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CORRIGENDUM

CORRECTIONS TO A CITIZENS SCIENCE APPROACH TO MONITORING OF THE LION *PANTHERA LEO* (CARNIVORA: FELIDAE) POPULATION IN NIOKOLO-KOBA NATIONAL PARK, SENEGAL

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Corrections to A citizens science approach to monitoring of the Lion *Panthera leo* (Carnivora: Felidae) population in Niokolo-Koba National Park, Senegal

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Following publication of this article on 26 January 2020 (*Journal of Threatened Taxa* 12(1): 15091–15105) <<https://doi.org/10.11609/jott.5549.12.1.15091-15105>>, the authors were able to re-examine all of the collected photographs with Sara Blackburn, an expert in lion identification. In addition to the whisker spot patterns employed for identification in our original study, we took account of the following supplementary characteristics: (i) the shape of the whisker spot lines, (ii) the lines of additional whisker spots next to the nose, (iii) the general shape and pattern of the "creases" down and across the nose and of the "eyebrows" and (iv) the pattern of spots on the forehead (especially for photos taken within a period of three months). Only in the case of multiple matches of supplementary characteristics, correspondence of available partial whisker spot patterns, and an absence of contradictory data were two lions considered to be identical.

As a result of this analysis, for which we gratefully acknowledge the assistance of Ms. Blackburn, two nearly certain duplicate identifications and one additional potential duplicate identification were detected relative to our original article. A corrected section on **Identification of individual lions** is reproduced below; no other parts of the article require correction.

Identification of individual lions

Tourist parties submitted photographs and videos of 22 lion observations, using equipment ranging from smartphones to professional level cameras. On the basis of the best of these images, identification sheets for 8 individual lions, described in Table 4, were established and have been made available at <http://niokolo-safari.com/lions.htm>

It is noteworthy that three of the five identified females were re-sighted during the study (and that two of the identified females may have been a single individual), but that none of the three identified males were definitively re-sighted (although it is possible that two of them were the same individual). This is consistent with the existence during the latter part of the study period, when individual lions could be identified, of a core local population of four or more adult lionesses and a lesser number of males who may have been more mobile, possibly due to their larger home ranges and/or biome preferences as discussed below.

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Table 4. Summary of individual lions identified from photographs (* and + = possible shared identity; ? = possible re-sighting)

File number	Name of lion	Sex	Estimated birth year	First observed	Characteristics	Relationships	Re-sightings
1	Alakay*	M	2014–2015	15.i.2017	Whisker spots left side	Possibly same as Kaly, seen with three possible brothers and possible mother	
2	Fidji	M	2009–2013	09.ix.2017	Whisker spots left and right, multiple scars	Seen with Gia	
3	Gia	F	<2010	09.ix.2017	Whisker spots left and right, multiple scars, vitreous right eye	Seen with Fidji	
4	Dinbadjinma	F	2015	15.xi.2017	Whisker spots left and right sides, possible deformed right ear	Seen with Awa (possible sister) and possible mother, then with Banna	24.xii.2017 21.i.2019? 16.ii.2019
5	Awa	F	2015	15.xi.2017	Whisker spots left and right sides	Seen with Dinbadjinma (possible sister) and possible mother, then with Adama	24.xii.2017 08.ii.2018 12.ii.2018? 03.iv.2018?
6	Adama+	F	2010–2013	08.ii.2018	Whisker spots left side, scar on left hind leg	Possibly same as Banna, seen with Awa	03.iv.2018
8	Banna+	F	2013–2015	16.ii.2019	Whisker spots right side, scars on right front leg and at base of tail	Possibly same as Adama, seen with Dinbadjinma	
10	Kaly*	M	2012–2015	30.iv.2019	Whisker spots right side and partially on left, badly scarred muzzle, broken upper left canine	Possibly same as Alakay, seen with 2 other lions	



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Communications

Dusky Langurs *Trachypitecus obscurus* (Reid, 1837) (Primates: Cercopithecidae) in Singapore: potential origin and conflicts with native primate species
– Andie Ang, Sabrina Jabbar & Max Khoo, Pp. 15967–15974

A new report on mixed species association between Nilgiri Langurs *Semnopithecus johnii* and Tufted Grey Langurs *S. priam* (Primates: Cercopithecidae) in the Nilgiri Biosphere Reserve, Western Ghats, India
– K.S. Chetan Nag, Pp. 15975–15984

A review of the bacular morphology of some Indian bats (Mammalia: Chiroptera)
– Bhargavi Srinivasulu, Harpreet Kaur, Tariq Ahmed Shah, Gundena Devender, Asad Gopi, Sreehari Raman & Chelmala Srinivasulu, Pp. 15985–16005

Status of the Critically Endangered Bengal Florican *Houbaropsis bengalensis* (Gmelin, 1789) in Koshi Tappu Wildlife Reserve, Nepal
– Hem Sagar Baral, Tek Raj Bhatt, Sailendra Raj Giri, Ashok Kumar Ram, Shyam Kumar Shah, Laxman Prasad Poudyal, Dhiraj Chaudhary, Gitanjali Bhattacharya & Rajan Amin, Pp. 16006–16012

Observations on breeding behaviour of a pair of endangered Egyptian Vultures *Neophron percnopterus* (Linnaeus, 1758) over three breeding seasons in the plains of Punjab, India
– Charn Kumar, Amritpal Singh Kaleka & Sandeep Kaur Thind, Pp. 16013–16020

Additions to the cicada (Insecta: Hemiptera: Cicadidae) fauna of India: first report and range extension of four species with notes on their natural history from Meghalaya
– Vivek Sarkar, Cuckoo Mahapatra, Pratyush P. Mohapatra & Manoj V. Nair, Pp. 16021–16042

The perceptions of high school students on the habitat of the crab *Ucides cordatus* (Linnaeus, 1763) (Crustacea: Decapoda: Ucidae) in northern Rio de Janeiro State, southeastern Brazil
– Laiza Fernanda Quintanilha Ribeiro, Laura Helena de Oliveira Côrtes & Ana Paula Madeira Di Benedetto, Pp. 16043–16047

Woody species diversity from proposed ecologically sensitive area of northern Western Ghats: implications for biodiversity management
– M. Tadwalkar, A. Joglekar, M. Mhaskar & A. Patwardhan, Pp. 16048–16063

Resolving taxonomic problems in the genus *Ceropegia* L. (Apocynaceae: Asclepiadoideae) with vegetative micromorphology
– Savita Sanjaykumar Rahangdale & Sanjaykumar Ramlal Rahangdale, Pp. 16064–16076

A checklist of angiosperm flora of low elevation lateritic hills of northern Kerala, India
– K.A. Sreejith, V.B. Sreekumar, P. Prashob, S. Nita, M.P. Prejith & M.S. Sanil, Pp. 16077–16098

Phytdiversity of chasmophytic habitats at Olichuchattam Waterfalls, Kerala, India
– Arun Christy & Binu Thomas, Pp. 16099–16109

Contribution to the macromycetes of West Bengal, India: 51–56
– Diptosh Das, Entaj Tarafder, Meghma Bera, Anirban Roy & Krishnendu Acharya, Pp. 16110–16122

Short Communications

Catalogue of herpetological specimens from peninsular India at the Sâlim Ali Centre for Ornithology & Natural History (SACON), India
– S.R. Ganesh, S. Bhupathy, P. Karthik, G. Babu Rao & S. Babu, Pp. 16123–16135

Osteological description of Indian Skipper Frog *Euphlyctis cyanophlyctis* (Anura: Dicroglossidae) from the Western Ghats of India
– Pankaj A. Gorule, Sachin M. Gosavi, Sanjay S. Kharat & Chandani R. Verma, Pp. 16136–16142

Member



DNA barcode reveals the occurrence of Palearctic *Olepa schlei* Witt et al., 2005 (Lepidoptera: Erebidae: Arctiinae) from peninsular India with morphological variations and a new subspecies
– Aparna Sureshchandra Kalawate, Shital Pawara, A. Shabnam & K.P. Dinesh, Pp. 16143–16152

Present status of the genus *Sphrageidus* Maes, 1984 (Lepidoptera: Erebidae: Lymantriinae) from India
– Amritpal Singh Kaleka, Devinder Singh & Gagan Preet Kour Bali, Pp. 16153–16160

Early stages of Nilgiri Grass Yellow *Eurema nilgiriensis* (Yata, 1990) (Lepidoptera: Pieridae), with a note on its range extension in the Kerala part of the Western Ghats, India
– Balakrishnan Valappil & V.K. Chandrasekharan, Pp. 16161–16165

Notes

Breeding site records of three sympatric vultures in a mountainous cliff in Kahara-Thathri, Jammu & Kashmir, India
– Muzaffar A. Kichloo, Sudesh Kumar & Neeraj Sharma, Pp. 16166–16169

First distribution record of Elongated Tortoise *Indotestudo elongata* (Blyth, 1853) (Reptilia: Testudines: Testudinidae) from Bihar, India
– Arif, Sourabh Verma, Ayesha Mohammad Maslehuddin, Uttam, Ambarish Kumar Mall, Gaurav Ojha & Hemkant Roy, Pp. 16170–16172

The niche of shrimp stocks (*Xiphopenaeus kroyeri* Heller, 1862) from southeastern Brazil: a stable isotope approach
– Keltony de Aquino Ferreira, Leandro Rabello Monteiro & Ana Paula Madeira Di Benedetto, Pp. 16173–16176

First record of the White Tufted Royal *Pratapa deva lila* Moore, [1884] (Lepidoptera: Lycaenidae: Theclinae) from Himachal Pradesh, extending its known range westwards
– Sanjay Sondhi, Pp. 16177–16179

Range extension of the Lilac Silverline *Apharitis lilacinus* to southern Rajasthan and a review of the literature
– K.S. Gopi Sundar, Swati Kittur, Vijay Kumar Koli & Utkarsh Prajapati, Pp. 16180–16182

A record of gynandromorphism in the libellulid dragonfly *Crocothemis servilia* (Insecta: Odonata) from India
– R.V. Renjith & A. Vivek Chandran, Pp. 16183–16186

Carcass consumption by *Nasutitermes callimorphus* (Blattodea: Isoptera) in highland forests from Brazil
– Igor Eloi, Mário Herculano de Oliveira & Maria Avany Bezerra-Gusmão, Pp. 16187–16189

New records of nasutiform termite (Nasutitermitinae: Termitidae: Isoptera) from Meghalaya, India
– Khirod Sankar Das & Sudipta Choudhury, Pp. 16190–16192

Corrigendum

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