



Corrigendum: Chinese Trader Perceptions on Sourcing and Consumption of Endangered Seafood

Michael Fabinyi^{1,2,3*}, Kate Barclay¹ and Hampus Eriksson^{3,4}

¹ Faculty of Arts and Social Sciences, University of Technology Sydney, Sydney, NSW, Australia, ² Australian Research Council Centre of Excellence for Coral Reef Studies, James Cook University, Townsville, QLD, Australia, ³ WorldFish, Penang, Malaysia, ⁴ Australian National Centre for Ocean Resources and Security, University of Wollongong, Wollongong, NSW, Australia

Keywords: sea cucumber, China, seafood trade, sustainability, food safety, environmental governance, sustainable seafood movement

A Corrigendum on

Chinese Trader Perceptions on Sourcing and Consumption of Endangered Seafood

by Fabinyi, M., Barclay, K., and Eriksson, H. (2017). *Front. Mar. Sci.* 4:181. doi: 10.3389/fmars.2017.00181

OPEN ACCESS

Edited and reviewed by:

Annette Breckwoldt,
Leibniz Centre for Tropical Marine
Research (LG), Germany

*Correspondence:

Michael Fabinyi
michael.fabinyi@uts.edu.au

Specialty section:

This article was submitted to
Marine Conservation and
Sustainability,
a section of the journal
Frontiers in Marine Science

Received: 17 January 2019

Accepted: 08 March 2019

Published: 02 April 2019

Citation:

Fabinyi M, Barclay K and Eriksson H
(2019) Corrigendum: Chinese Trader
Perceptions on Sourcing and
Consumption of Endangered
Seafood. *Front. Mar. Sci.* 6:152.
doi: 10.3389/fmars.2019.00152

In the original article, there was a mistake in **Table 3** as published. Incorrect conversion rates were used to convert prices from Chinese yuan per *jin* (500 gm) and from Hong Kong Dollars per Hong Kong catty (605 gm) to US Dollars per kilogram. The corrected **Table 3** appears below.

As per the error reported above, a correction has been made to the **Results, General Consumption Preferences**, paragraphs one and three:

“Two major types of sea cucumbers are distinguished by Chinese traders, and consumption preferences differ depending on geographical location (Figure 1). Japanese spiky sea cucumbers, *Apostichopus japonicus*, are found in temperate waters in parts of China (especially Liaoning and Shandong provinces) and neighboring countries such as Korea, Russia, and Japan. While they are often captured in the wild, they are also cultured in large quantities (Chen, 2003; Han et al., 2016a). Commonly referred to as *cishen*, (spiky sea cucumber), the most highly valued individuals of these sea cucumbers reach the highest prices on the markets and are regarded as the best of all sea cucumbers (prices of USD316–1,892/kg). This is for several reasons: their spiky appearance is viewed as appealing (the longer the spikes, the better); they are of a suitable size to be served individually, whole; and they are regarded as having better nutrition and health benefits than other types of sea cucumbers. In much of northern China, these temperate sea cucumbers dominate the market.”

“The prices of sea cucumbers vary significantly—from less than USD64/kg for dried, cheaper species of lower quality, to more than USD1,800/kg for high-value species of excellent quality (**Table 3**). *A. japonicus* was the most expensive type of sea cucumber in all locations, followed by sandfish (*Holothuria scabra*; *H. lessoni*) (price of USD64–359/kg) and teatfish (*H. fuscogilva*, *H. nobilis*, *H. whitmaei*) (price of USD96–319/kg). Other types of tropical sea cucumbers commonly sold include prickly redfish (*Thelenota ananas*), South American sea cucumbers (*Isostichopus fuscus*, *I. badionotus*), and curryfish (*A. herrmanni*) (prices of USD96–294/kg). Purcell (2014) has conducted a more comprehensive survey of tropical sea cucumber prices in southern China.”

TABLE 3 | Prices of selected sea cucumbers in USD/kg, September 2015.

Common english name	Scientific name	Hong Kong wholesale price	Hong Kong retail price	Guangzhou wholesale price	Beijing wholesale price	Shanghai wholesale price	Conservation status
Japanese spiky sea cucumber	<i>Apostichopus japonicus</i>	528–1,636	506–1,851		948–1,892 (from Japan)	316–1,264	Endangered
Sandfish, golden sandfish	<i>Holothuria scabra</i> , <i>H. lessoni</i> .	196–338	84–359	64–156	128–220	96–252	Endangered
White teatfish, black teatfish	<i>H. fuscogilva</i> , <i>H. nobilis</i> , <i>H. whitmaei</i>	191–319	166–294	96–156	128–156	96–152	Endangered/Vulnerable (<i>H. fuscogilva</i>)

The column on conservation status was taken from the IUCN Red List (IUCN, 2016). For these species, high quality products are consumed in banquets and mid- to lower- quality products are consumed at home and for family occasions.

Additionally, a correction has been made to the **Results, Banqueting**, paragraph two:

“Recently, however, the luxury sea cucumber market has witnessed a downturn. First, the government’s anti-corruption campaign (Jeffreys, 2016) is viewed by traders to have had a significant effect on the sales of dried seafood generally. Hong Kong traders of dried seafood widely reported reduced profits over the past 2–3 years. One Hong Kong trader advised that the price of most kinds of BDM had dropped by 30–50% in the past year or so; others did not give specific figures or estimates but noted that demand had dropped, especially from mainland China. Guangzhou-based traders similarly noted how Japanese spiky sea cucumber had dropped from USD1,892/kg to USD1,260/kg in the course of 2015. Beijing traders reported significant declines in sales over the past years (see also Fabinyi and Liu, 2016). One Beijing trader spoke of an 80% drop in sales; another described a 70–80% drop in sales. Several dried seafood

traders had closed since 2013. The anti-corruption campaign began shortly after Xi Jinping’s ascent to the leadership in late 2012, and has continued and even intensified since then. One of the specific targets of this campaign was government officials using public funds at banquets. While sea cucumbers are not exclusively eaten at such banquets, a considerable proportion of them are. Secondly, another factor relating to demand has been the slowdown in the Chinese economy. Due to government policies aiming to transition to a slower but more sustainable economic growth pattern, since 2011 the growth rate of the Chinese economy has been slowing. However, the market for many of the mid- and low value sea cucumbers will likely continue to expand, especially in new markets throughout China, largely due to their popularity as a health product.”

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

REFERENCES

- Chen, J. (2003). Overview of sea cucumber farming and sea ranching practices in China. *SPC Beche-de-mer Inform. Bull.* 18, 18–23.
- Fabinyi, M., and Liu, N. (2016). The social context of the Chinese food system: an ethnographic study of the Beijing seafood market. *Sustainability* 8:244. doi: 10.3390/su8030244
- Han, Q., Keesing, J. K., and Liu, D. (2016a). A review of sea cucumber aquaculture, ranching, and stock enhancement in China. *Rev. Fish. Sci. Aquacult.* 24, 326–341. doi: 10.1080/23308249.2016.1193472
- IUCN (2016). *The IUCN Red List of Threatened Species*. Available online at: <http://www.iucnredlist.org/>
- Jeffreys, E. (2016). Translocal celebrity activism: shark-protection campaigns in mainland China. *Environ. Commun.* 10, 763–776. doi: 10.1080/17524032.2016.1198822
- Purcell, S. (2014). Value, market preferences and trade of beche-de-mer from Pacific Island sea cucumbers. *PLoS ONE* 9:e95075. doi: 10.1371/journal.pone.0095075

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