

# Table of Contents

Bothalia - African Biodiversity &amp; Conservation

ISSN: 0006-8241 (print) | ISSN: 2311-9284 (online)

Vol 49, No 1 (2019)

## Short Communication

1

How far and how old: Longevity and displacement records from the South African Bird Ringing Scheme for Ardeidae, Threskiornithidae and Ciconiidae

*Sanjo Rose, Hans-Dieter Oschadleus, Dane Pajmans*

Bothalia | Vol 49, No 1 | a2333 | 15 January 2019

## Short Communication

9

Using large-scale citizen science ringing data as a means of calculating maximum longevity in birds

*Dane M. Pajmans, Sanjo Rose, Hans-Dieter Oschadleus*

Bothalia | Vol 49, No 1 | a2389 | 17 October 2019

## Short Communication

24

Double trouble: Description of an attack on a nesting *Delta* sp. (Vespidae) by two *Stilbum cyanurum* (Chrysididae) cuckoo wasps

*Adam Shuttleworth*

Bothalia | Vol 49, No 1 | a2387 | 25 February 2019

## Short Communication

30

Determining the type locality and collector of Nylander's South African lichens

*Ian D. Medeiros*

Bothalia | Vol 49, No 1 | a2384 | 26 February 2019

## Short Communication

35

Typification and application of the name *Arctotis grandiflora* Aiton (Asteraceae: Arctotideae)

*Robert J. McKenzie*

Bothalia | Vol 49, No 1 | a2376 | 11 March 2019

## Original Research

41

Vegetation, floristic composition and structure of a tropical montane forest in Cameroon

*Moses N. Sainge, Ngoh M. Lyonga, Gildas P.T. Mbatchou, David Kenfack, Felix Nchu, Andrew T. Peterson*

Bothalia | Vol 49, No 1 | a2270 | 08 January 2019

## Original Research

53

Vegetation of Akkerendam Nature Reserve, Northern Cape: Delineation and dynamics over 100 years

*Helga van der Merwe, M. Timm Hoffman*

Bothalia | Vol 49, No 1 | a2401 | 11 March 2019

## Original Research

62

The alpine flora on inselberg summits in the Maloti-Drakensberg Park, KwaZulu-Natal, South Africa

*Robert F. Brand, Charles R. Scott-Shaw, Timothy G. O'Connor*

Bothalia | Vol 49, No 1 | a2386 | 12 March 2019

## Original Research

77

Indigenous vascular plants of the Soutpansberg, South Africa

*Norbert Hahn*

Bothalia | Vol 49, No 1 | a2402 | 02 July 2019

## Original Research

82

Distribution, habitat profile and genetic variability of Namibian succulent *Lithops ruschiorum*

*Sonja Loots, Christiane M. Ritz, Michaela Schwager, Jasna Sehic, Veit Herklotz, Larisa Garkava-Gustavsson, Hilde E. Nybom*

Bothalia | Vol 49, No 1 | a2408 | 01 August 2019

## Original Research

100

Aspects of the population biology, life history and threats to *Aloe ortholopha* Christian and Milne-Redh.: A serpentine endemic from the northern Great Dyke of Zimbabwe

*Ngoni I. Kunonga, Tamuka Nhiwatiwa, Mduduzi Tembani, Shakkie Kativu*

Bothalia | Vol 49, No 1 | a2396 | 26 February 2019

## Original Research

108

Notes on the morphology, ecology and distribution of *Quisqualis parviflora* (Combretaceae)

*Richard G.C. Boon*

Bothalia | Vol 49, No 1 | a2417 | 03 October 2019

## Original Research

113

Vegetation Map of South Africa, Lesotho and Swaziland 2018: A description of changes since 2006

*Anisha Dayaram, Linda R. Harris, Barend A. Grobler, Stephni van der Merwe, Anthony G. Rebelo, Leslie Ward Powrie, Johannes H.J. Vlok, Philip G. Desmet, Mcebisi Qabaqaba, Keneilwe M. Hlahane, Andrew L. Skowno*

Bothalia | Vol 49, No 1 | a2452 | 17 October 2019

## Original Research

124

Distribution of invasive alien *Tithonia* (Asteraceae) species in eastern and southern Africa and the socio-ecological impacts of *T. diversifolia* in Zambia

*Arne B.R. Witt, Ross T. Shackleton, Tim Beale, Winnie Nunda, Brian W. van Wilgen*

Bothalia | Vol 49, No 1 | a2356 | 10 January 2019

## Original Research

135

*Asphodelus fistulosus* L., a newly discovered plant invader in South Africa: Assessing the risk of invasion and potential for eradication

*Nolwethu Jubase, Jorge L. Renteria, David Maphisa, Ernita van Wyk*

Bothalia | Vol 49, No 1 | a2372 | 23 July 2019

## Original Research

147

Development of alien and invasive taxa lists for regulation of biological invasions in South Africa

*Moleseng C. Moshobane, Mukundi Mukundamago, Samuel Adu-Acheampong, Ross Shackleton*

Bothalia | Vol 49, No 1 | a2361 | 21 August 2019

## Original Research

158

Fifty shades of red: Lost or threatened bryophytes in Africa

*Jacques van Rooy, Ariel Bergamini, Irene Bisang*

Bothalia | Vol 49, No 1 | a2341 | 14 January 2019

**Original Research****165**

Threatened medicinal and economic plants of the Sudan Savanna in Katsina State, northwestern Nigeria

*Abubakar Bello, Sirajo Jamaladdeen, Muhammad T. Elder, Samaila S. Yaradua, Sulaiman S. Kankara, Nasiru H. Wagini, Charles H. Stirton, Muthama Muasya*

Bothalia | Vol 49, No 1 | a2325 | 04 April 2019

**Original Research****182**

*Borassus aethiopum* Mart. (Arecaceae) in Limpopo province with a key to South African palms

*Stefan J. Siebert, Madeleen Struwig*

Bothalia | Vol 49, No 1 | a2374 | 25 February 2019

**Original Research****188**

*Lithospermum sylvestre* (Boraginaceae): A new species from the Baviaanskloof, Eastern Cape, South Africa

*James I. Cohen, John C. Manning, Doug Euston-Brown*

Bothalia | Vol 49, No 1 | a2411 | 25 June 2019

**Original Research****193**

*Massonia villosa* (Hyacinthaceae), a new species from the Roggeveld, Northern Cape, South Africa

*John C. Manning*

Bothalia | Vol 49, No 1 | a2413 | 26 June 2019

**Original Research****197**

Taxonomic notes on the genus *Neorautanenia* (Fabaceae–Phaseoleae)

*Siyabonga Tibini, Tlou S. Manyelo, Annah Moteetee*

Bothalia | Vol 49, No 1 | a2405 | 24 July 2019

**Original Research****206**

The importance of museum collections in determining biodiversity patterns, using a freshwater mussel *Unio caffer* (Krauss 1848) as an example

*Bayanda Sonamzi, Musa C. Mlambo, Chris C. Appleton, Helen M. Barber-James*

Bothalia | Vol 49, No 1 | a2400 | 24 June 2019

**Original Research****213**

Has strategic planning made a difference to amphibian conservation research in South Africa?

*John Measey, Jeanne Tarrant, Alex Rebelo, Andrew Turner, Louis du Preez, Mohlamatsane Mokhatla, Werner Conradie*

Bothalia | Vol 49, No 1 | a2428 | 25 September 2019

**Original Research****226**

Spider checklist for the Blouberg, in the Vhembe Biosphere Reserve, South Africa

*Stefan Foord, Anna S. Dippenaar-Schoeman, Charles R. Haddad, Colin Schoeman, Norbert Hahn, Robin Lyle*

Bothalia | Vol 49, No 1 | a2455 | 30 September 2019

**Original Research****239**

The avifauna of the forest mosaic habitats of the Mariarano region, Mahajanga II district, north-west Madagascar

*Rachel H. Palfrey, Jack Baddams, Bruno A. Raveloson, Solohery Rasamison, Fionn Ó Marcaigh, Jamie Neaves, Peter R. Long, Thomas E. Martin*

Bothalia | Vol 49, No 1 | a2416 | 24 October 2019

**Original Research****246**

Honeybush (*Cyclopia* spp.) phenology and associated arthropod diversity in the Overberg region, South Africa

*Eleonore L. Slabbert, Rhoda R. Malgas, Ruan Veldtman, Pia Addison*

Bothalia | Vol 49, No 1 | a2430 | 28 October 2019

**Review Article****259**

Hitchhikers' guide to the legal context of protected area management plans in South Africa

*Magda Goosen, Andrew C. Blackmore*

Bothalia | Vol 49, No 1 | a2399 | 08 January 2019

**Review Article****269**

Invasive alien plants occurring in Lesotho: Their ethnobotany, potential risks, distribution and origin

*Khotso Kobisi, Lerato Seleteng-Kose, Annah Moteetee*

Bothalia | Vol 49, No 1 | a2453 | 29 October 2019

**Nomenclatural Change****280**

A new name in southern African *Justicia* L. (Acanthaceae)

*John C. Manning*

Bothalia | Vol 49, No 1 | a2380 | 09 January 2019

**Nomenclatural Change****282**

New synonyms and combinations in *Drimia* Jacq. (Hyacinthaceae) in southern Africa

*John C. Manning*

Bothalia | Vol 49, No 1 | a2412 | 10 April 2019

**Nomenclatural Change****287**

The correct identity of *Lasiosiphon microphyllus* (Meisn.) Meisn. (Thymelaeaceae) and the new combination *Lasiosiphon kuntzei* (Gilg.) R.Kolokoto & Magee

*Refilwe Kolokoto, James S. Boatwright, John C. Manning, Lize von Staden, Anthony R. Magee*

Bothalia | Vol 49, No 1 | a2383 | 19 August 2019

**New Distribution Record****290**

First record of *Botryococcus braunii* Kützing from Namibia

*Sanet Janse van Vuuren, Anatoliy Levanets*

Bothalia | Vol 49, No 1 | a2382 | 09 January 2019

**New Distribution Record****295**

Three new Drosophilidae species records for South Africa

*Liana I. De Araujo, Minette Karsten, John S. Terblanche*

Bothalia | Vol 49, No 1 | a2429 | 26 June 2019

**Reviewer Acknowledgement****300**

Bothalia | Vol 49, No 1 | a2480 | 08 November 2019