds the toughest biological material: extraordinary silk from a giant riverine orb spider. *PLoS ONE* 5(9): e11234. doi:10.1371/journal.pone.0011234.
- AGNARSSON, I., KUNTNER, M., CODDINGTON, J. & BLACKLEDGE, T.A.** 2010. Shifting continents, not behaviors: independent colonization of solitary and subsocial *Anelosimus* spider lineages on Madagascar (Araneae, Theridiidae). *Zoologica Scripta* 39: 75–87.
- ALMEIDA-SILVA, L.M., GRISWOLD, C.E. & BRESCOVIT, A.D.** 2010. Revision of the Asian spider genus *Pandava* Lehtinen (Araneae: Titanoecidae): description of five new species and first record of Titanoecidae from Africa. *Zootaxa* 2630: 30–56.
- AZARKINA, G.N. & LOGUNOV, D.V.** 2010. New data on the jumping spiders of the subfamily Spartaeinae (Araneae: Salticidae) from Africa. *African Invertebrates* 51: 163–182.
- BANKS, J.E., JACKSON, C., HANNON, L.M., THOMAS, C.M., BAYA, A. & NJOROGE, L.** 2010. The cascading effects of elephant presence/absence on arthropods and an Afrotropical thrush in Arabuko-Sokoke Forest, Kenya. *African Journal of Ecology* 48: 1030–1038.
- BOSELLAERS, J.** 2010. Will the real *Trachelas pusillus* please stand up? Notes on the type specimen of *Trachelas pusillus* Lessert, 1923 (Araneae, Corinnidae). *Journal of Afrotropical Zoology* 6: 23–27.
- BOSELLAERS, J. & BOSMANS, R.** 2010. Studies in Corinnidae (Araneae): a new *Paratrachelas* Kovblyuk & Nadolny from Algeria, as well as the description of a new genus of Old World Trachelinae. *Zootaxa* 2612: 41–56.
- BOSELLAERS, J., DIERICK, M., CNUUDE, V., MASSCHAELE, B., VAN HOOREBEKE, L. & JACOBS, P.** 2010. High-resolution X-ray computed tomography of an extant new *Donuea* (Araneae: Liocranidae) species in Madagascan copal. *Zootaxa* 2427: 25–35.
- BURGER, M.** 2010. Complex female genitalia indicate sperm dumping in armored goblin spiders (Arachnida, Araneae, Oonopidae). *Zoology* 113: 19–32.
- BURGER, M. & MICHALIK, P.** 2010. The male genital system of goblin spiders: evidence for the monophyly of Oonopidae (Arachnida: Araneae). *American Museum Novitates* 3675: 1–13.
- CHENG, R.-C., YANG, E.-C., LIN, C.-P., HERBERSTEIN, M.E. & TSO, I.-M.** 2010. Insect form vision as one potential shaping force of spider web decoration design. *Journal of Experimental Biology* 213: 759–768.
- CROSS, F.R. & JACKSON, R.R.** 2010. The attentive spider: search-image use by a mosquito-eating predator. *Ethology* 116: 240–247.
- CROSS, F.R. & JACKSON, R.R.** 2010. Mosquito-specialist spiders. *Current Biology* 20: R622–R624.

- CROSS, F.R. & JACKSON, R.R.** 2010. Olfactory search-image use by a mosquito-eating predator. *Proceedings of the Royal Society B* 277: 3173–3178.
- DE BIVORT, B.L., CLOUSE, R.M. & GIRIBET, G.** 2010. A morphometrics-based phylogeny of the temperate Gondwanan mite harvestmen (Opiliones, Cyphophthalmi, Pettalidae). *Journal of Zoological Systematics and Evolutionary Research* 48: 294–309.
- DE BIVORT, B.L. & GIRIBET, G.** 2010. A systematic revision of the South African Pettalidae (Arachnida: Opiliones: Cyphophthalmi) based on a combined analysis of discrete and continuous morphological characters with the description of seven new species. *Invertebrate Systematics* 24: 371–406.
- DIMITROV, D., ALVAREZ-PADILLA, F. & HORMIGA, G.** 2010. On the phylogenetic placement of the spider genus *Atimiosa* Simon, 1895, and the circumscription of *Dolichognatha* O.P.-Cambridge, 1869 (Tetragnathidae, Araneae). *American Museum Novitates* 3683: 1–19.
- DIPPENAAR-SCHOEMAN, A.S., HADDAD, C.R., FOORD, S.H., LYLE, R., HELBERG, L., MATHEBULA, S., VAN DEN BERG, A.M., VAN NIEKERK, E. & JOCQUE, R.** 2010. *First Atlas of the Spiders of South Africa (Arachnida: Araneae)*. ARC – Plant Protection Research Institute, Pretoria.
- DUHEM, B. & CLOUDSLEY-THOMPSON, J.L.** 2010. A new relictual buthid scorpion from the region of the Great Rift Valley in Kenya (Scorpiones, Buthidae). *Comptes Rendus Biologies* 333: 280–285.
- DUNCAN, R.P., RYNERSON, M.R., RIBERA, C. & BINFORD, G.J.** 2010. Diversity of *Loxosceles* spiders in Northwestern Africa and molecular support for cryptic species in the *Loxosceles rufescens* lineage. *Molecular Phylogenetics and Evolution* 55: 234–248.
- EBERHARD, W.G. & HUBER, B.A.** 2010. Spider genitalia: precise maneuvers with a numb structure in a complex lock. Pp. 249–284. In: Leonard, J.L. & Córdoba-Aguilar, A. (eds.) *Evolution of primary sexual characters in animals*. Oxford University Press, Oxford.
- EL-HENNAWY, H.K.** 2010. Hersiliidae of Sudan (Araneida: Hersiliidae). *Serket* 12: 23–31.
- EL-HENNAWY, H.K.** 2010. Notes on Spiders of Africa. *Serket* 12: 61–75.
- FANNES, W.** 2010. Redescription of *Cousinea keeleyi* Saaristo, 2001 (Araneae, Oonopidae), with the first description of the male. *Journal of Afrotropical Zoology* 6: 47–56.
- FANNES, W.** 2010. On *Melchisedec*, a new genus of the spider family Oonopidae (Araneae, Dysderoidea). *American Museum Novitates* 3702: 1–28.
- FRICK, H., NENTWIG, W. & KROPF, C.** 2010. Progress in erigonine spider phylogeny—the *Savignia*-group is not monophyletic (Araneae: Linyphiidae). *Organisms Diversity & Evolution* 10: 297–310.
- GAIGHER, R. & SAMWAYS, M.J.** 2010. Surface-active arthropods in organic vineyards, integrated vineyards and natural habitat in the Cape Floristic Region. *Journal of Insect Conservation* 14: 595–605.
- GALLON, R.C.** 2010. On some Southern African Harpactirinae, with notes on the eumenophorines *Pelinobius muticus* Karsch, 1885 and *Monocentropella* Strand, 1907 (Araneae, Theraphosidae). *Bulletin of the British arachnological Society* 15: 29–48.
- GALLON, R.C.** 2010. A new genus and species of Harpactirinae from coastal Angola (Araneae, Theraphosidae). *Bulletin of the British Arachnological Society* 15: 79–82.
- GIRIBET, G., VOGTA, L., PEREZ GONZALEZ, A., SHARMA, P. & KURY, A.B.** 2010. A multilocus approach to harvestman (Arachnida: Opiliones) phylogeny with emphasis on biogeography and the systematics of Laniatores. *Cladistics* 26: 408–437.

- HADDAD, C.R.** 2010. A new species of *Poachelas* from Maputaland, South Africa (Araneae: Corinnidae), with considerable range extension for *Poachelas striatus*. *African Invertebrates* 51: 313–319.
- HADDAD, C.R. & BOSSELAERS, J.** 2010. A revision of the genus *Medmassa* Simon, 1887 (Araneae: Corinnidae) in the Afrotropical Region. *Zootaxa* 2361: 1–12.
- HADDAD, C.R., HONIBALL, A.S., DIPPENAAR-SCHOEMAN, A.S., SLOTOW, R. & VAN RENSBURG, B.J.** 2010. Spiders (Arachnida: Araneae) as indicators of elephant-induced habitat changes in the Maputaland Centre of Endemism, South Africa. *African Journal of Ecology* 48: 446–460.
- HADDAD, C.R. & RUSSELL-SMITH, A.** 2010. A comparison of spider diversity patterns in the Mkomazi Game Reserve, Tanzania and the Ndumo Game Reserve, South Africa (Arachnida: Araneae). *African Journal of Ecology* 48: 418–427.
- JACKSON, R.R., SALM, K., NELSON, X.J.** 2010. Specialized prey selection behavior of two East African assassin bugs, *Scipinnia repax* and *Nagusta* sp. that prey on social jumping spiders. *Journal of Insect Science* 10(82): 1–19.
- JÄGER, P. & KUNZ, D.** 2010. *Palystes kreutzmanni* sp. n. – a new huntsman spider species from fynbos vegetation in Western Cape Province, South Africa (Araneae, Sparassidae, Palystinae). *ZooKeys* 67: 1–9.
- JÄGER, P. & RHEIMS, C.A.** 2010. First description of the female of *Sarotesius melanognathus* Pocock, 1898 (Araneae: Sparassidae: Palystinae). *Journal of Arachnology* 38: 368–370.
- JOCQUÉ, R.** 2010. On the identity of *Capheris approximata* (Karsch, 1878) (Araneae, Zodariidae). *Journal of Afrotropical Zoology* 6: 57–58.
- JONSSON, M., BELL, D. HJÄLTÉN, J., ROOKE, T. & SCOGINGS, P.F.** 2010. Do mammalian herbivores influence invertebrate communities via changes in the vegetation? Results from a preliminary survey in Kruger National Park, South Africa. *African Journal of Range & Forage Science* 27: 39–44.
- JUDSON, M.L.I.** 2010. Redescription of *Chelifer eucarpus* Dalman (Arachnida, Chelonethi, Withiidae) and first records of pseudoscorpions in copal from Madagascar and Colombia. *Palaeodiversity* 3: 33–42.
- KLANN, A.E. & ALBERTI, G.** 2010. Histological and ultrastructural characterization of the alimentary system of Solifuges (Arachnida, Solifugae). *Journal of Morphology* 271: 225–243.
- KUNTNER, M. & AGNARSSON, I.** 2010. Web gigantism in Darwin's bark spider, a new species from Madagascar (Araneidae: *Caerostris*). *Journal of Arachnology* 38: 346–356.
- KUNTNER, M., KRALJ-FIŠER, S. & GREGORIC, M.** 2010. Ladder webs in orb-web spiders: ontogenetic and evolutionary patterns in Nephilidae. *Biological Journal of the Linnean Society* 99: 849–866.
- KURY, A.B.** 2010. Opilionological Record – a chronicle of harvestman taxonomy. Part 1: 1758–1804. *Journal of Arachnology* 38: 521–529.
- LOPARDO, L., GIRIBET, G. & HORMIGA, G.** 2010. Morphology to the rescue: molecular data and the signal of morphological characters in combined phylogenetic analyses—a case study from mysmenid spiders (Araneae, Mysmenidae), with comments on the evolution of web architecture. *Cladistics* 26: 1–52.
- LOURENÇO, W.R.** 2010. A new species of *Butheoloides* Hirst, 1925 from Morocco (Scorpiones, Buthidae) *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg* 15: 183–189.
- LOURENÇO, W.R., DUHEM, B. & CLOUDSLEY-THOMPSON, J.L.** 2010. A new relictual buthid scorpion from the region of the Great Rift Valley in Kenya (Scorpiones, Buthidae). *Comptes Rendus Biologies* 333: 280–285.
- LOURENÇO, W.R. & YTHIER, E.** 2010. Another new species of *Pseudouroplectes* Lourenço, 1995 from Madagascar (Scorpiones, Buthidae). *ZooKeys* 48: 1–9.

- LOVELL, S.J., HAMER, M.L., SLOTOW, R.H. & HERBERT, D.** 2010. Assessment of sampling approaches for a multi-taxa invertebrate survey in a South African savanna-mosaic ecosystem. *Austral Ecology* 35: 357–370.
- LYLE, R. & HADDAD, C.R.** 2010. A revision of the tracheline sac spider genus *Cetonana* Strand, 1929 in the Afrotropical Region, with descriptions of two new genera (Araneae: Corinnidae). *African Invertebrates* 51: 321–384.
- MATTONI, C., OCHOA, J., OJANGUREN-AFFILASTRO, A. & PRENDINI, L.** 2010. Towards an all-species phylogeny of the scorpion family Bothriuridae. In: Szumik, C. & Goloboff, P. (eds.). A summit of cladistics: abstracts of the 27th Annual Meeting of the Willi Hennig Society and VIII Reunion Argentina de Cladística y Biogeografía. *Cladistics* 26: 216–217.
- MICHALIK, P., KNOFLACH, B., THALER, K. & ALBERTI, G.** 2010. Live for the moment—Adaptations in the male genital system of a sexually cannibalistic spider (Theridiidae, Araneae). *Tissue and Cell* 42: 32–36.
- MICHALIK, P. & MERCATI, D.** 2010. First investigation of the spermatozoa of a species of the superfamily Scorpionoidea (*Opisththalmus penrithorum*, Scorpionidae) with a revision of the evolutionary and phylogenetic implications of sperm structures in scorpions (Chelicerata, Scorpiones). *Journal of Zoological Systematics and Evolutionary Research* 48: 89–101.
- MILLER, J.A., CARMICHAEL, A., RAMIREZ, M.J., HADDAD, C.R., ŘEZÁČ, M., JOHANNESSEN, J., KRAL, J., WANG, X.P., SPAGNA, J.C. & GRISWOLD, C.E.** 2010. Phylogeny of entelegyne Spiders: affinities of the family Penestomidae (NEW RANK), generic phylogeny of Eresidae, and asymmetric rates of change in spinning organ evolution (Araneae, Araneoidea, Entelegynae). *Molecular Phylogenetics and Evolution* 55: 786–804.
- MILLER, J.A., GRISWOLD, C.E. & HADDAD, C.R.** 2010. Taxonomic revision of the spider family Penestomidae (Araneae, Entelegynae). *Zootaxa* 2534: 1–36.
- MUELELWA, M.I., FOORD, S.H., DIPPENAAR-SCHOEMAN, A.S. & STAM, E.M.** 2010. Towards a standardized and optimized protocol for rapid assessments: spider species richness and assemblage composition in two savanna vegetation types. *African Zoology* 45: 273–290.
- MUKHERJEE, A., WILSKE, B., NAVARRO, R.A., DIPPENAAR-SCHOEMAN, A.S. & UNDERHILL, L.G.** 2010. Association of spiders and lichen on Robben Island, South Africa: a case report. *Journal of Threatened Taxa* 2: 815–819.
- MURPHY, J.A. & RUSSELL-SMITH, A.** 2010. *Zelowan*, a new genus of African zelotine ground spiders (Araneae; Gnaphosidae). *Journal of Afrotropical Zoology* 6: 59–82.
- NICKEL, H., HORNUNG, J. & KOCH, M.** 2010. Scorpions of Morocco. Part 1. *Reptilia* 70: 45–51.
- NICKEL, H., HORNUNG, J. & KOCH, M.** 2010. Scorpions of Morocco. Part 2. *Reptilia* 71: 56–61.
- NZIGIDAHERA, B. & JOCQUÉ, R.** 2010. On new species of *Microdiores* (Araneae, Zodariidae) from Central and East Africa. *Zookeys* 48: 11–19.
- NZIGIDAHERA, B. & JOCQUÉ, R.** 2010. Two new species of *Cydrela* (Araneae, Zodariidae) extending the distribution of the genus into central Africa. *Zootaxa* 2578: 62–68.
- PLATNICK, N.I. & DUPERRÉ, N.** 2010. The goblin spider genera *Stenoonops* and *Australoonops* (Araneae, Oonopidae), with notes on related taxa. *Bulletin of the American Museum of Natural History* 340: 1–111.
- POLOTOW, D. & BRESCOVIT, A.D.** 2010. Phylogenetic relationships of the Neotropical spider genus *Itatiaya* (Araneae). *Zoologica Scripta* 40: 187–193.
- PRENDINI, L.** 2010. Order Scorpiones C.L. Koch, 1837. Pp. 321–330 In: Gerlach, J. & Marusik, Y. (eds.) *Arachnida and Myriapoda of the Seychelles Islands*. Siri Scientific Press, Manchester.
- PRENDINI, L. & ESPOSITO, L.A.** 2010. A reanalysis of *Parabuthus* (Scorpiones: Buthidae) phylogeny with descriptions of two new *Parabuthus* species endemic

- to the Central Namib gravel plains, Namibia. *Zoological Journal of the Linnean Society* 159: 673–710.
- PRINGLE, R.M., DOAK, D.F., BRODY, A.K., JOCQUÉ, R. & PALMER, T.M.** 2010. Spatial pattern enhances ecosystem functioning in an African savanna. *PLoS Biol* 8(5): e1000377.
- PRYKE, J.S. & SAMWAYS, M.J.** 2010. Significant variables for the conservation of mountain invertebrates. *Journal of Insect Conservation* 14: 247–256.
- REDDICK, K., WARUI, C.M. & WHARTON, R.** 2010. A new species of *Tarabulida* (Solifugae: Daesiidae) from Kenya, with the first complete description of a male of the genus. *Journal of Arachnology* 38: 495–503.
- REMIJSEN, Q., VERDONCK, F. & WILLEMS, J.** 2010. Parabutoporin, a cationic amphipathic peptide from scorpion venom: much more than an antibiotic. *Toxicon* 55: 180–185.
- RIX, M.G. & HARVEY, M.S.** 2010. The spider family Micropholcommatidae (Arachnida, Araneae, Araneoidea): a relimitation and revision at the generic level. *ZooKeys* 36: 1–321.
- SANTOS, R. & PRIETO, C.E.** 2010. Los Assamiidae (Opiliones: Assamiidae) de Río Muni (Guinea Ecuatorial), con la descripción de ocho nuevas especies. *Revista de Biología Tropical* 58: 203–243.
- SCHMIDT, G. & MATTHES, J.** 2010. An unusual shape of spermathecae in a *Harpactira atra* (Latreille, 1832) from South Africa (Araneae: Theraphosidae: Harpactirinae). *Tarantulas of the World* 142: 15–22.
- SCHMIDT, A.R., PERRICHOT, V., SVOJTKA, M., ANDERSON, K.B., BELETE, K.H., BUSSERT, R., DÖRFELT, H., JANCKE, S., MOHR, B., MOHRMANN, E., NASCIMBENE, P.C., NEL, A., NEL, P., RAGAZZI, E., ROGHI, G., SAUPE, E.E., SCHMIDT, K., SCHNEIDER, H., SELDEN, P.A. & VÁVRA, N.** 2010. Cretaceous African life captured in amber. *Proceedings of the National Academy of Sciences, U.S.A.* 107: 7329–7334.
- SENENIG, A., AGNARSSON, I. & BLACKLEDGE, T.** 2010. Behavioural and biomaterial co-evolution in spider orb webs. *Journal of Evolutionary Biology* 23: 1839–1856.
- SPAGNA, J.C., CREWS, S.C. & GILLESPIE, R.G.** 2010. Patterns of habitat affinity and Austral/Holarctic parallelism in dictynoid spiders (Araneae: Entelegynae). *Invertebrate Systematics* 24: 238–257.
- TALARICO, G. & MICHALIK, P.** 2010. Spermatozoa of an Old World Ricinulei (*Ricinoides karschii*, Ricinoidae) with notes about the relationships of Ricinulei within the Arachnida. *Tissue and Cell* 42: 383–390.
- TURIENZO P., DI IORIO O. & MAHNERT V.** 2010. Global checklist of pseudoscorpions (Arachnida) found in birds' nests. *Revue Suisse de Zoologie* 117: 557–598.
- UHL, G., NESSLER, S.H. & SCHNEIDER, J.M.** 2010. Securing paternity in spiders? A review on occurrence and effects of mating plugs and male genital mutilation. *Genetica* 138: 75–104.
- VAN AARDT, W.J. & LE ROUX, J.M.** 2010. The effect of temperature on the pH, d-lactate and haemocyanin oxygen affinity of *Opisthophthalmus latimanus* (Koch) (Scorpionidae) haemolymph. *African Entomology* 18: 29–37.
- VAN DER MEIJDEN, A., HERREL, A. & SUMMERS, S.** 2010. Comparison of chela size and pincer force in scorpions; getting a first grip. *Journal of Zoology* 280: 319–325.
- VAN NIEKERK, P. & DIPPENAAR-SCHOEMAN, A.S.** 2010. A revision of the spider genus *Simorcus* Simon, 1895 (Araneae: Thomisidae) of the Afrotropical Region. *African Entomology* 18: 66–86.
- VINCENT, L.S. & BREITMAN, T.** 2010. The scorpion *Cheloctonus jonesii* Pocock, 1892 (Scorpiones, Liochelidae) as a possible predator of the red-billed quelea, *Quelea quelea* (Linnaeus, 1758). *Bulletin of the British arachnological Society* 15: 59–60.

- WARBURG, M.R.** 2010. Reproductive system of female scorpion: a partial review. *Anatomical Record* 293: 1738–1754.
- WESOŁOWSKA, W.** 2010. A new species of *Phintella* from Angola (Araneae: Salticidae). *Genus* 21: 111–114.
- WESOŁOWSKA, W. & VAN HARTEN, A.** 2010. Order Araneae, family Salticidae, pp. 27–69. In: Van Harten, A. (ed.) *Arthropod fauna of the United Arab Emirates, Volume 3*. Abu Dhabi, Dar Al Ummah Printing.
- WILLEMART, R.H. & GIRIBET, G.** 2010. A scanning electron microscopic survey of the cuticle in Cyphophthalmi (Arachnida, Opiliones) with the description of novel sensory and glandular structures. *Zoomorphology* 129: 175–183.
- WILLEMART, R.H., PEREZ-GONZALEZ, A., FARINE, J.P. & GNASPINI, P.** 2010. Sexually dimorphic tegumental gland openings in Laniatores (Arachnida, Opiliones), with new data on 23 Species. *Journal of Morphology* 271: 641–653.
- ZOBEL-THROPP, P.A., BODNER, M.R. & BINFORD, G.J.** 2010. Comparative analyses of venoms from American and African *Sicarius* spiders that differ in sphingomyelinase D activity. *Toxicon* 55: 1274–1282.

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