



## Publications related to African Arachnids – 2020

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- ABEL, C., SCHNEIDER, J.M., KUNTNER, M. & HARMS, D.** 2020. Phylogeography of the 'cosmopolitan' orb-weaver *Argiope trifasciata* (Araneae: Araneidae). *Biological Journal of the Linnean Society* 131: 61–75.
- ALIOUA, Y. & BOSMANS, R.** 2020. *Poecilochroa senilis* (O. Pickard-Cambridge, 1872) (Araneae: Gnaphosidae) recorded for the first time in Algeria and Morocco, with the proposition of a new synonym. *Serket* 17: 121–126.
- ALIOUA, Y., BOSMANS, R., KHERBOUCHE, O. & BISSATI, S.** 2020. Distribution of the genus *Larinia* in the Maghreb, with the first record of *Larinia chloris* in Algeria (Araneae: Araneidae). *Arachnologische Mitteilungen* 59: 1–4.
- ARVIDSSON, F., ADDISON, P., ADDISON, M., HADDAD, C.R. & BIRKHOFFER, K.** 2020. Weed species, not mulching, affect web-building spider communities and their prey in organic temperate fruit orchards in South Africa. *Ecosphere* 11: e03059.
- AZARKINA, G.N.** 2020. *Manzuma* gen. nov., a new aelurilline genus of jumping spiders (Araneae, Salticidae). *European Journal of Taxonomy* 611: 1–47.
- AZARKINA, G.N. & HADDAD, C.R.** 2020. Partial revision of the Afrotropical Ballini, with the description of seven new genera (Araneae: Salticidae). *Zootaxa* 4899: 15–92.
- BAKER, C.M., BOYER, S.L. & GIRIBET, G.** 2020. A well-resolved transcriptomic phylogeny of the mite harvestman family Pettalidae (Arachnida, Opiliones, Cyphophthalmi) reveals signatures of Gondwanan vicariance. *Journal of Biogeography* 47: 1345–1361.
- BAKER, C.M., SHERIDAN, K., DERKARABETIAN, S., PÉREZ-GONZÁLEZ, A., VÉLEZ, S. & GIRIBET, G.** 2020. Molecular phylogeny and biogeography of the temperate Gondwanan family Triaenonychidae (Opiliones: Laniatores) reveals pre-Gondwanan regionalisation, common vicariance, and rare dispersal. *Invertebrate Systematics* 34: 637–660.
- BALLARIN, F., SALMASO, R. & LATELLA, L.** 2020. The arachnological collections of the Museo Civico di Storia Naturale of Verona (Italy): an overview. *Arachnologische Mitteilungen* 60: 23–26
- BARRIENTOS, J.A., BRAÑAS, N. & MEDEROS, J.** 2020. The high complexity of Micronetinae Hull, 1920 (Araneae, Linyphiidae) evidenced through ten new cave-dweller species from the Morocco. *Zoosystema* 42: 1–29.
- BENHALIMA, S. & BOSMANS, R.** 2020. Revision of the genus *Zodarion* Walckenaer, 1833 (part IV). The species of Morocco (Araneae: Zodariidae). *Zootaxa* 4899: 93–114.
- BOTHAM, J.L., HADDAD, C.R., GRYZENHOUT, M., SWART, V.R. & BREDENHAND, E.** 2020. State of gene flow shows high genetic diversity of spider species in a montane grassland landscape. *PLoS ONE* 15: e0234437.
- BOUCHERIT, S., BOURAGBA, N., DOUAOUI, A. & BOSMANS, R.** 2020. Araignées de la plaine alluviale du Haut-Chéiff (Algérie), avec la citation de quelques espèces nouvelles ou rares pour l'Algérie (Araneae: Gnaphosidae, Miturgidae). *Nieuwsbrief van de Belgische Arachnologische Vereniging* 35: 60–70.

- BOURAGBA, N., BOURAGBA, M., DJOUKLAFI, A., AMRAOUI, S., BRAGUE, A. & BELADJA, L.** 2020. Spider (Araneae) and beetle (Coleoptera) communities structure in the North African streamside zone (Zahrez Gharbi, Djelfa, Algeria) after reforestation. *African Entomology* 28: 25–34.
- 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.
- BURDFIELD-STEEL, E.R., SCHNEIDER, J.M., MAPPES, J. & DOBLER, S.** 2020. Testing the effectiveness of pyrazine defences against spiders. *Chemoecology* 30: 139–146.
- CONTI, E., DATTILO, S., SCAMPORRINO, A., COSTA, G. & SAMPERI, F.** 2020. Novel amino acid assembly in the silk tubes of arid-adapted segestriid spiders. *Journal of Chemical Ecology* 46: 48–62.
- CREWS, S.C., GARCIA, E.L., SPAGNA, J.C., VAN DAM, M.H. & ESPOSITO, L.A.** 2020. The life aquatic with spiders (Araneae): repeated evolution of aquatic habitat association in Dictynidae and allied taxa. *Zoological Journal of the Linnean Society* 189: 862–920.
- DIPPENAAR-SCHOEMAN, A.S. & FOORD, S.H.** 2020. Revision of the Afrotropical crab-spider genus *Parabomis* Kulczyński, 1901 (Araneae: Thomisidae). *Zootaxa* 4899: 161–174.
- DIPPENAAR-SCHOEMAN, A.S., WIESE, L., FOORD, S.H. & HADDAD, C.R.** 2020. A list of spider species found in the Addo Elephant National Park (Eastern Cape Province, South Africa). *Koedoe* 62: a1578.
- EL-HENNAWY, H.K.** 2020. Notes on *Segestria florentina* (Rossi, 1790) and family Segestriidae in Egypt (Araneae: Segestriidae). *Serket* 17: 158–167.
- EL-HENNAWY, H.K., SALLAM, G.M.E., EL-AZIM, N.A.I.A. & FADL, H.A.A.** 2020. The first record of *Zelotes tragicus* (O. Pickard-Cambridge, 1872) (Araneae: Gnaphosidae) in Egypt. *Serket* 17: 306–313.
- FERREIRA, R.L., GIRIBET, G., DU PREEZ, G., VENTOURAS, O., JANION, C. & SILVA, M.S.** 2020. The Wynberg Cave System, the most important site for cave fauna in South Africa at risk. *Subterranean Biology* 36: 73–81.
- FOORD, S.H., DIPPENAAR-SCHOEMAN, A.S., HADDAD, C.R., LYLE, R., LOTZ, L.N., SETHUSA, T. & RAIMONDO, D.** 2020. The South African National Red List of spiders: patterns, threats, and conservation. *Journal of Arachnology* 48: 110–118.
- GREYVENSTEIN, B., SIEBERT, S.J. & VAN DEN BERG, J.** 2020. Effect of time of day on efficacy of sweep net sampling of arthropod predators in maize agro-ecosystems in the North West Province, South Africa. *African Entomology* 28: 150–163.
- GRINSTED, L., SCHOU, M.F., SETTEPANI, V., HOLM, C., BIRD, T.L. & BILDE, T.** 2020. Prey to predator body size ratio in the evolution of cooperative hunting – a social spider test case. *Development Genes and Evolution* 230: 173–184.
- HADDAD, C.R.** 2020. The spider genus *Creugas* Thorell, 1878 in the Afrotropical Region (Araneae: Corinnidae). *Arthropoda Selecta* 29: 82–86.
- HARVEY, M.S., HILLYER, M.J., CARVAJAL, J.I. & HUEY, J.A.** 2020. Supralittoral pseudoscorpions of the genus *Garypus* (Pseudoscorpiones: Garypidae) from the Indo-West Pacific region, with a review of the subfamily classification of Garypidae. *Invertebrate Systematics* 34: 34–87.
- JÄGER, P.** 2020. *Platnickopoda* gen. nov., a new genus of huntsman spiders from Tanzania (Araneae: Sparassidae: Heteropodinae). *Arachnology* 18: 499–506.
- JÄGER, P.** 2020. The spider genus *Olios* Walckenaer, 1837 (Araneae: Sparassidae) – Part 1: species groups, diagnoses, identification keys, distribution maps and revision of the *argelasius*-, *coenobitus*- and *auricomis*-groups. *Zootaxa* 4866: 1–119.
- JOCQUÉ, R. & HENRARD, A.** 2020. Three new species of the genus *Ranops* (Araneae: Zodariidae) from southern Africa. *Zootaxa* 4899: 186–200.
- KOVARIK, F., LOWE, G., STOCKMANN, M. & STAHLAVSKY, F.** 2020. Notes on *Compsobuthus*: redescription of *C. arabicus* Levy *et al.*, 1973 from Arabia, and description of two new species from North Africa (Scorpiones: Buthidae). *Euscorpius* 298: 1–39.

- KUNTNER, M. & CODDINGTON, J.A.** 2020. Sexual size dimorphism: evolution and perils of extreme phenotypes in spiders. *Annual Review of Entomology* 65: 57–80.
- KURY, A.B. & MENDES, A.C.** 2020. Grammatical gender and corrections of the nomina of the species of *Larifuga* Loman, 1898 (Opiliones, Triaenonychidae). *Bionomina* 19: 77–85.
- KURY, A.B., MENDES, A.C., CARDOSO, L., KURY, M.S. & GRANADO, A.D.A.** 2020. WCO-Lite: online world catalogue of harvestmen (Arachnida, Opiliones). Version 1.0 — Checklist of all valid nomina in Opiliones with authors and dates of publication up to 2018. Self published, Rio de Janeiro. ii + 237 pp.
- LECIGNE, S., LIPS, J., MOUTAOUAKIL, S. & OGER, P.** 2020. Two new cave-dwelling spider species from the Moroccan High Atlas (Araneae: Liocranidae, Theridiidae). *Arachnologische Mitteilungen* 60: 12–18.
- LEITNER, M., DAVIES, A.B., ROBERTSON, M.P., PARR, C.L. & VAN RENSBURG, B.J.** 2020. Termite mounds create heterogeneity in invertebrate communities across a savanna rainfall gradient. *Biodiversity and Conservation* 29: 1427–1441.
- LI, F., SHAO, L. & LI, S.** 2020. Tropical niche conservatism explains the Eocene migration from India to Southeast Asia in ochyroceratid spiders. *Systematic Biology* 69: 987–998.
- LOURENÇO, W.R.** 2020. Why does the number of dangerous species of scorpions increase? The particular case of the genus *Leiurus* Ehrenberg (Buthidae) in Africa. *Journal of Venomous Animals and Toxins, including tropical Diseases* 26: 1–9.
- LUO, Y., GOH, S.P., LI, D., GONZAGA, M.O., SANTOS, A.J., TANIKAWA, A., YOSHIDA, H., HADDAD, C.R., MAY-COLLADO, L.J., GREGORIČ, M., TURK, E., KUNTNER, M. & AGNARSSON, I.** 2020. Global diversification of *Anelosimus* spiders driven by long distance overwater dispersal and Neogene climate oscillations. *Systematic Biology* 69: 1122–1136.
- LUWES, C. & HADDAD, C.R.** 2020. Spider assemblages in grass tussocks in central South Africa (Arachnida: Araneae). *Transactions of the Royal Society of South Africa* 75: 105–110.
- MAGALHAES, I.L.F., STOCKMANN, M., MARUSIK, Y.M. & ZONSTEIN, S.L.** 2020. On *Sahastata* (Araneae: Filistatidae): complementary description of the genotype and two new species from Oman and Morocco. *Zootaxa* 4899: 215–246.
- MBO, Z. & HADDAD, C.R.** 2020. Remarks on two poorly known *Dionycha* spiders from the Afrotropical Region (Araneae: Cheiracanthiidae, Liocranidae). *Arachnology* 18: 325–328.
- MCEWEN, B.L., LICHTENSTEIN, J.L.L., FISHER, D.N., WRIGHT, C.M., CHISM, G.T., PINTER-WOLLMAN, N. & PRUITT, J.N.** 2020. Predictors of colony extinction vary by habitat type in social spiders. *Behavioral Ecology and Sociobiology* 74: 2.
- MITCHELL, S., SOLE, C. & LYLE, R.** 2020. Teratological cases of the ocular patterns in the South African endemic trapdoor spider genus *Stasimopus* Simon (1892) (Araneae, Mygalomorphae, Stasimopidae). *African Zoology* 55: 363–367.
- NENTWIG, W., BLICK, T., GLOOR, D., JÄGER, P. & KROPF, C.** 2020. How to deal with destroyed type material? The case of Embrik Strand (Arachnida: Araneae). *Arachnologische Mitteilungen* 59: 22–29.
- NEUMANN, R. & SCHNEIDER, J.M.** 2020. Males sacrifice their legs to pacify aggressive females in a sexually cannibalistic spider. *Animal Behaviour* 159: 59–67.
- NOVÁK, J., LORENZ, M., HARMS, D.** 2020. *Feaella* (*Tetrafeaella*) *obscura* sp. nov. – a new pseudoscorpion species from the Maldives (Arachnida, Pseudoscorpiones), and an updated identification key to the subgenus *Feaella* (*Tetrafeaella*). *Zoosystematics and Evolution* 96: 769–779.
- OKETCH, A.D., ZONSTEIN, S., KIOKO, E.N. & LI, S.Q.** 2020. Description of a new genus and three new species of the family Palpimanidae (Arachnida, Araneae) from Kenya. *African Invertebrates* 61: 93–106.
- OMELKO, M.M., MARUSIK, Y.M. & LYLE, R.** 2020. A survey of *Diphya* Nicolet, 1849 (Araneae: Tetragnathidae) from South Africa. *Zootaxa* 4899: 259–279.
- OPATOVA, V., HAMILTON, C.A., HEDIN, M., MONTES DE OCA, L., KRÁL, J. & BOND, J.E.** 2020. Phylogenetic systematics and evolution of the spider infraorder Mygalomorphae using genomic scale data. *Systematic Biology* 69: 671–707.

- PEKÁR, S., PETRÁKOVÁ DUŠÁTKOVÁ, L. & HADDAD, C.R.** 2020. No ontogenetic shift in the realised trophic niche but in Batesian mimicry in an ant-eating spider. *Scientific Reports* 10: 1250.
- PEKÁR, S., PETRÁKOVÁ DUŠÁTKOVÁ, L., MICHÁLEK, O. & HADDAD, C.R.** 2020. Coexistence of two termite-eating specialists (Araneae). *Ecological Entomology* 45: 1307–1317.
- PETT, B.L. & JOCQUÉ, R.** 2020. Description of two new species of *Xevioso* (Araneae: Phyxelididae) from Southern Africa, with the northernmost localities for the genus. *European Journal of Taxonomy* 636: 1–18.
- PORTO, W. & PEREZ-GONZALEZ, A.** 2020. Beauty under the mud: Soil crypsis in new species of the Malagasy genus *Ankaratrix* (Opiliones: Triaenonychidae: Triaenobuninae). *Zoologischer Anzeiger* 287: 198–216.
- RÍOS-TAMAYO, D. & LYLE, R.** 2020. The South African genus *Lepthercus* Purcell, 1902 (Araneae: Mygalomorphae): phylogeny and taxonomy. *Zootaxa* 4766: 261–305.
- RODRIGUES, B.V.B. & RHEIMS, C.A.** 2020. An overview of the African genera of Prodidominae spiders: descriptions and remarks (Araneae: Gnaphosidae). *Zootaxa* 4799: 1–80.
- RODRIGUES, B.V.B. & RHEIMS, C.A.** 2020. Phylogenetic analysis of the subfamily Prodidominae (Arachnida: Araneae: Gnaphosidae). *Zoological Journal of the Linnean Society* 190: 654–708.
- RUSSELL-SMITH, A.** 2020. A checklist of the spiders of Tanzania. *Journal of East African Natural History* 109: 1–41.
- SCHARFF, N., CODDINGTON, J.A., BLACKLEDGE, T.A., AGNARSSON, I., FRAMENAU, V.W., SZÚTS, T., HAYASHI, C.Y. & DIMITROV, D.** 2020. Phylogeny of the orb-weaving spider family Araneidae (Araneae: Araneoidea). *Cladistics* 36: 1–21.
- SCHOEMAN, C.S., HAHN, N., HAMER, M. & FOORD, S.H.** 2020. Regional invertebrate cross- and within-taxon surrogacy are scale and taxon dependent. *Transactions of the Royal Society of South Africa* 75: 23–32.
- SEMBER, A., PAPPOVÁ, N., FORMAN, M., NGUYEN, P., MAREC, F., DALÍKOVÁ, M., DIVIŠOVÁ, K., DOLEŽÁLKOVÁ-KAŠTÁNKOVÁ, M. ZRZAVÁ, M., SADÍLEK, D., HRUBÁ, B. & KRÁL, J.** 2020. Patterns of sex chromosome differentiation in spiders: insights from comparative genomic hybridisation. *Genes* 11: 849.
- SHIVAMBU, T.C., SHIVAMBU, N., LYLE, R., JACOBS, A., KUMSCHICK, S., FOORD, S.H. & ROBERTSON, M.P.** 2020. Tarantulas (Araneae: Theraphosidae) in the pet trade in South Africa. *African Zoology* 55: 323–336.
- ŠTÁHLAVSKÝ, F., FORMAN, M., JUST, P., DENIČ, F., HADDAD, C.R. & OPATOVA, V.** 2020. Cytogenetics of entelegyne spiders (Arachnida: Araneae) from southern Africa. *Comparative Cytogenetics* 14: 107–138.
- ŠTÁHLAVSKÝ, F., NGUYEN, P., SADÍLEK, D., ŠTUNDLOVÁ, J., JUST, P., HADDAD, C.R., KOČ, H., RANAWANA, K.B., STOCKMANN, M., YAĞMUR, E.A. & KOVAŘÍK, F.** 2020. Evolutionary dynamics of rDNA clusters on chromosomes of bothid scorpions (Chelicerata: Arachnida). *Biological Journal of the Linnean Society* 131: 547–565.
- SWART, R.C., SAMWAYS, M.J. & ROETS, F.** 2020. Tree canopy arthropods have idiosyncratic responses to plant ecophysiological traits in a warm temperate forest complex. *Scientific Reports* 10: 19905.
- TANASEVITCH, A.V.** 2020. Linyphiid spiders collected by V. Mahnert in Kenya, with the description of a new genus and two new species (Arachnida: Araneae). *Revue Suisse de Zoologie* 127: 349–360.
- THERON, K.J., GAIGHER, R., PRYKE, J.S. & SAMWAYS, M.J.** 2020. High quality remnant patches in a complex agricultural landscape sustain high spider diversity. *Biological Conservation* 243: 108480.
- THERON, K.J., GAIGHER, R., PRYKE, J.S. & SAMWAYS, M.J.** 2020. Abandoned fields and high plant diversity support high spider diversity within an agricultural mosaic in a biodiversity hotspot. *Biodiversity and Conservation* 29: 3757–3782.
- TURK, E., ČANDEK, K., KRALJ-FIŠER, S. & KUNTNER, M.** 2020. Biogeographical history of golden orbweavers: Chronology of a global conquest. *Journal of Biogeography* 47: 1333–1344.

- VAN DER MERWE, S.S., SWART, V.R., BREDEHAND, E. & HADDAD, C.R.** 2020. Soil-dwelling arthropods as indicators of erosion in a South African grassland habitat. *Pedobiologia* 80: 150647.
- VAN SCHALKWYK, J., PRYKE, J.S., SAMWAYS, M.J. & GAIGHER, R.** 2020. Environmental filtering and spillover explain multi-species edge responses across agricultural boundaries in a biosphere reserve. *Scientific Reports* 10: 14800.
- VISSER, J.H. & GEERTS, S.** 2020. Describing sexual dimorphism and fine scale spatial distributions in the Drab Thick-tail Scorpion, *Parabuthus planicauda*. *African Zoology* 55: 250–256.
- WESOŁOWSKA, W.** 2020. Authorship of the generic name *Pochytoides* (Araneae, Salticidae). *Bionomina* 18: 56.
- WESOŁOWSKA, W.** 2020. *Kakameganula*, a new name for the preoccupied *Kakamega* Dawidowicz & Wesołowska, 2016 (Araneae: Salticidae). *Zootaxa* 4722: 500.
- WESOŁOWSKA, W., AZARKINA, G.N. & WIŚNIEWSKI, K.** 2020. A revision of *Pachyballus* Simon, 1900 and *Peplometus* Simon, 1900 (Araneae, Salticidae, Ballini) with descriptions of new species. *ZooKeys* 944: 47–98.
- WESOŁOWSKA, W. & WIŚNIEWSKI, K.** 2020. *Belippo eburnensis* sp.n., a new ant-like jumping spider (Araneae: Salticidae) from western Africa. *Arthropoda Selecta* 29: 97–102.
- VAN DER MERWE, S.S., SWART, V.R., BREDEHAND, E. & HADDAD, C.R.** 2020. Soil-dwelling arthropods as indicators of erosion in a South African grassland habitat. *Pedobiologia* 80: 150647.
- ZONSTEIN, S.L.** 2020. On *Afromygale*, a new mygalomorph spider genus from East Africa (Araneae: Pycnothelidae). *Israel Journal of Entomology* 50: 131–146.
- ZONSTEIN, S.L. & MARUSIK, Y.M.** 2020. Two new species of *Diaphorocellus* Simon, 1893 from Madagascar (Araneae, Palpimanidae). *African Invertebrates* 61: 1–15.

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