

Personal details

Full Name Luke VERBURGT
DOB 31 March 1977
Nationality South African
Marital Status Married
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Education

Completed Degree and Institution

1994 Matric, Pietersburg Hoërskool, Polokwane, South Africa
1999 BSc in Zoology, University of Pretoria, Pretoria, South Africa
2002 BSc (Honours) in Zoology, University of Pretoria, Pretoria, South Africa
2006 MSc in Zoology (Evolutionary Biology, Behaviour, Bioacoustics), University of Pretoria, Pretoria, South Africa.

Memberships & Certificates

SACNASP registration for Zoological Science (member # 400506/11)
African Herpetological Society

Publications & Contributions

Bokhout, B., Verburgt, L. & Davies, A.B. 2015. *Afrotyphlops schlegelii* (Bianconi, 1847) Termite Mound Access Behaviour. Natural History Notes. African Herp News. 62: 16-22

Verburgt, L., Verburgt, U.K. & Bates, M.F. 2015. *Gerrhosaurus auritus* (Boettger, 1887). Geographical Distribution. African Herp News. 62: 48-49

Yetman, C.A., Verburgt, L. & Laurence, S.D. 2015. *Pixyicephalus adspersus* (Tschudi, 1838). Geographical Distribution. African Herp News. 62: 50-53

Verburgt, L., Broadley, D.G. 2015. A new species of *Scolecoseps* (Reptilia: Scincidae) from northeastern Mozambique. *Arnoldia* in press 001-002

Verburgt, L. Conradie, W.C. 2015. A new species of *Hyperolius* (Anura: Hyperoliidae) from north-eastern Mozambique. *Zootaxa* in press 001-002

Verburgt, L., Clark, T.K., Cauldwell, A.E., Branch, W.R. 2013. First record of the White-spotted Wolfsnake (*Lycophidion albomaculatum* Steindachner, 1870) in Sierra Leone. African Herp News. 59: 46-48

Verburgt, L., Yetman, C.A. 2012. Geographic range extension for the Giant Bullfrog (*Pyxicephalus adspersus* Tschudi, 1838). African Herp News. 57: 18-20

Verburgt, L., Broadley, D.G. 2012. First record of the Eastern Tree Skink (*Trachylepis planifrons*, 1878) in Malawi. African Herp News. 57: 20-22

Verburgt, L., van Tonder, H., Broadley, D.G. 2012. Geographic range extension for the Katanga Thicktoed Gecko (*Pachydactylus katanganus* de Witte, 1953). African Herp News. 57: 23-26

Boyles, J.G., Verburgt, L., McKechnie, A.E., Bennett, N.C. (2012) Heterothermy in two mole-rat species subjected to interacting thermoregulatory challenges. *Journal of Experimental Zoology Part A*. 317(2):73-82

Koehler, A., Verburgt, L., Fleming, P.A., McWhorter, T.J., Nicolson, S.W. (2011) Interruptions in nectar availability: can whitebellied sunbirds (*Cinnyris talatala*) and brown honeyeaters (*Lichmera indistincta*) cope? *Emu*. 111:252-258

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Verburgt, L., Ferreira, M., Ferguson, J.W.H. (2011) Male field cricket song reflects age, allowing females to prefer young males. *Animal Behaviour*. 81:19-29

Koehler, A., Leseigneur, C.D.C., Verburgt, L., Nicolson, S.W. (2010) Dilute bird nectars: viscosity constrains food intake by licking in a sunbird. *American Journal of Physiology-Reg Integr & Comp*. 299:1068-1074

Verburgt, L., Ferguson, J.W.H. (2010) Mate choice in field crickets: can females acoustically detect male body size? *Journal of Ethology*. 28(1):141-151

Fleming, P.A., Verburgt, L., Scantlebury, M., Medger, K., Bateman, P.W. (2009) Jettisoning ballast or fuel? Caudal autotomy and locomotory energetics of the Cape dwarf gecko *Lygodactylus capensis* (Gekkonidae). *Physiological and Biochemical Zoology*. 82(6):756-765

Unck, C.E., Waterman, J.M., Verburgt, L., Bateman, P.W. (2009) Quantity versus quality: how does level of predation threat affect Cape ground squirrel vigilance? *Animal Behaviour*. 78(3):625-632

de Bruyn, P.J.N., Landman, M., Tambling, C.J., Verburgt, L. (2009) Does science serve the wildlife industry? A critique of von Brandis & Reilly (2008). *South African Journal of Wildlife Research*. 39(1):103-105

Koehler, A., Verburgt, L., Nicolson, S.W. (2008) Nectar intake of whitebellied sunbirds (*Cinnyris talatala*): Can meal size be inferred from feeding duration? *Physiological and Biochemical Zoology*. 81(5):682-687

Koehler, A., Verburgt, L., Fleming, P.A., Nicolson, S.W. (2008) Changes in nectar concentration: how quickly do whitebellied sunbirds (*Cinnyris talatala*) adjust feeding patterns and food intake? *Journal of Comparative Physiology B*. 178:785-793

Medger, K., Verburgt, L., Bateman, P.W. (2008) The Influence of Tail Autotomy on the Escape Response of the Cape Dwarf Gecko, *Lygodactylus capensis*. *Ethology*. 114:42-52"

Verburgt, L., Ferguson, J.W.H., Weber, T. (2008) Phonotactic response of female crickets on the Kramer treadmill: methodology, sensory and behavioural implications. *J Comp Physiol A*. 194:79-96

Leseigneur, C.D.C., Verburgt, L., Nicolson, S.W. (2007) Whitebellied sunbirds (*Nectarinia talatala*, Nectariniidae) do not prefer artificial nectar containing amino acids. *J. Comp. Physiol. B*. 177:679-685

Koehler, A., Verburgt, L., Nicolson, S.W. (2006) Short-term energy regulation of whitebellied sunbirds (*Nectarinia talatala*): effects of food concentration on feeding frequency and duration. *Journal of Experimental Biology*. 209:2880-2887

Bateman, P.W., Verburgt, L., Ferguson, J.W.H. (2005) Male song stimulates more rapid investment in eggs in the cricket *Gryllodes sigillatus*. *African Zoology*. 40:323-326

In preparation: Verburgt, L., Verburgt, UK & Ferguson, JWH. Paper on the influence of wing structure, on sound production in crickets

Employment & work-related experiences

2009 - present	Co-Director and Co-Owner of Enviro-Insight CC, Lead-Herpetologist and GIS specialist.
2007 - present	Scientific Collaborations, University of Pretoria
2006 - present	Software development, database management, web-design
2005 - present	Co-supervisor, University of Pretoria
2001-2010	Demonstrator and Lecturer, University of Pretoria
1995-1995	Project Assistant, Blouberg Conservation Project

Key areas of expertise

Herpetological Assessments and Survey, Environmental Impact Assessments, Biodiversity and Ecological Assessments, Environmental Management and Monitoring Plans, GIS mapping, Spatial analyses, Statistics, Health and Safety Training, Project Management

Language skills

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Afrikaans	Good	Fair	Basic
Portuguese	Basic	Basic	None
German	Fair	Fair	None
Northern Sotho	Basic	None	None

References

Prof, JWH Ferguson, willemferguson@zoology.up.ac.za
 Prof, AE McKechnie, aemckechnie@zoology.up.ac.za
 Prof, CT Chimimba, ctchimimba@zoology.up.ac.za

Project Experience

Please turn over >>>

Project Experience

For further details please contact me directly under luke@enviro-insight.co.za

Time span	Nature of project	Capacity	Industry / Sector	Client / Developer	Country (Province)
2003	Herpetology Specialist Study	Herpetologist	Development / Housing	EcoCheck / Environmental Services and Art	South Africa (Gauteng)
2006	Herpetology Specialist Study	Herpetologist	Mining / Uranium	Ferret & Environmental Services / Borent	South Africa (Mpumalanga)
2007	Herpetology Specialist Study	Herpetologist	Mining / Coal	Ferret Mining & Environmental Services / Borent	South Africa (Gauteng)
2007	Herpetology Specialist Study	Herpetologist	Mining / Coal	Ferret & Environmental Services / Borent	South Africa (Mpumalanga)
2007	Herpetology Specialist Study	Herpetologist	Mining / Coal	Ferret & Environmental Services / Borent	South Africa (Mpumalanga)
2007	Herpetology Specialist Study	Herpetologist	Mining / Coal	Ferret & Environmental Services / Borent	South Africa (Mpumalanga)
2007	Herpetology Specialist Study	Herpetologist	Mining / Coal	Ferret & Environmental Services / Borent	South Africa (Western & Eastern Cape)
2008	Herpetofauna bio-survey on Tswalu Kalahari Reserve	Herpetologist	Development / Conservation	De Beers	South Africa (Northern Cape)
2009	Python Scoping	Herpetologist	Development / Agriculture	EkolInfo	South Africa (Gauteng)
2009	Herpetofauna bio-survey on Dronfield, Benfontein & Rooipoort	Herpetologist	Development / Conservation	De Beers	South Africa (Northern Cape)
2010	Flora & Fauna Biodiversity Assessment with EIA	Herpetologist	Energy / Hydroelectricity	Rural Maintenance / Malawi Government	Malawi (Northern)
2010	Monitoring	Herpetologist	Research / Biodiversity	University of Pretoria / CEFS	South Africa (Gauteng)
2010	Monitoring	Assistant Mammalogist	Mining / Coal	Impacto / VALE	Mozambique (Tete)
2010	Health & Safety Service - Snake removal	Herpetologist	Energy / Health & Safety	ESKOM	South Africa ()
2010	Python Scoping	Herpetologist	Development / Housing	AGES	South Africa (Gauteng)
2010 - 2011	Flora & Fauna Biodiversity Assessment (dual season)	Herpetologist	Energy / Hydroelectricity	Impacto / Mozambique Government	Mozambique (Tete)
2010	Python Scoping & Vegetation Functionality	Herpetologist	Agriculture / Livestock	AGES	South Africa (Gauteng)
2010 - 2011	Environmental Training - Dangerous Game & Venomous Snakes	Course Presenter	Energy / Education & Training	Endangered Wildlife Trust (EWT) / ESKOM	South Africa (Throughout)
2011	Flora & Fauna Biodiversity Assessment - dual season EIA	Herpetologist	Mining / Coal	EkolInfo	South Africa (Mpumalanga)
2011	Flora & Fauna Biodiversity Assessment with dual season EIA	Herpetologist	Mining / Oil & Gas	Impacto & ERM / Anadarko	Mozambique (Cabo Delgado)

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2011	Flora & Fauna Biodiversity Assessment - dual season EIA	Herpetologist	Mining / Coal	EkolInfo	South Africa (Mpumalanga)
2011	Flora & Fauna Biodiversity Assessment with dual season EIA	Herpetologist	Mining / Oil & Gas	Impacto & ERM / Anadarko	Mozambique (Cabo Delgado)
2011	Flora & Fauna Biodiversity Assessment with EIA	Fauna specialist & Ecologist	Mining / Coal	Impacto / Jindal	Mozambique (Tete)
2011	Faunal Assessment with EIA	Herpetologist	Hydrology / Water security	Impacto / Moamba Major Damming Project	Mozambique (Maputo)
2011	Flora & Fauna Biodiversity Assessment with EIA	Herpetologist	Mining / Coal	Rural Maintenance / Malawi Government	Malawi (Northern)
2011	Aerial Ecological Survey	Ecologist	Energy / Transmission	Promap / Madagascar Government	Madagascar (Toamasina / Antananarivo)
2011	Faunal Assessment with dual season EIA	Herpetologist	Mining / Coal	Impacto / Ncondezi	Mozambique (Tete)
2011	Research	Herpetologist	Research / Taxonomy	Macquarie University Australia / Martin Whiting	South Africa (Limpopo)
2011	Environmental Impact Assessment (single season)	Herpetologist	Mining / Iron Ore	Pachnoda / Aquila Steel	South Africa (Limpopo)
2011	Scoping Assessment for EIA	Herpetologist	Mining / Coal	EkolInfo / Anglo Coal	South Africa (Limpopo)
2012	Python Scoping	Herpetologist		Pachnoda	South Africa ()
2012	Environmental Training - Venomous Snakes	Course Presenter	Education & Training	Geo Pollution Technologies	South Africa (Gauteng)
2012	Scoping Assessment	Herpetologist	Mining / Iron Ore	ERM / China Union	Liberia (Bong County)
2012	Environmental Impact Assessment (single season)	Herpetologist	Mining / Infrastructure	ERM / China Union	Liberia (Bong County)
2012 - 2013	Environmental Impact Assessment (dual season)	Herpetologist	Mining / Iron Ore	ERM / Western Cluster Limited	Liberia (Bomi County or Grand Cape Mt)
2012	Health & Safety Service - Container clearing	Herpetologist	Mining / Oil & Gas	Anadarko	Mozambique (Cabo Delgado)
2012	Flora & Fauna Biodiversity Assessment with dual season EIA	Herpetologist	Mining / Oil & Gas	Impacto & ERM / Anadarko	Mozambique (Cabo Delgado)
2012	Biodiversity Assessment	Herpetologist	Mining / Coal	Borent / Exxaro	South Africa (Mpumalanga)
2012	Biodiversity Assessment	Herpetologist	Mining / Coal	Borent / Exxaro	South Africa (Kwa-Zulu Natal)
2012	Flora & Fauna Biodiversity Assessment with dual season EIA	Herpetologist	Mining / Iron Ore	EkolInfo / Exxaro	South Africa (Limpopo)
2012	Biodiversity Assessment	Ecologist	Development / Housing	Stefan Frylinck & Associates	South Africa (Mpumalanga)
2012	Biodiversity Assessment	Herpetologist	Mining / Coal	EkolInfo / Coffey Mining	Mozambique (Tete)
2013	Environmental Impact Assessment (dual season)	Herpetologist	Mining / Iron Ore	ERM / Western Cluster Limited	Liberia (Bomi County / Grand Cape Mt)
2013	Environmental Impact Assessment - Update & Expansion	Herpetologist	Mining / Oil & Gas	Impacto & RS2 / Anadarko	Mozambique (Cabo Delgado)

Time span	Nature of project	Capacity	Industry / Sector	Client / Developer	Country (Province)
2013	Flora & Fauna Biodiversity Assessment with EIA	Herpetologist & Mammalogist / Fauna specialist	Agriculture / Sugarcane	Impacto / MAI	Mozambique (Gaza)
2013	Bullfrog survey with EIA & recommendations for tailings storage facility	Herpetologist	Mining / Platinum	Prescali	South Africa (North-West)
2013	Flora & Fauna Biodiversity Assessment with EIA	Herpetologist	Agriculture / Forestry	Impacto / Portucel	Mozambique (Zambezia & Manica)
2013	Environmental Management Plan & Tree marking & Walkdown	Ecologist	Energy / Transmission	Baagi / Eskom	South Africa (Northern Cape)
2013	Biodiversity Assessment	Herpetologist	Development / Housing	ekoInfo	South Africa (Gauteng)
2013	Biodiversity Assessment	Herpetologist	Mining / Coal	ekoInfo / Coffey Mining	Mozambique (Tete)
2013	Flora & Fauna Biodiversity Assessment with EIA	Ecologist	Development / Industrial	Worley Parsons / ArcelorMittal	South Africa (Western Cape)
2013	Biodiversity Assessment	Herpetologist	Mining / Coal	ekoInfo / Exxaro	South Africa (Mpumalanga)
2014	Biodiversity Assessment (dual season)	Herpetologist	Mining / Iron Ore	ekoInfo / Exxaro	South Africa (Limpopo)
2014	Flora & Fauna Biodiversity Assessment	Ecologist		Impacto / Kingho	Mozambique (Tete)
2014	Environmental Impact Assessment - Update & Expansion	Herpetologist	Mining / Oil & Gas	Impacto & RS2 / Anadarko	Mozambique (Cabo Delgado)
2014	Biodiversity Assessment	Ecologist	Development / Farming	Red Ant	South Africa (Gauteng)
2014	Biodiversity Assessment with EIA	Herpetologist		Impacto / Italthai	Mozambique (Zambezia & Tete)
2015	Research Ptysaurus lizards	Herpetologist	Research / Taxonomy	n/a	South Africa (Limpopo)
2015	Rapid Grassland Assessment	Ecologist		Bokamoso	South Africa ()
2015	Monitoring - Terrestrial Fauna & Flora	Fauna specialist & Ecologist	Mining / Coal	Golder Associates / Rio Tinto Mozambique	Mozambique (Tete)
2015	Rapid Bio Survey	Herpetologist	n/a	n/a	South Africa (Limpopo)
2015	Gap Analysis	Herpetologist	Mining / Gold	Aureus	Liberia (Grand Cape Mt)
2015	Environmental Impact Assessment (dual season)	Herpetologist	Mining / Gold	Aureus	Liberia (Grand Cape Mt)
2015	Environmental Impact Assessment	Herpetologist	Mining / Uranium & Molybdenum	TBC / Ferret	South Africa (Western & Eastern Cape)