Publications related to African Arachnids – 2014

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ABOUMAÂD, B., TIGER, A., KHATTABI, A., SOULAYMANI, R., LAHSSAINI, M., BENHASSAIN, S.M. & IBA, N. 2014. Cardiac involvement and its complications about three cases of severe scorpion envenomation. *Toxicon* 78: 78–82.

ALLANSON, B., SMITH, F. & SMITH, P. 2014. The invertebrate macrobenthos of artificial rocky shores in the Knysna Estuary. *Transactions of the Royal Society of South Africa* 69: 19–33.

ARTIGAS, S.M.R. & CORRONCA, J.A. 2014. New species and distribution records of selenopid spiders of the genus *Hovops* Benoit in Madagascar (Araneae, Selenopidae). *Zootaxa* 3780: 547–557.

ATAKUZIEV, B.U., WRIGHT, C.E., GRAUDINS, A., NICHOLSON, G.M., WINKEL, K.D. 2014. Efficacy of Australian red-back spider (*Latrodectus hasselti*) antivenom in the treatment of clinical envenomation by the cupboard spider *Steatoda capensis* (Theridiidae). *Toxicon* 86: 68–78.

AZARKINA, G.N. & FOORD, S.H. 2014. A revision of the Afrotropical species of *Festucula* Simon, 1901 (Araneae: Salticidae). *African Invertebrates* 55: 351–375.

BAYER, S. 2014. Miscellaneous notes on European and African *Cheiracanthium* species (Araneae: Miturgidae). *Arachnologische Mitteilungen* 47: 19–34.

BIRKHOFER, K., BIRD, T., BILDE, T. & LUBIN, Y. 2014. Spatial patterns of social spider colonies in Namibia reflect habitat features and dispersal modes. *Transactions of the Royal Society of South Africa* 69: 157–163.

CANNING, G., REILLY, B.K. & DIPPENNAAR-SCHOEMAN, A.S. 2014. The distribution and population status of *Nesiergus insulanus* (Araneae: Theraphosidae: Ischnocolinae) on Frégate Island, Seychelles. *Arachnology* 16: 116–121.

CANNING, G., REILLY, B.K. & DIPPENNAAR-SCHOEMAN, A.S. 2014. The distribution and population status of *Nesiergus insulanus* (Araneae: Theraphosidae: Ischnocolinae) on Frégate Island, Seychelles. *Arachnology* 16: 116–121.

CANNING, G., REILLY, B.K. & DIPPENAAR-SCHOEMAN, A.S. 2014. Burrow structure and microhabitat characteristics of *Nesiergus insulanus* (Araneae: Theraphosidae) from Frégate Island, Seychelles. *Journal of Arachnology* 42: 293–298.

CHENG, R.-C. & KUNTNER, M. 2014. Phylogeny suggests non-directional and isometric evolution of sexual size dimorphism in argiopine spiders. *Evolution* 68: 2861–2872.

COELHO, P., SOUSA, P., HARRIS, D.J. & VAN DER MEIJDEN, A. 2014. Deep intraspecific divergences in the medically relevant fat-tailed scorpions (*Androctonus*, Scorpiones). *Acta Tropica* 134: 43–51.

COULIBALY, S.K., HAMI, H., MAÏGA, A., SOULAYMANI-BENCHEIKH, R., GOYFFON, M. & SOULAYMANI, A. 2014. Problématique des piqûres scorpioniques dans les zones sanitaires de Gao au Mali. *Research* 1: 628.

CROSS, F.R. & JACKSON, R.R. 2014. Cross-modality effects of prey odour during the intraspecific interactions of a mosquito-specialist predator. *Ethology* 120: 598–606.

CROSS, F.R. & JACKSON, R.R. 2014. Specialised use of working memory by *Portia africana*, a spider-eating salticid. *Animal Cognition* 17: 435–444.

CRUZ DA SILVA, E.L. & SIERWALD, P. 2014. Description of the males of *Euprosthenops australis* Simon, 1898 and *Euprosthenopsis pulchella* (Pocock, 1902) (Araneae: Pisauridae). *Zootaxa* 3857: 137–150

CUSHING, P.E., CASTO, P., KNOWLTON, E.D., ROYER, S., LAUDIER, D., GAFFIN, D.D., PRENDINI, L. & BROOKHART, J.O. 2014. Comparative morphology and functional significance of setae called papillae on the pedipalps of male camel spiders (Arachnida, Solifugae). *Annals of the Entomological Society of America* 107: 510–520.

DE ARMAS, L.F. 2014. Two new genera of African whip scorpions (Schizomida: Hubbardiidae). *Arthropoda Selecta* 23: 97–105.

DE BUSSCHERE, C., FANNES, W., HENRARD, A., GAUBLOMME, E., JOCQUÉ, R. & BAERT, L. 2014. Unravelling the goblin spiders puzzle: rDNA phylogeny of the family Oonopidae (Araneae). *Arthropod Systematics & Phylogeny* 72: 177–192.

DELBARRE, N. & DE HARO, L. 2014. Piqûre de scorpion *Isometrus maculatus* à la Réunion. *Annales Françaises de Médecine d'Urgence* 4: 191–193.

DUNLOP, J.A. & SIYAM, M. 2014. Spiders of Sudan: a literature review. *Arachnology* 16: 161–175.

FERNÁNDEZ, R., HORMIGA, G. & GIRIBET, G. 2014. Phylogenomic analysis of spiders reveals nonmonophyly of orb weavers. *Current Biology* 24: 1772–1777.

FRICK, H. & SCHARFF, N. 2014. Phantoms of Gondwana?—phylogeny of the spider subfamily Mynogleninae (Araneae: Linyphiidae). *Cladistics* 30: 67–106.

GAIGHER, R. & SAMWAYS, M.J. 2014. Landscape mosaic attributes for maintaining groundliving spider diversity in a biodiversity hotspot. *Insect Conservation and Diversity* 7: 470–479.

GIRIBET, G., MCINTYRE, E., CHRISTIAN, E., ESPINASA, L., FERREIRA, R.L., FRANCKE, O.F., HARVEY, M.S., ISAIA, M., KOVÁČ, L., MCCUTCHEN, L., SOUZA, M.F.V.R. & ZAGMAJSTER, M. 2014. The first phylogenetic analysis of Palpigradi (Arachnida) – the most enigmatic arthropod order. *Invertebrate Systematics* 28: 350–360.

GUADANUCCI, J.P.L. & WENDT, I. 2014. Revision of the spider genus *Ischnocolus* Ausserer, 1871 (Mygalomorphae: Theraphosidae: Ischnocolinae). *Journal of Natural History* 48: 387–402.

HADDAD, C.R. 2014. A revision of the endemic South African sac spider genus *Lessertina* Lawrence, 1942 (Araneae: Eutichuridae). *Zootaxa* 3873: 82–92.

HARVEY, M.S. & DU PREEZ, G. 2014. A new troglobitic ideoroncid pseudoscorpion (Pseudoscorpiones: Ideoroncidae) from southern Africa. *Journal of Arachnology* 42: 105–110.

HENRARD, A., VAN KEER, J. & JOCQUÉ, R. 2014. On the spider species *Oecobius amboseli* Shear & Benoit, 1974 (Araneae; Oecobiidae) newly found in Belgium and Rwanda. *Nieuwsbrief van de Belgische Arachnologische Vereniging* 29: 1–8.

HETHERINGTON, J. & WILSON, J.B. 2014. Spatial associations between invasive tree lupin and populations of two katipo spiders at Kaitorete Spit, New Zealand. *New Zealand Journal of Ecology* 38: 279–287.

HONIBALL LEWIS, A.S. & DIPPENAAR-SCHOEMAN, A.S. 2014. Revision of the spider genus *Mystaria* Simon, 1895 (Araneae: Thomisidae) and the

description of a new genus from the Afrotropical region. *Zootaxa* 3873: 101–144.

HORMIGA, G. & GRISWOLD, C.E. 2014. Systematics, phylogeny, and evolution of orb-weaving spiders. *Annual Review of Entomology* 59: 487–512.

HUBER, B.A. 2014. Progress and prospects in taxonomy: what is our goal and are we ever going to reach it? *Journal of Arachnology* 42: 142–147.

HUBER, B.A., LE GALL, P. & MAVOUNGOU, J.F. 2014. Pholcid spiders from the Lower Guinean region of Central Africa: an overview, with descriptions of seven new species (Araneae, Pholcidae). *European Journal of Taxonomy* 81: 1–46.

JÄGER, P. 2014. *Cebrennus* Simon, 1880 (Araneae: Sparassidae): a revisionary update with the description of four new species and an updated identification key for all species. *Zootaxa* 3790: 319–356

JÄGER, P. 2014. *Olios sjostedti* Lessert, 1921 (Araneae: Sparassidae): first description of the female and first records from South Africa and Botswana. *African Invertebrates* 55: 201–208.

KARIKO, S.J. 2014. The Glitterati: four new species of *Phoroncidia* (Araneae: Theridiidae) from Madagascar, with the first description of the male of *P. aurata* O. Pickard-Cambridge, 1877. *Arachnology* 16: 195–213.

KEISER, C.N., JONES, D.K., MODLMEIER, A.P. & PRUITT, J.N. 2014. Exploring the effects of individual traits and within-colony variation on task differentiation and collective behavior in a desert social spider. *Behavioral Ecology and Sociobiology* 68: 839–850.

KEISER, C.N., MODLMEIER, A.P., SINGH, N., JONES, D.K. & PRUITT, J.N. 2014. Exploring how a shift in the physical environment shapes individual and group behavior across two social contexts. *Ethology* 120: 825–833.

KEISER, C.N. & PRUITT, J.N. 2014. Personality composition is more important than group size in determining collective foraging behaviour in the wild. *Proceedings of the Royal Society B* 281: 20141424.

KUNTNER, M., AGNARSSON, I. & LI, D. 2014. The eunuch phenomenon: adaptive evolution of genital emasculation in sexually dimorphic spiders. *Biological reviews*

KUNTNER, M. & ELGAR, M.A. 2014. Evolution and maintenance of sexual size dimorphism: Aligning phylogenetic and experimental evidence. *Frontiers in Ecology and Evolution* 2: 26.

KUNTNER, M., NĂPĂRUŞ, M., LI, D. & CODDINGTON, J.A. 2014. Phylogeny predicts future habitat shifts due to climate change. *PLoS ONE* 9(6): e98907.

KURY, A., MENDES, A. & SOUZA, D. 2014. World checklist of Opiliones species (Arachnida). Part 1: Laniatores – Travunioidea and Triaenonychoidea. *Biodiversity Data Journal* 2: e4094.

LASKOWSKI, K.L. & PRUITT, J.N. 2014. Evidence of social niche construction: persistent and repeated social interactions generate stronger personalities in a social spider. *Proceedings of the Royal Society B* 281: 20133166.

LOTZ, L.N. 2014. New species of *Cheiracanthium* (Araneae: Eutichuridae) from Madagascar and the Comoros Islands. *Zootaxa* 3857: 301–332.

LOURENÇO, W.R. 2014. Micro-endemic and vicariant populations of *Opisthacanthus* Peters, 1861 (Scorpiones: Hormuridae) in Madagascar, with descriptions of two new species. *Arthropoda Selecta* 23: 383–391.

LOURENÇO, W.R. 2014. The genus *Grosphus* Simon, 1880 in South-Western Madagascar, with description of a new species (Scorpiones, Buthidae). *Zoosystema* 36: 631–645.

LOURENÇO, W.R. 2014. A new species of *Opisthacanthus* Peters, 1861 (Scorpiones: Hormuridae) from the Parc National d'Andohahela, Madagascar. *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg* 17: 179–191.

LOURENÇO, W.R. 2014. Further considerations on the identity and distribution of *Pandinus imperator* (C. L. Koch, 1841) and description of a new species

from Cameroon (Scorpiones: Scorpionidae). *Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg* 17: 139–151.

LOURENÇO, W.R. & LEGUIN, E.A. 2014. Une nouvelle espèce d'*Hottentotta* Birula, 1908 pour le Massif du Hoggar en Algérie (Scorpiones, Buthidae); conséquences biogéographiques sur la répartition du genre. *Revista Ibérica de Aracnologia* 24: 15–18.

LOURENÇO, W.R. & LEGUIN, E.A. 2014. Complements to the description of three species of scorpions (Scorpiones: Buthidae, Euscorpiidae, Hormuridae) *Revista Ibérica de Aracnologia* 25: 23–26.

LOURENÇO, W.R. & SADINE, S.E. 2014. A new species of the rare buthid scorpion genus *Lissothus* Vachon, 1948 from Central Algeria (Scorpiones, Buthidae). *Comptes Rendus Biologies* 337: 416–422.

MICHALIK, P. & RAMIREZ, M.J. 2014. Evolutionary morphology of the male reproductive system, spermatozoa and seminal fluid of spiders (Araneae, Arachnida): Current knowledge and future directions. *Arthropod Structure & Development* 43: 291–322.

MODLMEIER, A.P., FORRESTER, N.J. & PRUITT, J.N. 2014. Habitat structure helps guide the emergence of colony-level personality in social spiders. *Behavioral Ecology and Sociobiology* 68: 1965–1972.

MODLMEIER, A.P., LASKOWSKI, K.L., DE MARCO, A.E., COLEMAN, A., ZHAO, K., BRITTINGHAM, H.A., MCDERMOTT, D.R. & PRUITT, J.N. 2014. Persistent social interactions beget more pronounced personalities in a desert-dwelling social spider. *Biology Letters* 10: 20140419.

MORADMAND, M., SCHÖNHOFER, A.L. & JÄGER, P. 2014. Molecular phylogeny of the spider family Sparassidae with focus on the genus *Eusparassus* and notes on the RTA-clade and 'Laterigradae'. *Molecular Phylogenetics and Evolution* 74: 48–65.

NEKKAL, N., SOULAYMANI BENCHEIK, R., EL OUFIR, G., RHALEM, N., MOKHTARI, A. & SOULAYMANI, A. 2014. Impact de la stratégie de lutte contre les piqûres et les envenimations scorpioniques sur les indicateurs de santé de la région de Marrakech Tensift El Haouz (Maroc). *European Scientific Journal* 10: 440–455.

NEL, E., KELLY, J. & DIPPENAAR-SCHOEMAN, A.S. 2014. Notes on the biology of the wasp, *Chalybion spinolae* (Hymenoptera: Sphecidae), an obligatory predator of *Latrodectus* (Araneae: Theridiidae) spiders in South Africa. *Journal of Natural History* 48: 1585–1593.

NYFFELER, M. & PUSEY, B.J. 2014. Fish predation by semi-aquatic spiders: a global pattern. *PLoS ONE* 9: e99459.

NZIGIDAHERA, B. & JOCQUÉ, R. 2014. On the Afrotropical genus *Holmelgonia* (Araneae, Linyphiidae), with the description of three new species from the Albertine Rift. *European Journal of Taxonomy* 77: 1–18.

NZIGIDAHERA, B. & JOCQUÉ, R. 2014. On the genus *Pachygnatha* (Araneae, Tetragnathidae) in the Albertine Rift of Burundi, with the description of three new species. *European Journal of Taxonomy* 93: 1–16.

OWEN, C.A., COETZEE, J.A. & VAN NOORT, S. 2014. Distributional range of the South African maritime spider-egg parasitoid wasp, *Echthrodesis lamorali* (Hymenoptera: Platygastridae: Scelioninae) *African Invertebrates* 55: 323–332.

OYEDEJI, O.A., MUSA, T.L., ADEBAMI, O.J. & OVEDEJI, G.A. 2014. Fatal scorpion sting in a child. *Nigerian Journal of Clinical Practice* 17: 112–114.

OYEWOLE, O.A. & OYELADE, O.J. 2014. Diversity and distribution of spiders in Southwestern Nigeria. *Natural Resources* 5: 926–935.

PEKÁR, S. 2014. Comparative analysis of passive defences in spiders (Araneae). *Journal of Animal Ecology* 83: 779–790.

PEKÁR, S. 2014. Is inaccurate mimicry ancestral to accurate in myrmecomorphic spiders (Araneae)? *Biological Journal of the Linnean Society* 113: 97–111.

POLOTOW, D. & BRESCOVIT, A.D. 2014. Phylogenetic analysis of the tropical wolf spider subfamily Cteninae (Arachnida, Araneae, Ctenidae). *Zoological Journal of the Linnean Society* 170: 333–361.

POLOTOW, D. & JOCQUÉ, R. 2014. The new spider genus *Arctenus*, an afrotropical representative of the Calocteninae (Araneae: Ctenidae). *Journal of Arachnology* 42: 240–247.

PRUITT, J.N. & KEISER, C.N. 2014. The personality types of key catalytic individuals shape colonies' collective behaviour and success. *Animal Behaviour* 93: 87–95.

RAMÍREZ, M.J. 2014. The morphology and phylogeny of Dionychan spiders (Araneae: Araneomorphae). *Bulletin of the American Museum of Natural History* 390: 1–374.

RAMÍREZ, M.J, GRISMADO, C.J., LABARQUE, F.M., IZQUIERDO, M.A., LEDFORD, J.M., MILLER, J.A., HADDAD, C.R. & GRISWOLD, C.E. 2014. The morphology and relationships of the walking mud spiders of the genus *Cryptothele* (Araneae: Zodariidae). *Zoologischer Anzeiger* 253: 382–393.

RAMIREZ, M.J. & MICHALIK, P. 2014. Calculating structural complexity in phylogenies using ancestral ontologies. *Cladistics* 30: 635–649.

ROSSI, A. 2014. The fragmented peri-Saharan distribution of the subgenus *Pandinurus* Fet, 1997 with the description of a new species from Chad (Scorpiones, Scorpionidae, *Pandinus*). *Serket* 14: 6–14.

ROSSI, A. 2014. Notes on the distribution of *Pandinus (Pandinus)* Thorell, 1876 and *Pandinus (Pandinurus)* Fet, 1997 with the description of two new species from Central African Republic and Djibouti. *Onychium* 10: 10–31.

ROSSI, A. 2014. New data on the rare species *Pandinus nistriae* Rossi, 2014 (Scorpiones: Scorpionidae). *Arachnides* 72: 3–12.

SADINE, S.E., ALIOUA, Y., KEMASSI, A., MEBARKI, M.T., HOUTIA, A. & BISSATI, S. 2014. Aperçu sur les scorpions de Ghardaïa. *Journal of Advanced Research in Science and Technology* 1: 12–17.

SAKO, F.B., BANGOURA, E.F., TRAORE, F.A., DIESSANGLAR, R., BAIDE, O., SOUMAH, M.M. & BALDE, H. 2014. Les envenimations scorpioniques traitées dans le service des maladies infectieuses et tropicales de l'hôpital national Donka, Guinée. *Bulletin de la Société de Pathologie Exotique* 107: 323–326.

SALLAM, G.M.E., ABD EL-AZIM, N.A.I. & MOHAFEZ, M.A. 2014. Life cycle of *Uroctea limbata* (C.L. Koch, 1843) in Egypt (Araneae: Oecobiidae). *Serket* 14: 59–62.

SANGGAARD, K.W., BECHSGAARD, J.S., FANG, X., DUAN, J., DYRLUND, T.F., GUPTA, V., JIANG, X., CHENG, L., FAN, D., FENG, Y., HAN, L., HUANG, Z., WU, Z., LIAO, L., SETTEPANI, V., THØGERSEN, I.B., VANTHOURNOUT, B., WANG, T., ZHU, Y., FUNCH, P., ENGHILD, J.J., SCHAUSER, L., ANDERSEN, S.U., VILLESEN, P., SCHIERUP, M.H., BILDE, T. & WANG, J. 2014. Spider genomes provide insight into composition and evolution of venom and silk. *Nature Communications* 5:3765 , 11pp.

SANKARAN, P.M., JOBI, M.J., JOSEPH, M.M. & SEBASTIAN, P.A. 2014. On the genus *Hermippus* Simon, 1893 (Araneae: Zodariidae, Zodariinae) in India with the description of three new species from the Western Ghats and proposing a new biogeographical hypothesis for the distribution of the genus. *Zootaxa* 3893: 114–126.

SELMANE, S. & L'HADJ, M. 2014. Regression analysis on scorpion envenomation and climate variables in M'Sila Province, Algeria from 2001 to 2010. *International Journal of Mathematics Trends and Technology* 13: 1–9.

SHARMA, P.P. & GIRIBET, G. 2014. A revised dated phylogeny of the arachnid order Opiliones. *Frontiers in Genetics* 5: 255.

SHARMA, P.P., KALUZIAK, S.T., PEREZ-PORRO, A.R., GONZALEZ, V.L., HORMIGA, G., WHEELER, W.C. & GIRIBET, G. 2014. Phylogenomic interrogation of Arachnida reveals systemic conflicts in phylogenetic signal. *Molecular Biology and Evolution* 31: 2963–2984.

TAMIM, O.K., TAYEBI, M., NEKKAL, M., SOULAYMANI, A., EL OUFIR, R., RGALEM, N., MOKHTARI, A. & SOULAYMANI-BENCHEIKH, R. 2014. Le scorpionisme au Maroc: Analyse du relevé mensuel. *Research fr* 1: 648.

TEIXEIRA, R.A., CAMPOS, L.A. & LISE, A.A. 2014. Phylogeny of Aphantochilinae and Strophiinae sensu Simon (Araneae; Thomisidae). *Zoologica Scripta* 43: 65–78.

TERUEL, R. & KOVARIK, F. 2014. Redescription of *Androctonus bicolor* Ehrenberg, 1828, and description of *Androctonus turieli* sp.n. from Tunisia (Scorpiones: Buthidae). *Euscorpius* 186: 1–15.

TOULOUN, O., ELHIDAN, M.A. & BOUMEZZOUGH, A. 2014. Inventory and distribution of scorpion fauna in eastern Morocco (Arachnida, Scorpiones). *Serket* 14: 73–79.

TOULOUN, O., SLIMANI, T., QNINBA, A. & BOUMEZZOUGH, A. 2014. Nouvelles observations sur les scorpions des régions sahariennes du Maroc. *Poiretia* 6: 16–21.

TRUTER, J., VAN HAMBURG, H. & VAN DEN BERG, J. 2014. Comparative diversity of arthropods on Bt Maize and Non-Bt Maize in two different cropping systems in South Africa. *Environmental Entomology* 43: 197–208.

TURIEL, C. 2014. A new species of *Hottentotta* Birula, 1908 (Scorpiones: Buthidae) from southern Morocco. *Euscorpius* 181: 1–9.

VAN KEER, J. & BOSMANS, R. 2014. A new species of *Scytodes* from Algeria (Araneae: Scytodidae), with a review of the species from the Maghreb. *Zootaxa* 3894: 131–140.

VAN NOORT, S., MASNER, L., POPOVICI, O., VALERIO, A.A., TAEKUL, C., JOHNSON, N.F., MURPHY, N.P. & AUSTIN, A.D. 2014. Systematics and biology of the aberrant intertidal parasitoid wasp *Echthrodesis lamorali* Masner (Hymenoptera: Platygastridae s.l.): a parasitoid of spider eggs. *Invertebrate Systematics* 28: 1–16.

WESOŁOWSKA, W. 2014. Further notes on the genus *Stenaelurillus* Simon, 1885 (Araneae, Salticidae) in Africa with descriptions of eight new species. *Zoosystema* 36: 593–620.

WESOŁOWSKA, W., AZARKINA, G.N. & RUSSELL-SMITH, A. 2014. Euophryine jumping spiders of the Afrotropical Region—new taxa and a checklist (Araneae: Salticidae: Euophryinae). *Zootaxa* 3789: 1–72.

WESOLOWSKA, W. & DAWIDOWICZ, A. 2014. Dendryphantine jumping spiders (Araneae: Salticidae) of Kenya with descriptions of a few new species. *Annales Zoologici* (Warsaw) 64: 65–78.

WESOŁOWSKA, W. & HADDAD, C.R. 2014. An overview of the jumping spiders of Lesotho (Araneae: Salticidae), with descriptions of six new species. *African Invertebrates* 55: 229–268.

WHARTON, R.A. & REDDICK, K.L. 2014. Solifuges (Arachnida: Solifugae) as predators and prey. *Transactions of the Royal Society of South Africa* 69: 213–216.

WRIGHT, C.M, HOLBROOK, C.T. & PRUITT, J.N. 2014. Animal personality aligns task specialization and task proficiency in a spider society. *Proceedings of the National Academy of Sciences* 111: 9533–9537.

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