

# Conservation news

## What's in a name? Wildlife traders evade authorities using code words

Where rare species are concerned, including those with restricted range, their use for traditional medicine can have disastrous impacts on local populations already under pressure (UN Office on Drugs and Crime, 2016, [http://www.unodc.org/documents/data-and-analysis/wildlife/World\\_Wildlife\\_Crime\\_Report\\_2016\\_final.pdf](http://www.unodc.org/documents/data-and-analysis/wildlife/World_Wildlife_Crime_Report_2016_final.pdf)). Difficulty in monitoring such illegal activity has been illustrated by enforcement raids across India since June 2017 (National Geographic, 7 July 2017, <https://news.nationalgeographic.com/2017/07/wildlife-watch-india-monitor-lizard-poaching-plant-root-hatha-jodi/>), with authorities seizing supposedly rare Himalayan plant roots referred to as *hatha jodi*.

*Hatha jodi* (Plate 1) is purported to have magical powers to ward off bad luck and change lives, bringing wealth, power and contentment. These qualities make it an attractive purchase on Hindu tantric stores and websites. However, laboratory examinations in India and the UK in May 2017 have confirmed that *hatha jodi* is actually the dried hemipenes of Indian monitor lizards (Bengal monitor *Varanus bengalensis* and yellow monitor *Varanus flavescens*). The penalty for killing these species or dealing in their body parts is equivalent to doing so with a tiger in India (Wildlife Protection Act 1972 of India) and internationally (CITES Appendices, 2017).

This raises the question of whether customers and traders really believe they are dealing with plant roots. Is this, rather, a cover to disguise trade in protected lizards through the deliberate use of a code word? The latter would seem likely, as we documented hundreds of such advertisements carried by online retailers during a search made over a 4 week period in June 2017. The retailers included Amazon, eBay and Alibaba, which presumably did not realise they



PLATE 1 Monitor lizard (*Varanus* spp.) genitalia, sold as Hatha Jodi, a Himalayan plant root, by major online retailers. Image © Neil D'Cruze.

were involved in illegal sales, at prices of up to USD 250 apiece, of a species protected across Asia, Europe and North America.

Perhaps exaggerated respect given to spiritual myths thickened the smoke screen by trading unscrupulously on the religious connotations of *hatha jodi* (*Frontiers in Ecology and the Environment*, 2015, 13, 325). Either way, when it comes to illegal trade, the Shakespearian question 'What's in a name?' reveals more loopholes than a knitted scarf. We believe that, for effective enforcement of wildlife trade laws, in addition to a standardized naming policy based on up-to-date taxonomic classification (*Conservation Letters*, 2016, 9, 313), creation of a readily accessible list of colloquial names used as codes to sell globally protected species is essential.

NEIL D'CRUZE\*, BHAGAT SINGH, ANIRUDDHA MOOKERJEE and DAVID W. MACDONALD Wildlife Conservation Research Unit, The Recanati-Kaplan Centre, Department of Zoology, University of Oxford, Oxford, UK.  
E-mail [neil.dcruze@zoo.ox.ac.uk](mailto:neil.dcruze@zoo.ox.ac.uk)

KATIE HUNTER, CHARLOTTE A. BRASSEY, JENNIFER ROWNTREE, STEVEN MEGSON, DAVID MEGSON and GRAEME FOX School of Science and Environment, Manchester Metropolitan University, Manchester, UK

JOSE LOUIES Wildlife Trust of India, Noida, India

RATNAKARAN SHANTA SHARATH Wildlife Crime Control Bureau, New Delhi, India

\*Also at World Animal Protection, London, UK

## Rediscovery of the chinchilla in Bolivia

On 19 April 2017, during a routine inspection in the Laguna Colorado region of the National Reserve of Andean Fauna "Eduardo Avaroa" (the specific locality is not identified for security reasons), ED, alerted by animal calls, discovered a burrow under a large boulder. With local help he excavated the burrow and found four short-tailed chinchillas *Chinchilla chinchilla* of different ages and sexes; two additional individuals were discovered inside the den the next day. All individuals were returned to their burrow 3 days later after measurements and photographs had been taken.

This chinchilla is one of two species native to the Andes. The last verified report of the presence of the short-tailed chinchilla in Bolivia dates from 1939 (S. Anderson, 1997, *Mammals of Bolivia, Bulletin of the American Museum of Natural History*, 231, 1–652). For this reason, it was thought to be the first Bolivian mammal to have gone extinct in the