

Publications in collaboration with UNIKIS and CSB (D.R. Congo) from 2011 to 2016

2016

Bochkov A.V , Gambalemoke Mbalitini S., Verheyen E. 2016. Review of the fur-mite genus *Soricilichus* Fain, 1970 (Acariformes: Chirodiscidae)—symbionts of the African shrews of the subfamily Crocidurinae (Soricomorpha: Soricidae). *Zootaxa* 4072 (2): 235-253

Bochkov A.V., Gambalemoke Mbalitini S., Verheyen E. (in press). *Crocidurobia faini* sp. nov. (Acariformes: Myobiidae) – a new mite species parasitizing shrews of the genus *Crocidura* (Soricomorpha: Soricidae) in DR Congo. *Systematic Parasitology*. *In press*

Laudisoit Anne., Collet M., Muyaya B., Mauwa C., Ntadi S., Guet A., Helsen P., Michel B., Wendelen W., Leirs H., VanHoutte N., Micha J-Cl., Verheyen E. (submitted). West African Manatee *Trichechus senegalensis* (LINK, 1795) in the estuary of the Congo River (Democratic Republic of the Congo): update and review. *Biodiversity and conservation* *Submitted*

Falay D., Kuijpers L.M.F., Phoba M.-F, De Boeck H., Lunguya O., Vakanyaki E., Bertrand S., Vanhoof R., Devlieger H., Van Geet C., Verheyen E., Ngbonda D., Jacobs J. (resubmitted). Microbiological and clinical findings of an outbreak of non-typhoid *Salmonella* bloodstream infection associated with severe anemia, Oriental Province, Democratic Republic of the Congo. *PLOS Neglected Tropical Diseases*. *Resubmitted*

2015

Bohoussou K. H., Cornette R., Akpatou B., Colyn M., Kerbis Peterhans J., Kennis J., Sumbera R., Verheyen E., N’Goran E., Katuala P., Nicolas V. 2015. Patterns of diversification and historical biogeography of the Afrotropical rodent genus *Malacomys* (Rodentia, Muridae). *Journal of Biogeography*, doi:10.1111/jbi.12570

Decru E ., Moelants T., De Gelas K ., Vreven E , Verheyen E., Snoeks J. 2015. Taxonomic challenges in freshwater fishes: a mismatch between morphology and DNA barcoding in fish of the north-eastern part of the Congo basin. *Molecular Ecology Resources* (2015) doi: 10.1111/1755-0998.12445

Jacquet F., Denys C., Verheyen E., Bryja J., Hutterer R., Kerbis Peterhans J. C., Stanley W. T., Goodman S. M., Couloux A., Colyn M., Nicolas V. 2015. Phylogeography and evolutionary history of the *Crocidura olivieri* complex (Mammalia, Soricomorpha): from a forest-based origin to a broad expansion across Africa. *BMC Evolutionary Biology* (2015) 15:71 DOI 10.1186/s12862-015-0344-y

Santos Santos J., Audenaert L., Verheyen E., Adriaens D. 2015. Divergent ontogenies of trophic morphology in two closely related haplochromine cichlids. *Journal of Morphology* DOI 10.1002/jmor.20385

2014

Anthony N.M., Atteke C, Bruford MW, Dallmeier F, Freedman A, Hardy O, Ibrahim B, Jeffery K, Johnson M, Lahm SA, Lepengue N, Lowenstein J, Maisels F, Mboumba J-F, Mickala P, Ntie S, Smith TB, Sullivan

J, Verheyen E, and Gonder MK 2014. Evolution and Conservation of Central African Biodiversity: Priorities for Future Research and Education in the Congo Basin and Gulf of Guinea. *Biotropica*.

Bryja J., Mikula O., Šumbera R., Meheretu Y., Aghová T., Lavrenchenko L.A., Mazoch V., Oguge N., Mbau J., Welegerima K., Amundala N., Colyn M., Leirs H., Verheyen E. 2014. Pan-African phylogeny of *Mus* (subgenus *Nannomys*) reveals one of the most successful mammal radiations in Africa.

Laudisoit A., Falay D., Amundala N., Dudu Akaibe M., Goüy de Bellocq J., Van Houtte N., Breno M., Verheyen E., Wilschut L., Parola P., Raoult D., and Socolovschi C., 2014. High Prevalence of *Rickettsia typhi* and *Bartonella* Species in Rats and Fleas, Kisangani, Democratic Republic of the Congo. *American Journal of Tropical Medicine and Hygiene*: published online January 20, 2014; doi:10.4269/ajtmh.13-0216

2013

Gembu Tungaluna G.C., Van Cakenberghe V., Musaba Akawa P., Dudu Akaibe M., Verheyen E., De Vree F., Fahr J. 2013. Rediscovery of *Glaucocytheris superba* Hayman, 1939 (Chiroptera: Vespertilionidae) after 40 years at Mbiye Island, Democratic Republic of the Congo. *European Journal of Taxonomy* 42: 1-18 doi.org/10.5852/ejt.2013.42

Kaswera, K., Dudu, A., Verheyen, E., Gilissen E. 2013. Densité et distribution de *Petrodromus tetradactylus tordayi* (Macroscelididae, Mammalia) dans la réserve forestière de Yoko (R.D.Congo) *Ann. Fac. Sci.* 15 (2013): 205-218

Iyongo L.W.M., De Cannière C., Ulyel J., Dudu B.A., Bukasa K., Verheyen E., Bogaert J. 2013. Effets de lisière et sex ratio de rongeurs forestiers dans un écosystème fragmenté en République Démocratique du Congo (Réserve de Masako, Kisangani). *Tropicultura* 31(1): 3-10

Stanley W.T., Robbins L.W., Malekani J.M., Gambalemoke S.M., Dudu A.M., Mukinzi J.C., Hulselmans J., Prévot V., Verheyen E., Hutterer R., Doty J.B., Monroe B.P., Nakazawa Y.S., Braden Z., Carroll D., Kerbis Peterhans J.C., Bates J.M. & Esselstyn J.A. 2013. A new hero emerges: another exceptional mammalian spine and its potential adaptive significance. *Biological letters Biol Lett* 9: 20130486. <http://dx.doi.org/10.1098/rsbl.2013.0486>

Verhaert V., Covaci A., Bouillon S., Abrantes K., Musibono D., Bervoets L., Verheyen E., Blust R. 2013. Baseline levels and trophic transfer of persistent organic pollutants in sediments and biota from the Congo River Basin (DR Congo). *Environment International* 59 (2013) 290–302

2012

Iyongo Waya M., Visser M., De Cannière C., Verheyen E., Leirs H., Dudu A., Ulyel Ali-Patho, Bogaert J. 2012. Anthropisation et effets de lisière : impacts sur la diversité des rongeurs dans la Réserve Forestière de Masako (Kisangani, R.D. Congo). *Tropical Conservation Science* Vol.5 (3):270-283, 2012

Olayemi A., Nicolas V., Hulselmans J., Missoup A., Fichet-Calvet E., Amundala N., Dudu A., Dierckx T., Wendelen W., Leirs H., Verheyen E. 2012. Taxonomy of the rodent genus *Cricetomys*: molecular and craniometric evidence support an unexpected high species diversity. *Zoological Journal of the Linnean Society*, 2012, 165, 700–719

2011

Anthony N.M., Mickala P., Abernethy K.A., Atteke C., Bissiengou P., Bruford M. W., Dallmeier F., Decaens T., Dudu A., Freedman A., Gonder K., Hardy O., Hart J., Jeffery K., Pambo F.K., Ley A., Korte L., Lahm S.A., Lee M., Lowenstein J., Mboumba J.-F., Bouroubou D.N., Ngomanda A., Ntie S., Sebag D., Sullivan J., Vanthomme H., Vergnes V., Verheyen E., Zimkus B. 2011. Biodiversity research and conservation in central Africa: new approaches and avenues for international collaboration. Conservation Genetic Resources DOI 10.1007/s12686-011-9554-9

Faulkes C.G., Bennet N.C., Cotteril F.P.D., Stanley W., Mgode G.F., Verheyen E. 2011. Phylogeography and cryptic diversity of the solitary-dwelling silvery mole-rat genus *Heliophobius* (Family: Bathyergidae). *Journal of Zoology* doi:10.1111/j.1469-7998.2011.00863.x

Kennis J., Nicolas V., Hulselmans J., Katuala P.G.B., Wendelen W., Verheyen E., Dudu A. M., Leirs H. 2011. The impact of the Congo River and its tributaries on the rodent genus *Praomys*: Speciation origin or range expansion limit? *Zoological Journal of the Linnean Society*, 2011, 163, 983–1002

ABSTRACTS 2011-2016

Laudisoit A., Baelo P, Mussaw Awazi M, N. VanHoutte, Rouquette R., Amundala N, Leirs H, and Verheyen E. 2015. Biodiversity, Bushmeat and Monkeypox in the Democratic Republic of the Congo: another viral threat upon larger cities? 9th European Congress on Tropical Medicine and International Health (ECTMIH), 6-10 September 2015, Basel , Switzerland. page 30-31

Nagy, Z.T., Van Riet, S., Kusamba, C., Greenbaum, E.B., Kielgast, J., Gvoždík, V., Matthyssen, S., Bodongola, A., Mebert, K. & Verheyen, E. 2015. Diversity of the serpent fauna in central africa: from field surveys to integrative systematics, Abstract book of Evolution 2015, 26-30 June 2015, Guarujá, Brazil. page 260-261

Laudisoit A. , Verheyen E., Collet M., Muyaya B., Mauwa C., Ntadi S., Michel B., Leirs H., Janssens de Bisthoven L., Vanhove M., Micha J-Cl;. 2015. The coastal pearl of the Democratic Republic of the Congo: the Mangrove Marine Park, a neglected RAMSAR site. Poster presentation at the Royal Academy For Overseas Sciences Multidisciplinary Workshop, Vulnerable Coastal Areas (Brussels, Thursday 10 December 2015), page 2

To Hulu M., Pitchou J.-P., Amundala Drazo Nicaise, Iyongo Waya Mongo Léon, Gambalemoke Mbalini S., Mate Mweru J.-P., Ewango C., Verheyen E., Dudu A., Bogaert J. 2014. Diversity and demographic structure of Rodents populations (Rodentia: Mammalia) according an anthropisation gradient in Forestry Reserve of Masako (R. D. Congo). Abstract Book, page 79, Zoology 2014, 21st Benelux Congress of Zoology, Liege, Belgium (12-13 December 2014)

Amundala Drazo N., Leirs H., Verheyen E., Laudisoit A., Mbalitini Gambalemoke S. and Dudu A. 2014. Biodiversity, reproduction and population structure of Sciuridae (Rodentia, Mammalia) from the Forest Reserves of Yoko, Masako and the locality of Uma (Eastern Province, DR Congo). Abstract Book, page 108, Zoology 2014, 21st Benelux Congress of Zoology, Liege, Belgium (12-13 December 2014)

Mbalitini Gambalemoke S., Itoka Mukinzi J.-Cl., Kabeya Mutombo, Drazo Amundala N., Gatate-Banda Katuala P., Hutterer R., Hulselmans J., Prévot V., Verheyen E. and Dudu A. 2014. Preliminary data on the biodiversity of Rodents (Rodentia) and shrews (Soricomorpha) in the Hunting Area Rubi - Tele

(Province Orientale, Democratic Republic of Congo). Abstract Book, page 204, Zoology 2014, 21st Benelux Congress of Zoology, Liege, Belgium (12-13 December 2014)

Nebesse Mololo C., Nyere G. A., Fatima M. P., Malekani B., Gambalemoke Mbatitini S., Gembu Tungaluna G.-C., Verheyen E. and Dudu A. 2014. State of play of the registered exploitation of game at the Control post AFILONDO (Project Pro-roads) on the RN4 (PK 129, Route Buta, Kisangani, DR Congo) Abstract Book, page 212, Zoology 2014, 21st Benelux Congress of Zoology, Liege, Belgium (12-13 December 2014)

Laudisoit A., Falay D., Amundala N., Dudu A., Goüy De Bellocq J., Van Houtte N., Breno M., Verheyen E., Wilschut L., Parola P., Raoult D., Socolovschi C. 2014. High Prevalence of Rickettsia typhi and Bartonella Species in Rats and Fleas, Kisangani, Democratic Republic of the Congo. 1st International Conference on Biodiversity in the Congo Basin, 6-10 juin 2014, Kisangani, Republic Démocratique du Congo. page 212-213

Nagy Z. T., Chifundera Kusamba Z., Gvozdik V., Matthyssen S., Bodongola Akuboy J., Verheyen E., Mebert K., Kielgast J. 2014. Assessing the diversity of Congolese snakes with DNA barcoding. 1st International Conference on Biodiversity in the Congo Basin, 6-10 juin 2014, Kisangani, Republic Démocratique du Congo. page 145-16

Nagy Z. T., Verheyen E., Vreven E., Sonet G., Breman F., Jordaens K., van Houdt J., Danadu Mizani C., Snoeks J. 2014. Towards the DNA barcoding of the Congolese riverine fish fauna. 1st International Conference on Biodiversity in the Congo Basin, 6-10 juin 2014, Kisangani, Republic Démocratique du Congo. page 177

Laudisoit A., Chantrey J., Amundala N., Vanhoutte N., Crombe F., Birtles R., Verheyen E., Gouy De Bellocq J. 2014. Microdiversity inside macrobiodiversity: Zoonotic risk along the Congo River. 1st International Conference on Biodiversity in the Congo Basin, 6-10 juin 2014, Kisangani, Republic Démocratique du Congo. page 110-111

Gambalemoke Mbalitini S., Stanley W. T., Hutterer R., Kerbis Peterhans J.C., Mukinzi J.-C., Katuala P., Hulselmans J., Prevot V., Verheyen E., Dudu Akaibe B. 2014. Phylogéographie et diversité biologique des musaraignes (Soricomorpha, Soricidae) au N-E de la Cuvette congolaise en RD Congo. 1st International Conference on Biodiversity in the Congo Basin, 6-10 juin 2014, Kisangani, Republic Démocratique du Congo. page 160-161

Verhaert Vera, Covaci Adrian, Vanhaecke Lynn, Bouillon Steven, Abrantes Katya, Musibono Dieudonné, Verheyen Erik, Bervoets Lieven, Blust Ronny. 2014. Baseline levels and trophic transfer of persistent organic pollutants, selected pesticides and trace metals in surface water, sediments and biota from the Congo River Basin (DR Congo). 1st International Conference on Biodiversity in the Congo Basin, 6-10 juin 2014, Kisangani, Republic Démocratique du Congo, page 144

Decru Eva, Vreven Emmanuel, De Gelas Koen, Verheyen Erik, Snoeks Jos. 2014. A Story Of Unexpected species diversity: the case of the African Pike Hepsetus odoe (Bloch, 1794) (Characiformes: Hepsetidae). 1st International Conference on Biodiversity in the Congo Basin, 6-10 juin 2014, Kisangani, Republic Démocratique du Congo, page 153

Verheyen Erik, Borgès Alberto, Bouillon Steven, Cocquyt Christine, Snoeks Jos, Dudu Akaibe. 2014. Congo Basin: From Carbon To Fishes –The Cobafish Project. 1st International Conference on Biodiversity in the Congo Basin, 6-10 juin 2014, Kisangani, Republic Démocratique du Congo, page 221

Laudisoit A., Falay D., Dudu A., Patterson C., Chantrey J., Amundala N., Van Houtte N., Gouy de Bellocq J., Reece S., Brian I., O'Donnell A., Piccardeau M., Wollants E., Van Ranst M., Lemey P., Drexler F., Drosten C., Gryseels S., Leirs H., Verheyen E. 2013. Microdiversity inside macrobiodiversity: Zoonotic risk along the Congo river. International workshop "Bats, small mammals and infectious agents" (Saint-Denis, Reunion Island November 4-5, 2013) p. 5-6

Verheyen E., Breman F., Hanssens M., Nagy Z. T., Sonet, G., Jordaens, K., van Houdt, J., Vreven, E., Mizani, C. D., Pato, U. A., Snoeks, J. 2012. The reliability of DNA barcoding in Congolese fishes through the comparison of two independently generated data sets. Third European Conference for the Barcode of Life (ECBOL3), abstract book p. #

Verheyen, E., Vreven, E., Nagy, Z. T., Sonet, G., Breman, F., Jordaens, K., van Houdt, J., Hanssens, M., Mizani, C. D. Snoeks, J. 2012. The reliability of DNA barcoding in Congolese fish through the comparison of two independently generated data sets in Program and abstracts book of the Third European Conference for the Barcode of Life, Brussels, Belgium, 17-20 September 2012 (p. 71).

Laudisoit A., Falay D., Akaike D., Paterson C., Chantrey J., Amundala N, Van Houtte N., Gouy de Bellocq J., Reece S., Brian I., O'Donnell A., Piccardeau M., Wollants E., Van Ranst M., Lemey P., Drexler F., Drosten C., Gryseels S., Verheyen E. 2012. Microdiversity inside macrobiodiversity: zoonotic risk along the Congo river. British Society for Parasitology, Spring Meeting, 2th -5th April 2012, Glasgow, Scotland, p. #.

Amundala D, Hulselmans J, Verheyen E, Dudu A, Leirs H 2011. A new species of *Mus* (Linnaeus, 1758) genus in Kisangani region (Democratic Republic of Congo. Abstractbook 11th African Small Mammal Symposium, Swaziland, page 71

Gambalemoke M, Mukinzi I, Amundala D, Khasirikani D Dudu A, Katuala P. G. B., Hutterer R, Verheyen E 2011. Ecological data based on trapping success, and habitat preferences: the Case of *Crocidura olivieri* (Lesson, 1827), and *Scutisorex somereni* (Thomas, 1910) from the Democratic Republic of Congo. Abstractbook 11th African Small Mammal Symposium, Swaziland, page 78

de Bellocq JG, Leirs H, Bryja J, Makundi R, Madebo M, Patzenhauerová H, Šumbera R, Cížková D, Mazoch V, Zima J, Gryseels S, Dudu A, Amundala N, Kennis J, Verheyen E, Laudisoit A, Schmidt-Chanasit J, Günther S (2011). Biogeography and evolutionary history of hantaviruses and arenaviruses in Africa. Call for participation. Abstractbook 11th African Small Mammal Symposium, Swaziland, page 79