



Corrigendum

Corrigendum to “Sacha Inchi (*Plukenetia Volubilis* L.): recent insight on phytochemistry, pharmacology, organoleptic, safety and toxicity perspectives” [Heliyon 8, (9), (September 2022), (2022), e10572]

Nur Anis Raihana Mhd Rodzi, Lai Kuan Lee *

Food Technology Program, School of Industrial Technology, Universiti Sains Malaysia, 11800, Gelugor, Pulau Pinang, Malaysia

In the original published version of this article, an error was present in Tables 2 and 3. Specifically, authors have missed out the citation for both tables, which match with Tables 1 and 2 as seen in ‘Sacha inchi (*Plukenetia volubilis* L.): An emerging source of nutrients, omega-3 fatty acid and phytochemicals’ (<https://doi.org/10.1016/j.foodchem.2021.131459>), published in ‘Food Chemistry’. While the source of the data is provided, the source of the data as published in “Food Chemistry” does not appear to be attributed. The correct citation along with the tables are displayed below. The authors/publisher apologize for the errors. Both the HTML and PDF versions of the article have been updated to correct the errors.

Table 2. Immediate composition of SI seed (kernel) and powdered SI.

Component	SI seed ^{1,2,3,4}	Powdered SI ^{5,6}
Moisture (g/100 g)	3.30–8.32	4.08 ± 0.03
Fat (%)	33.4–54.70	5–11.2
Protein (%)	24.20–33.30	57.60–61
Fibers (%)	6.59–13.86	5.72–12
Carbohydrates (%)	6.00–30.90	15.62–22
Ash (on dry basis, %)	2.70–6.46	NR
Minerals (mg/100g)		
Calcium	126.30 ± 0.69	NR
Phosphorus	519.70 ± 2.77	NR
Sodium	0.30 ± 0.00	NR
Potassium	489.30 ± 10.7	NR
Magnesium	344.20 ± 2.1	NR
Copper	0.80 ± 0.0	NR

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Table 2 (continued)

Component	SI seed ^{1,2,3,4}	Powdered SI ^{5,6}
Iron	4.20 ± 0.0	NR
Manganese	1.00 ± 0.0	NR
Zinc	4.10 ± 0.4	NR

Adapted from (Goyal et al., 2022).

NR: Not reported.

Source:

- Takeyama and Fukushima, 2013.
- Bueno-Borges et al., 2018.
- Wang, 2018.
- Kim and Joo, 2019.
- Quinteros et al., 2016.
- Organic Crops E.I.R.L., 2017.

Table 3. Fatty acids content (% of total fatty acids) and other bioactive compounds reported in SI seed and SIO.

Component	SI seed ¹	SI oil ²
Fatty acid³		
Palmitic (C16:0)	1.6–2.1	4.40 ± 0.34
Stearic (C18:0)	1.1–1.3	3.21 ± 0.06
Oleic (C18:1, ω-9)	3.5–4.7	9.29 ± 0.32
Linoleic (C18:2, ω-6)	12.4–34.98	39.57 ± 0.2
α-linolenic acid (C18:3, ω-3)	12.8–47.04	43.52 ± 0.92
MUFAs ²	9	9

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* Corresponding author.

E-mail address: l.k.lee@usm.my (L.K. Lee).<https://doi.org/10.1016/j.heliyon.2022.e11436>

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Table 3 (continued)

Component	SI seed ¹	SI oil ²
PUFAs ²	84	83
UFAs/SFAs ratio ²	13	13
ω -3/ ω -6 ratio	1.03–1.34	1.10
Tocopherols		
α -tocopherol (mg/100 g)	1.13–1.27	0.4
β -tocopherol (mg/100 g)	0.75–0.95	NR
γ -tocopherol (mg/100 g)	57.4–68.2	125.7
δ -tocopherol (mg/100 g)	29.2–47.6	86.9
Total flavonoids (mg rutin eq./g oil extract)	NR	0.34
Total carotenoids (mg/kg)	0.7–0.9	NR
Total phenols (mg GAE/100 g)	64.6–80.0	6.20 \pm 0.3
Total tocopherol ²	161.87	213.00
Phytosterols (mg/100g)		
Campesterol	4.5–8.8	15.0–15.3 ^{2,3,4,5,6}
Stigmasterol	21.2–32.3	36.11–58.70 ^{2,3,4,5,6}
β -Sitosterol	46.6–63.1	43.46–127.40 ^{2,3,4,5,6}
Total antioxidant activity (μ mol TE/g)	6.5–9.8	18.2–95.0 ^{2,3,4,5,6}

Adapted from (Goyal et al., 2022).

NR: Not reported, MUFAs: monounsaturated fatty acids, PUFAs: polyunsaturated fatty acids, UFAs, unsaturated fatty acids, SFAs: saturated fatty acids.

Source:

¹ Chirinos et al., 2013.

² Liu et al., 2014.

³ Cisneros et al., 2014.

⁴ Fanali et al., 2011.

⁵ Cisneros et al., 2014.

⁶ Zanqui et al., 2016.

^a Data are presented as % total fatty acids.

Declaration of interests statement

The authors declare no conflict of interest.
Additional references:

Q. Liu, Y.K. Xu, P. Zhang, Z. Na, T. Tang, Y.X. Shi, Chemical composition and oxidative evolution of Sacha Inchi (*Plukenetia volubilis* L.) oil from Xishuangbanna (China), *Grasas Aceites* 65 (1) (2014) e012.

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