



Publications related to African Arachnids – 2016

Please send any new additions to haddadcr@ufs.ac.za. Thank you!

- ADAMS, A.M., MARAIS, E., TURNER, J.S., PRENDINI, L. & PINSHOW, B.** 2016. Similar burrow architecture of three arid-zone scorpion species implies similar ecological function. *Naturwissenschaften* 103: 56.
- AGNARSSON, I., GOTELLI, N.J., AGOSTINI, D. & KUNTNER, M.** 2016. Limited role of character displacement in the coexistence of congeneric *Anelosimus* spiders in a Madagascan montane forest. *Ecography* 39: 743–753.
- ALAM, P., OTIENO, D., NUHAMUNADA, M., ANYANGO, R., ODOYO, J., ODHIAMBO, J. & ONYANGO, K.** 2016. The toughest recorded spider egg case silks are woven into composites with tearresistant architectures. *Materials Science and Engineering: C* 69: 195–199.
- ALIOUA, Y., BISSATI, S., KHERBOUCHE, O. & BOSMANS, R.** 2016. Spiders of Sebkhet El Melah (Northern Sahara, Algeria): Review and new records. *Serket* 15: 33–40.
- BERGER-TAL, R., BERNER-AHARON, N., AHARON, S., TUNI, C. & LUBIN, Y.** 2016. Good reasons to leave home: proximate dispersal cues in a social spider. *Journal of Animal Ecology* 85: 1035–1042.
- BERON, P.** 2016. Arachnogeographical comparison between West Palearctic and Afrotropical Areas. *Ecologica Montenegrina* 7: 464–506.
- CABRA-GARCÍA, J. & BRESCOVIT, A.D.** 2016. Revision and phylogenetic analysis of the orb-weaving spider genus *Glenognatha* Simon, 1887 (Araneae, Tetragnathidae). *Zootaxa* 4069: 1–183.
- CECCARELLI, F.S., HADDAD, C.R. & RAMÍREZ, M.J.** 2016. First record of endosymbiotic Rickettsiales (Alphaproteobacteria) from the spider genus *Amaurobioides* (Araneae: Anyphaenidae). *Journal of Arachnology* 44: 251–253.
- CECCARELLI, F.S., OPELL, B.D., HADDAD, C.R., RAVEN, R.J., SOTO, E.M. & RAMÍREZ, M.J.** 2016. Around the World in Eight Million Years: historical biogeography of the intertidal spider genus *Amaurobioides* (Araneae: Anyphaenidae). *PlosONE* 11: e0163740.
- CROSS, F.R.** 2016. Discrimination of draglines from potential mates by *Evarcha culicivora*, an East African jumping spider. *New Zealand Journal of Zoology* 43: 84–95.
- DA SILVA, J.M. & WILLOWS-MUNRO, S.** 2016. A review of over a decade of DNA barcoding in South Africa: a faunal perspective. *African Zoology* 51: 1–12.
- DAWIDOWICZ, A. & WESOŁOWSKA, W.** 2016. Jumping spiders (Araneae: Salticidae) of Kenya collected by Åke Holm. *Annales Zoologici (Warszawa)* 66: 437–466.
- EL-HENNAWY, H.K.** 2016. A note on *Oecobius amboseli* Shear & Benoit, 1974 (Araneae: Oecobiidae). *Serket* 15: 68–70.
- EL-HENNAWY, H.K., MOHAFEZ, M.A., EL-GENDY, A.A. & ZAHER, I.A.I.** 2016. The first record of *Ostearius melanopygus* (O. Pickard-Cambridge, 1879) and genus *Ostearius* Hull, 1911 (Araneae: Linyphiidae) in Egypt. *Serket* 15: 63–67.
- EL HIDAN, M.A., TOULOUN, O. & BOUMEZZOUGH, A.** 2016. New data on the diversity of scorpion fauna in the oases of south eastern Morocco. *Serket* 15: 1–7.

- FOORD, S.H. & DIPPENAAR-SCHOEMAN, A.S.** 2016. The effect of elevation and time on mountain spider diversity: a view of two aspects in the Cederberg mountains of South Africa. *Journal of Biogeography* 43: 2354–2365.
- FOORD, S.H., DIPPENAAR-SCHOEMAN, A.S., JOCQUÉ, R., HADDAD, C.R., LYLE, R. & WEBB, P.** 2016. South African National Survey of Arachnida: A checklist of the spiders (Arachnida, Araneae) of the Lekgalameetse Nature Reserve, Limpopo Province, South Africa. *Koedoe* 58(#a1405): 1–8.
- GAIGHER, R., PRYKE, J.S. & SAMWAYS, M.J.** 2016. Old fields increase habitat heterogeneity for arthropod natural enemies in an agricultural mosaic. *Agriculture, Ecosystems and Environment* 230: 242–250.
- GARRISON, N.L., RODRIGUEZ, J., AGNARSSON, I., CODDINGTON, J.A., GRISWOLD, C.E., HAMILTON, C.A., HEDIN, M., KOCOT, K.M., LEDFORD, J.M. & BOND, J.E.** 2016. Spider phylogenomics: untangling the Spider Tree of Life. *PeerJ* 4:e1719.
- GIRIBET, G., BOYER, S.L., BAKER, C.M., FERNANDEZ, R., SHARMA, P.P., DE BIVORT, B.L., DANIELS, S.R., HARVEY, M.S. & GRISWOLD, C.E.** 2016. A molecular phylogeny of the temperate Gondwanan family Pettalidae (Arachnida, Opiliones, Cyphophthalmi) and the limits of taxonomic sampling. *Zoological Journal of the Linnean Society* 178: 523–545.
- GREGORIČ, M., ŠUEN, K., CHENG, R.C., KRALJ-FIŠER, S. & KUNTNER, M.** 2016. Spider sexual behaviors include oral sexual encounters. *Scientific Reports* 6: 25128.
- GRISMADO, C.J. & PIZARRO-ARAYA, J.** 2016. The spider genus *Cyrioceta* Simon on Chañaral Island (Pingüino de Humboldt National Reserve, Atacama, Chile): description of a new species, and the male of *Cyrioceta cruz* Platnick (Araneae, Zodariidae). *Zootaxa* 4107: 267–276.
- HADDAD, C.R.** 2016. Diversity and ecology of spider assemblages associated with *Vachellia xanthophloea* bark in a South African reserve (Arachnida: Araneae). *African Entomology* 24: 321–333.
- HARRISON, S.E., RIX, M.G., HARVEY, M.S. & AUSTIN, A.D.** 2016. An African mygalomorph lineage in temperate Australia: the trapdoor spider genus *Moggridgea* (Araneae: Migidae) on Kangaroo Island, South Australia. *Austral Entomology* 55: 208–216.
- HERZIG, V., IKONOMOPOULOU, M., SMITH, J.J., DZIEMBOROWICZ, S., GILCHRIST, J., KUHN-NENTWIG, L., REZENDE, F.O., MOREIRA, L.A., NICHOLSON, G.M., BOSMANS, F. & KING, G.F.** 2016. Molecular basis of the remarkable species selectivity of an insecticidal sodium channel toxin from the African spider *Augacephalus ezendami*. *Scientific Reports* 6: 29538.
- HARVEY, M.S., HUEY, J., HILLYER, M., MCINTYRE, E. & GIRIBET, G.** 2016. The first troglobitic species of Gymnobiidae (Pseudoscorpiones, Neobisioidea), from Table Mountain (Western Cape Province, South Africa) and its phylogenetic position. *Invertebrate Systematics* 30: 75–85.
- JACQUOT, M., DEREPAS, B. & DEGUINE, J.-P.** 2016. Seven newly recorded species and families of spiders from Reunion Island (Madagascar region) (Araneae, Araneomorphae). *Bulletin de la Société Entomologique de France* 121: 421–430.
- KEISER, C.N., PINTER-WOLLMAN, N., AUGUSTINE, D.A., ZIEMBA, M.J., HAO, L., LAWRENCE, J.G. & PRUITT, J.N.** 2016. Individual differences in boldness influence patterns of social interactions and the transmission of cuticular bacteria among group-mates. *Proceedings of the Royal Society B* 283: 20160457.
- KEISER, C.N., SHEARER, T.A., DEMARCO, A.E., BRITTINGHAM, H.A., KNUTSON, K.A., KUO, C., ZHAO, K. & PRUITT, J.N.** 2016. Cuticular bacteria appear detrimental to social spiders in mixed but not monoculture exposure. *Current Zoology* 62: 377–384.
- KEISER, C.N., WRIGHT, C.M. & PRUITT, J.N.** 2016. Increased bacterial load can reduce or negate the effects of keystone individuals on group collective behaviour. *Animal Behaviour* 114: 211–218.
- KOVARÍK, F., LOWE, G., HOFEREK, D., PLÍŠKOVÁ, J. & ŠTÁHLAVSKÝ, F.** 2016. Scorpions of Ethiopia. Part IV. Genus *Uroplectes* Peters, 1861 (Scorpiones: Buthidae). *Euscorpius* 217: 1–14.

- KOVÁŘÍK, F., LOWE, G., PLÍŠKOVÁ, J. & ŠTÁHLAVSKÝ, F.** 2016. Scorpions of the Horn of Africa (Arachnida: Scorpiones). Part VI. *Compsobuthus* Vachon, 1949 (Buthidae), with a description of *C. eritreaensis* sp. n. *Euscorpius* 226: 1–21.
- KOVÁŘÍK, F., LOWE, G., PLÍŠKOVÁ, J. & ŠTÁHLAVSKÝ, F.** 2016. Scorpions of the Horn of Africa (Arachnida: Scorpiones). Part VII. *Parabuthus* Pocock, 1890 (Buthidae), with description of *P. hamar* sp. n. and *P. kajibu* sp. n. from Ethiopia. *Euscorpius* 228: 1–58.
- KOVÁŘÍK, F., LOWE, G. & ŠTÁHLAVSKÝ, F.** 2016. Review of Northwestern African *Buthacus*, with description of *Buthacus stockmanni* sp. n. from Morocco and Western Sahara (Scorpiones, Buthidae). *Euscorpius* 236: 1–18.
- KOVÁŘÍK, F., LOWE, G. & ŠTÁHLAVSKÝ, F.** 2016. Scorpions of the Horn of Africa (Arachnida: Scorpiones). Part IX. *Lanzatus*, *Orthochirus*, and *Somalicharmus* (Buthidae), with description of *Lanzatus somalilandus* sp. n. and *Orthochirus afar* sp. n. *Euscorpius* 232: 1–38.
- LASKOWSKI, K.L., MONTIGLIO, P.-O. & PRUITT, J.N.** 2016. Individual and group performance suffers from social niche disruption. *The American Naturalist* 187: 776–785.
- LEHTINEN, P.T.** 2016. Significance of oriental taxa in phylogeny of crab spiders (Thomisidae s.lat. and Stiphropodidae). *Indian Journal of Arachnology* 5: 143–171.
- LIN, Y., BALLARIN, F. & LI, S.** 2016. A survey of the spider family Nesticidae (Arachnida, Araneae) in Asia and Madagascar, with the description of forty-three new species. *ZooKeys* 627: 1–168.
- LISSNER, J. & CHATZAKI, M.** 2016. First records of *Poecilochroa taborensis* Levy, 1999 (Araneae: Gnaphosidae) from Greece and Cyprus with notes on some closely related species. *Nieuwsbrief SPINED* 36: 16–21.
- LOURENCO, W.R.** 2016. Scorpion incidents, misidentification cases and possible implications for the final interpretation of results. *Journal of Venomous Animals and Toxins including Tropical Diseases* 22: 21.
- LOURENCO, W.R. & WILME, L.** 2016. Three new species of *Grosphus* Simon 1880, (Scorpiones: Buthidae) from Madagascar; possible vicariant cases within the *Grosphus bistriatus* group of species. *Madagascar Conservation & Development* 11: 1–14.
- MADDISON, W.P., MADDISON, D.R., ZHANG, J. & SZÜTS, T.** 2016. Phylogenetic placement of the unusual jumping spider *Depreissia* Lessert, and a new synapomorphy uniting Hisponinae and Salticinae (Araneae, Salticidae). *ZooKeys* 549: 1–12.
- MADURGA, R., PLAZA, G.R., BLACKLEDGE, T.A., GUINEA, G.V., ELICES, M. & PÉREZ-RIGUEIRO, J.** 2016. Material properties of evolutionary diverse spider silks described by variation in a single structural parameter. *Scientific Reports* 6: 18991.
- MAQUART, P.O., RÉVEILLION, F., PRENDINI, L., BURGER, M., FISHER, B.L. & VAN NOORT, S.** 2016. New distribution records for African whip spiders (Arachnida: Amblypygi). *African Entomology* 24: 245–246.
- NDUWARUGIRA, D., JOCQUÉ, R., HAVYARIMANA, F., MPAWENAYO, B. & ROISIN, Y.** 2016. Role of termite mounds on the distribution of spiders in miombo woodland of south-western Burundi. *Arachnology* 17: 28–38.
- NEUMANN, R. & SCHNEIDER, J.M.** 2016. Socially cued developmental plasticity in web-building spiders. *BMC Evolutionary Biology* 16: 170.
- NIBA, A.S. & YEKWAYO, I.** 2016. Epigaeic invertebrate community structure in two subtropical nature reserves, Eastern Cape, South Africa: Implications for conservation management. *Arachnologische Mitteilungen* 52: 7–15.
- NYFFELER, M.** 2016. Phytophagy in jumping spiders: The vegetarian side of a group of insectivorous predators. *Peckhamia* 137: 1–17.
- NYFFELER, M., OLSON, E.J. & SYMONDS, W.O.C.** 2016. Plant-eating by spiders. 2016. *Journal of Arachnology* 44: 15–27.
- PINTER-WOLLMAN, N., KEISER, C.N., WOLLMAN, R. & PRUITT, J.N.** 2016. The effect of keystone individuals on collective outcomes can be mediated through interactions or behavioral persistence. *The American Naturalist* 188: 240–252.
- POLOTOW, D. & JOCQUÉ, R.** 2016. Description of a new species of the Afrotropical spider genus *Afroneutria* (Araneae, Ctenidae). *Zootaxa* 4205: 395–400.

- PREIK, O.A., SCHNEIDER, J.A., UHL, G. & MICHALIK, P.** 2016. Transition from monogyny to polygyny in *Nephila senegalensis* (Araneae: Nephilidae) is not accompanied by increased investment in sperm. *Biological Journal of the Linnean Society* 119: 1027–1035.
- PRENDINI, L.** 2016. Redefinition and systematic revision of the East African scorpion genus *Pandinoides* (Scorpiones: Scorpionidae) with critique of the taxonomy of *Pandinus*, *sensu lato*. *Bulletin of the American Museum of Natural History* 407: 1–67.
- PRÓSZYŃSKI, J.** 2016. Delimitation and description of 19 new genera, a subgenus and a species of Salticidae (Araneae) of the world. *Ecologica Montenegrina* 7: 4–32.
- PRUITT, J.N., WRIGHT, C.M., KEISER, C.N., DEMARCO, A.E., GROBIS, M.M. & PINTER-WOLLMAN, N.** 2016. The Achilles' heel hypothesis: misinformed keystone individuals impair collective learning and reduce group success. *Proceedings of the Royal Society B* 283: 20152888.
- QUIÑONES-LEBRÓN, S.G., KRALJ-FIŠER, S., GREGORIČ, M., LOKOVŠEK, T., ČANDEK, K., HADDAD, C.R. & KUNTNER, M.** 2016. Potential costs of heterospecific sexual interactions in golden orbweb spiders (*Nephila* spp.). *Scientific Reports* 6(#36908): 1–6.
- SEITER, M., SCHRAMM, F.D. & BARTHEL, A.** 2016. The South African scorpion *Pseudolychas ochraceus* (Hirst, 1911) (Scorpiones: Buthidae) can reproduce by parthenogenesis. *Journal of Arachnology* 44: 85–87.
- SETTEPANI, V., BECHSGAARD, J. & BILDE, T.** 2016. Phylogenetic analysis suggests that sociality is associated with reduced effectiveness of selection. *Ecology and Evolution* 6: 469–477.
- SHARMA, P.P., SANTIAGO, M.A., KRIEBEL, R., LIPPS, S.M., BUENAVENTE, P.A.C., DIESMOS, A.C., JANDA, M., BOYER, S.L., CLOUSE, R.M. & WHEELER, W.C.** 2017. A multilocus phylogeny of Podoctidae (Arachnida, Opiliones, Laniatores) and parametric shape analysis reveal the disutility of subfamilial nomenclature in armored harvestman systematics. *Molecular Phylogenetics and Evolution* 106: 164–173.
- SVOJANOVSKÁ, H., NGUYEN, P., HIØMAN, M., TUF, I.H., WAHAB, R.A., HADDAD, C.R. & ŠTÁHLAVSKÝ, F.** 2016. Karyotype evolution in harvestmen of the suborder Cyphophthalmi (Opiliones). *Cytogenetic and Genome Research* 148: 227–236.
- TOULOUN, O., EL HIDAN, M.A. & BOUMEZZOUGH, A.** 2016. Species composition and geographical distribution of Saharan scorpion fauna, Morocco. *Asian Pacific Journal of Tropical Disease* 6: 878–881.
- TOULOUN, O., EL HIDAN, M.A. & BOUMEZZOUGH, A.** 2016. New data on the distribution of *Butheoloides littoralis* Lourenço, Touloun et Boumezzough, 2011 (Scorpiones: Buthidae). *Euscorpius* 219: 1–4.
- VANTHOURNOUT, B., GREVE, M., BRUUN, A., BECHSGAARD, J., OVERGAARD, J. & BILDE, T.** 2016. Benefits of group living include increased feeding efficiency and lower mass loss during desiccation in the social and inbreeding spider *Stegodyphus dumicola*. *Frontiers in Physiology* 7: 18.
- WOLFF, J.O., SCHÖNHOFER, A.L., MARTENS, J., WIJNHOVEN, H., TAYLOR, C.K. & GORB, S.N.** 2016. The evolution of pedipalps and glandular hairs as predatory devices in harvestmen (Arachnida, Opiliones). *Zoological Journal of the Linnean Society* 177: 558–601.
- WRIGHT, C.M., KEISER, C.N. & PRUITT, J.N.** 2016. Colony personality composition alters colony-level plasticity and magnitude of defensive behaviour in a social spider. *Animal Behaviour* 115: 175–183.
- YEKWAYO, I., PRYKE, J.S., ROETS, F. & SAMWAYS, M.J.** 2016. Conserving a variety of ancient forest patches maintains historic arthropod diversity. *Biodiversity and Conservation* 25: 887–903.
- ZONSTEIN, S.L.** 2016. New data on the spider genus *Pionothele* (Araneae: Nemesiidae), with description of a new species from South Africa. *Israel Journal of Entomology* 46: 31–42.
- ZONSTEIN, S.L.** 2016. A redescription and synonymy of North African mygalomorph *Iberesia barbara* (Lucas, 1846), comb. n. (Aranei: Nemesiidae). *Arthropoda Selecta* 25: 385–393.

ZONSTEIN, S.L., MARUSIK, Y.M. & OMELKO, M.M. 2016. Redescription of the type species of *Diaphorocellus* Simon, 1893 (Araneae, Palpimanidae, Chediminae). *African Invertebrates* 57: 93–103.

Last update: 30 November 2017.