



Publications related to African Arachnids – 2021

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- BIRD, T.L., VAN RENSBURG, R. & DIPPENAAR-SCHOEMAN, A.S.** 2021. Medically important spider bites in southern Africa. *South African General Practitioner* 2: 112-117.
- BALLESTEROS, J.A. & HORMIGA, G.** 2021. Molecular phylogeny of the orb-weaving spider genus *Leucauge* and the intergeneric relationships of Leucauginae (Araneae, Tetragnathidae). *Invertebrate Systematics* 35: 922–939.
- BATES, M.F. & JOSLING, N.** 2021. First record of a pholcid spider (Arachnida: Araneae) feeding on a reptile in South Africa. *African Journal of Ecology* 59: 521–523.
- BOOYSEN, R. & HADDAD, C.R.** 2021. Revision and molecular phylogeny of the spider genus *Micaria* Westring, 1851 (Araneae: Gnaphosidae) in the Afrotropical Region. *Zootaxa* 4940: 1–82.
- BOOYSEN, R. & HADDAD, C.R.** 2021. Season determines the efficiency of a rapid sampling protocol for non-acarine arachnids (Chelicerata: Arachnida) in Afrotropical grassland biotopes. *Austral Entomology* 60: 682–697.
- BOSMANS, R. & HERVÉ, C.** 2021. Less is more: eight new synonyms in Mediterranean spiders (Araneae), with a new *Pelecopsis* species from Tunisia (Linyphiidae). *Arachnologische Mitteilungen* 61: 58–64.
- BOTERO-TRUJILLO, R., SAIN, C.E. & PRENDINI, L.** 2021. Systematics of the “Giant” Ricinulei (Ricinoididae: Ricinoides) of West Africa, with descriptions of five new species and comparative morphology of the male copulatory apparatus. *Bulletin of the American Museum of Natural History* 448: 1–68.
- BOUSEKSOU, S., ABROUS-KHERBOUCHE, A., BOSMANS, R. & BELADJAL, L.** 2021. Description of a new species of the genus *Zodarion* Walckenaer, 1826 (Araneae, Zodariidae) from Algeria. *Zootaxa* 4915: 594–600.
- CAIN, S., GEFEN, E. & PRENDINI, L.** 2021. Systematic revision of the sand scorpions, genus *Buthacus* Birula, 1908 (Buthidae C.L. Koch, 1837) of the Levant, with redescription of *Buthacus arenicola* (Simon, 1885) from Algeria and Tunisia. *Bulletin of the American Museum of Natural History* 450: 1–134.
- CHIKOWORE, G., MARTIN, G.D. & CHIDAWANYIKA, F.** 2021. An assessment of the invasive alien tree, *Robinia pseudoacacia* canopy traits and its effect on grassland microclimates and subsequent arthropod assemblages. *Journal of Insect Conservation* 25: 429–439.
- DE MÉVERGNIES, T.N., CHAILLEUX, A. & DETRAIN, A.** 2021. The African weaver ant has no negative impact on spiders in mango orchards of Senegal. *African Journal of Ecology* 60: 113–120.
- DERKARABETIAN, S., BAKER, C.M. & GIRIBET, G.** 2021. Complex patterns of Gondwanan biogeography revealed in a dispersal-limited arachnid. *Journal of Biogeography* 48: 1336–1352.
- DERKARABETIAN, S., BAKER, C.M., PRIETO, C., HEDIN, M. & GIRIBET, G.** 2021. Phylogenomic reevaluation of Triaenonychoidea (Opiliones, Laniatores), and

systematics of Triaenonychidae, including two new families. *Invertebrate Systematics* 35: 133–157.

- DIPPENAAR-SCHOEMAN, A.S., HADDAD, C.R., VAN ZYL, J. & WEBB, P.** 2021. First record of *Eriovixia excelsa* (Simon, 1889) from South Africa (Araneae: Araneidae). *SANSA Newsletter* 39(Supplement): 21–23.
- DIPPENAAR-SCHOEMAN, A.S., LOTZ, L.N. & BIRD, T.L.** 2021. A review of the spider species *Cheiracanthium furculatum* (Araneae: Cheiracanthiidae). *SANSA Newsletter* 39(Supplement): 8–13.
- DIPPENAAR-SCHOEMAN, A.S. & WHITAKER, J.** 2021. More on the smallest crab spiders in Africa (Araneae: Thomisidae: *Parabomis*). *SANSA Newsletter* 37(Supplement): 25–28.
- DU PLESSIS, C.E. & REUTER, H.** 2021. Cytotoxic spider bites – cases of mistaken identity. *South African General Practitioner* 2: 137–142.
- EICHHOFF, A., DIPPENAAR-SCHOEMAN, A. S. & LUYT, J.** 2021. Notes on the crevice-weaving spider *Andoharano ansieae* Zonstein & Marusik, 2015 in southern Africa (Araneae: Filistatidae). *SANSA Newsletter* 39(Supplement): 24–25.
- EL-HENNAWY, H.K.** 2021. The first record of *Rothus aethiopicus* (Pavesi, 1883) (Araneae: Pisauridae) in Egypt and North Africa. *Serket* 18: 229–237.
- EL-HENNAWY, H.K., SALLAM, G.M.E., EL-AZIM, N.A.I.A. & FADL, H.A.A.A.** 2021. The first record of *Minosiella pallida* (L. Koch, 1875) (Araneae: Gnaphosidae) in Egypt. *Serket* 18: 176–185.
- FOLEY, S., KREHENWINKEL, H., CHENG, D.Q. & PIEL, W.H.** 2021. Phylogenomic analyses reveal a Gondwanan origin and repeated out of India colonizations into Asia by tarantulas (Araneae: Theraphosidae). *PeerJ* 9: e11162.
- GALLOWAY, A.D., SEYMOUR, C.L., GAIGHER, R. & PRYKE, J.S.** 2021. Organic farming promotes arthropod predators, but this depends on neighbouring patches of natural vegetation. *Agriculture, Ecosystems & Environment* 310: 107295.
- GELDENHUYS, M., GAIGHER, R., PRYKE, J.S. & SAMWAYS, M.J.** 2021. Diverse herbaceous cover crops promote vineyard arthropod diversity across different management regimes. *Agriculture, Ecosystems and Environment* 307: 107222.
- HADDAD, C.R.** 2021. Rediscovery and redescription of *Rhene cooperi* Lessert, 1925 (Araneae: Salticidae), another possible mimic of scale insects. *Arthropoda Selecta* 30: 546–550.
- HADDAD, C.R.** 2021. *Griswoldella* gen. nov., a new castianeirine spider genus from Madagascar (Araneae: Corinnidae). *Arachnology* 18: 859–866.
- HADDAD, C.R.** 2021. Undergraduate entomology field excursions are a valuable source of biodiversity data: a case for spider (Araneae) bycatches in ecological studies. *Biodiversity and Conservation* 30: 4199–4222.
- HADDAD, C.R. & FOORD, S.H.** 2021. Future climate may limit the spread of the Australian house spider *Badumna longinqua* (Araneae: Desidae) in South Africa. *Journal of Arachnology* 49: 332–339.
- HADDAD, C.R., FOORD, S.H. & WHITEHEAD, L.** 2021. Tussock parameters, landuse type and drought variably influence spiders associated with *Hyparrhenia hirta* grass tussocks. *African Entomology* 29: 150–164.
- HADDAD, C.R., JIN, C., PLATNICK, N.I. & BOOYSEN, R.** 2021. *Capobula*, a new Afrotropical dark sac spider genus related to *Orthobula* Simon, 1897 (Araneae: Trachelidae). *Zootaxa* 4942: 41–71.
- HTUT, K.Z., ALICEA-SERRANO, A.M., SINGLA, S., AGNARSSON, I., GARB, J.E., KUNTNER, M., GREGORIĆ, M., HANEY, R.A., MARHABAIE, M., BLACKLEDGE, T. A. & DHINOJWALA, A.** 2021. Correlation between protein secondary structure and mechanical performance for the ultra-tough dragline silk of Darwin's bark spider. *Journal of the Royal Society Interface*: 1820210320.
- HUBER, B.A.** 2021. Beyond size: sexual dimorphisms in pholcid spiders. *Arachnology* 18: 656–677.
- HUBER, B.A.** 2021. First northwest African species of the spider genus *Artema*, from caves in Morocco, with notes on body size in pholcid spiders (Araneae: Pholcidae). *Zootaxa* 4984: 324–334.

- HUBER, B.A. & EBERLE, J.** 2021. Mining a photo library: Eggs and egg sacs in a major spider family. *Invertebrate Biology* 140: 12349.
- JÄGER, P.** 2021. Enigmatic "love bites" and an indirect mating plug: revision of *Thunberga* Jäger, 2020 with description of new species (Araneae: Sparassidae: Heteropodinae). *Arachnology* 187: 718–765.
- JÄGER, P.** 2021. Two new enigmatic genera of huntsman spiders from Madagascar (Araneae: Sparassidae). *Zootaxa* 4984: 335–346.
- JÄGER, P., ARNEDE, M.A., AZEVEDO, G.H.F., BAEHR, B., BONALDO, A.B., HADDAD, C.R., HARMS, D., HORMIGA, G., LABARQUE, F.M., MUSTER, C., RAMÍREZ, M.J. & SANTOS, A.** 2021. Twenty years, eight legs, one concept: describing spider biodiversity in Zootaxa (Arachnida: Araneae). *Zootaxa* 4979: 131–146.
- JOCQUÉ, R. & JOCQUÉ, M.** 2021. A new species of *Katableps* (Araneae: Lycosidae) from a remnant forest patch on Madagascar. *Arachnology* 18: 1013–1016.
- JUAKALY, J.-L.M. & JOCQUÉ, R.** 2021. Resilience of epigeal spiders (Araneae) after clearfelling for agriculture in a Central African rainforest. *Arachnology* 18: 849–858.
- KIOKO, G.M., MARUSIK, Y.M., LI, S.Q., KIOKO, E.N. & JI, L.Q.** 2021. Checklist of the spiders (Araneae) of Kenya. *African Invertebrates* 62: 49–229.
- KOVARIK, F. & LOWE, G.** 2021. Scorpions of the Horn of Africa (Arachnida: Scorpiones). Part XXVI. Records of *Hottentotta polystictus* (Pocock, 1896), with descriptions of *H. haudensis* sp.n. and *H. nigrimontanus* sp.n. (Buthidae) from Somaliland. *Euscorpius* 330: 1–28.
- KOVARIK, F. & LOWE, G.**, 2021b. Scorpions of the Horn of Africa (Arachnida: Scorpiones). Part XXVII. *Lanzatus huluul* sp.n. from Somaliland (Buthidae). *Euscorpius* 344: 1–11.
- KOVARIK, F. & NJOROGI, L.** 2021. *Somalibuthus sabae* sp.n., a new buthid scorpion from Kenya (Scorpiones: Buthidae). *Euscorpius* 332: 1–19.
- LISSOWSKY, N., KRALJ-FIŠER, S. & SCHNEIDER, J.M.** 2021. Giant and dwarf females: how to explain the fourfold variation in body size and fecundity in *Trichonephila senegalensis* (Aranea: Nephilidae). *Biological Journal of the Linnean Society* 133: 1016–1030.
- LIU, J.X., XU, X., HORMIGA, G. & YIN, H.Q.** 2021. New species of the pirate spider genus *Mimetus* Hentz, 1832 from China with a cladistic hypothesis on their phylogenetic placement (Araneae, Mimetidae). *Zootaxa* 5020: 1–30.
- LOGUNOV, D.V.** 2021. On three species of *Plexippoides* Prószyński, 1984 (Araneae: Salticidae) from the Mediterranean, the Middle East, and Central Asia, with notes on a taxonomic validity of the genus. *Arachnology* 18: 766–777.
- LOURENÇO, W.R.** 2021. The true status of the specimen belonging to the genus *Orthochirus* Karsch, 1891 (Scorpiones: Buthidae) from Aguelhok (Aguel'hoc), Mali. *Revista Ibérica de Aracnologia* 38: 99–102.
- LOURENÇO, W.R.** 2021. A new species of *Leiurus* Ehrenberg (Scorpiones: Buthidae) from Nigeria, with extension of the distribution range of the genus to the Southwestern portion of the African continent. *Serket* 18: 1–10.
- LOURENÇO, W.R.** 2021. A further new species for the Malagasy genus *Pseudouroplectes* Lourenço, 1995 (Scorpiones: Buthidae). *Faunitaxys* 9: 41.
- LOURENÇO, W.R. & EL-HENNAWY, H.** 2021. New considerations on the *Leiurus* Ehrenberg (Scorpiones: Buthidae) distributed in Africa and description of a particular species from Egypt. *Serket* 17: 325–334.
- LOURENÇO, W.R. & SADINE, S.E.** 2021. The genus *Orthochirus* Karsch, 1891 in Algeria with description of a new species (Scorpiones, Buthidae). *Bulletin de la Société entomologique de France* 126: 175–181.
- LOURENÇO, W.R. & YTHIER, E.** 2021. A particular new species of *Orthochirus* Karsch, 1891 from Somalia (Scorpiones: Buthidae). *Serket* 17: 335–349.
- MARUSIK, Y.M. & NADOLNY, A.A.** 2021. Redescription of *Hippasa deserticola*, the northernmost species of *Hippasa* (Aranei: Lycosidae), with taxonomic notes on other species of the genus. *Zoosystematica Rossica* 30: 222–235.
- MASSA, M. & RIBERA, C.** 2021. The Mediterranean species of genus *Loxosceles* Heineken & Lowe, 1832 (Araneae: Sicariidae): *Loxosceles imazighen* sp. n. from Morocco and

- first description of the female of *L. mrazig* Ribera & Planas, 2009 from Tunisia. *Zootaxa* 5071: 326–348.
- MICHÁLEK, O., PEKÁR, S. & HADDAD, C.R.** 2021. Fundamental trophic niche of two prey-specialized jumping spiders, *Cyrba algerina* and *Heliophanus termitophagus* (Araneae: Salticidae). *Journal of Arachnology* 49: 268–271.
- NYFFELER, M. & GIBBONS, J.W.** 2021. Spiders (Arachnida: Araneae) feeding on snakes (Reptilia: Squamata). *Journal of Arachnology* 49: 1–27.
- OKETCH, D.A, KIOKO, E.N. & LI, S.Q.** 2021. Three new species of the genus *Toxoniella* (Araneae, Liocranidae) from Mount Kenya National Park, Kenya. *African Invertebrates* 62: 273–286.
- PÉREZ-GONZÁLEZ, A., ACOSTA, L.E., PROUD, D.N. & SHULTZ, J.W.** 2021. Harvestmen in the first twenty years: a scientometric analysis of Zootaxa's contribution to opilionology (Arthropoda, Arachnida, Opiliones). *Zootaxa* 4979: 102–114.
- QUIÑONES-LEBRÓN, S.G., KUNTNER, M. & KRALJ-FIŠER, S.** 2021. The effect of genetics, diet, and social environment on adult male size in a sexually dimorphic spider. *Evolutionary Ecology* 35: 217–234.
- RÍOS-TAMAYO, D., ENGELBRECHT, I. & GOLOBOFF, P.A.** 2021. A revision of the genus *Hermacha* Simon, 1889 (Mygalomorphae: Entypesidae), in southern Africa with revalidation of *Hermachola* Hewitt, 1915, and *Brachytheliscus* Pocock, 1902. *American Museum Novitates* 3977: 1–80.
- RIX, M.G., WOOD, H.M., HARVEY, M.S. & MICHALIK, P.** 2021. Micro-computed tomography reveals a remarkable twin intromittent organ in spiders – a novelty for arachnids with direct sperm transfer. *Frontiers in Ecology and Evolution* 9: 794708.
- RUEDA, A., LOZANO, D., MUÑOZ-CHARRY, V., VELÁSQUEZ-VÉLEZ, M.I., AMÉZQUITA, A., PARRA, D. & REALPE, E.** 2021. Phylogeny of the genus *Latrodectus* (Araneae: Theridiidae) and two new species from the dry forests in the Magdalena Valley-Colombia. *Species* 22: 243–265.
- SCHOEMAN, C.S. & FOORD, S.H.** 2021. Buffer zones maximize invertebrate conservation in a Biosphere Reserve. *Journal of Insect Conservation* 25: 597–609.
- SCHULT, J., PREIK, O. & KIRSCHNER, S.** 2021. The importance of biosemiotics for morphology. *Biosemiotics* 14: 167–179.
- SEGOVIA, J.M.G. & PEKÁR, S.** 2021. Relationship between model noxiousness and mimetic accuracy in myrmecomorphic spiders. *Evolutionary Ecology*
- ŠET, J., TURK, E., GOLOBINEK, R., LOKOVŠEK, T., GREGORIĆ, M., QUIÑONES LEBRÓN, S.G., KUNTNER, M., HADDAD, C.R., ČANDEK, K. & KRALJ-FIŠER, S.** 2021. Sex-specific developmental trajectories in an extremely sexually size dimorphic spider. *The Science of Nature* 108: 54.
- SZÚTS, T. & MADDISON, W.P.** 2021. New species of the monotypic thiratoscirtine genera *Ajaraneola* and *Nimbarus* (Araneae: Salticidae: Aelurillini: Thiratoscirtina). *Zootaxa* 4915: 119–126.
- TURK, E., KRALJ-FIŠER, S. & KUNTNER, M.** 2021. Exploring diversification drivers in golden orbweavers. *Scientific Reports* 11: 9248.
- VAN SCHALKWYK, J., PRYKE, J.S., SAMWAYS, M.J. & GAIGHER, R.** 2021. Maintaining high vegetation structural diversity in the landscape promotes arthropod diversity in dynamic production areas. *Landscape Ecology* 36: 1773–1785.
- VISSER, J.H. & GEERTS, S.** 2021. Static allometry and sexual dimorphism in the Striped Lesser-thicktail Scorpion *Uroplectes lineatus*. *Arachnology* 18: 700–707.
- VISSER, J.H. & GEERTS, S.** 2021. Sexual dimorphism and static allometry in the South African scorpion *Opisthophthalmus karrooensis*. *Arachnology* 18: 1057–1063.
- VISSER, J.H., GEERTS, S. & JANSEN VAN VUUREN, B.** 2021. Phylogeographic patterns in a semi-lithophilous burrowing scorpion, *Opisthophthalmus pallipes*, from South Africa. *Zoological Science* 38: 36–44.
- WESOŁOWSKA, W.** 2021. Five new jumping spiders from Nigeria (Araneae: Salticidae: Thiratoscirtina). *Arachnology* 18: 998–1005.
- WESOŁOWSKA, W. & SZÚTS, T.** 2021. A revision of the genus *Pochyta* Simon, with descriptions of new species (Araneae: Salticidae: Thiratoscirtina). *Zootaxa* 5052: 1–41.

- WIESE, L. & DIPPENAAR-SCHOEMAN, A.S.** 2021. Notes on the rare nursery-web spider *Walrencea globosa* Blandin, 1979 in South Africa (Araneae: Pisauridae). *SANSA Newsletter* 39(Supplement): 19–20.
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- YTHIER, E.** 2021. A new species of *Androctonus* Ehrenberg, 1828 from the Sahelian wooded steppes of Burkina Faso (Scorpiones: Buthidae). *Faunitaxys* 9: 31.
- YTHIER, E.** 2021. A new species of *Buthus* Leach, 1815 from the savannas of Burkina Faso (Scorpiones: Buthidae). *Faunitaxys* 9: 40.
- YTHIER, E. & DUPRE, G.** 2021. Description of a new species of *Hottentotta* Birula, 1908, from the Democratic Republic of the Congo (Scorpiones, Buthidae). *Faunitaxys* 9: 5.
- YTHIER, E., SADINE, S.E., HADDADI, M.L. & LOURENÇO, W.R.** 2021. A new species of *Buthus* Leach, 1815 from Algeria (Scorpiones: Buthidae) and an interesting new case of vicariance. *Faunitaxys* 9: 21.
- ZAMANI, A., SÄÄKSJÄRVI, I.E. & PRENDINI, L.** 2021. Amateur venom-extraction business may hasten extinction of scorpions. *Arachnologische Mitteilungen / Arachnology Letters* 61: 20–23.
- ZIN, K., ALICEA-SERRANO, A.M., SINGLA, S., AGNARSSON, I., GARB, J.E., KUNTNER, M., GREGORIĆ, M., HANEY, R.A., MARHABAIE, M., BLACKLEDGE, T.A. & DHINOJWALA, A.** 2021. Correlation between silk protein secondary structure and mechanical performance for the ultra-tough dragline silk of Darwin's bark spider. *Journal of the Royal Society Interface* 18: 20210320.
- ZONSTEIN, S. & MARUSIK, Y.M.** 2021. The first Western Palearctic record of *Euprosthonops* Pocock (Araneae, Pisauridae), with description of a new species from Israel. *ZooKeys* 1065: 13–27.
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