

CORRECTION

Correction to: The Influence of a Xanthine-Catechin Chemical Matrix on *in vitro* Macrophage-Activation Triggered by Antipsychotic Ziprasidone

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Correction to: Inflammation

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After publication of our article it came to our attention that it contains a number of errors with regard to the citations. The details are provided below:

In Background section, 3rd paragraph: the correct citation is reference [8].

4th paragraph: “This is the case of chemical matrix present in beverages, such as green and black tea [8], yerba mate [9] and guaraná [10, 11]” should be “This is the case of

chemical matrix present in beverages, such as in some teas [9], yerba mate [10] and guaraná [11, 12].”

In the sentence: “Guaraná powder is broadly used to produce energetic beverages in the world [12,13]. Previous *in vivo* and *in vitro* studies have described that guaraná extract could have some antioxidant [13, 14] and anti-inflammatory effects [13–16]” should be “Guaraná powder is broadly used to produce energetic beverages around the world [12, 13]. Previous *in vivo* and *in vitro* studies have indicated that guaraná extract could have some antioxidant [11, 14] and anti-inflammatory effects [15–16].”

The online version of the original article can be found at <https://doi.org/10.1007/s10753-018-0946-9>

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The former reference [13] (Pandiaraj P, Gnavavelbabu A, Saravanan P. Synthesis of CuO nanofluids and analysis of its increased effective thermal conductivity for flat plate heat pipe. *International Journal of ChemTech Research*. 2015; 8(4):1972) should be removed and replaced with the reference [15] (Higgins JP, Kavita B, Deuster PA, Shearer J. Energy Drinks: A Contemporary Issues Paper. *Current Sports Medicine Report*. 2018; 17:65–72).

In Methods section, Bittencourt et al. [10] should be Bittencourt et al. [11].

In the sentence: “A colorimetric produce measure at 540 nm is obtained from this reaction that is proportional

to the NO level present in the sample [18]” the correct reference is: Tatsch E, Bochi GV, Pereira Rda S, Kober H, Agertt VA, de Campos MM, Gomes P, Duarte MM, Moresco RN. 2011. A simple and inexpensive automated technique for measurement of serum nitrite/nitrate. *Clin Biochem* 44:348–350.

In the sentence: “Modulation of cytokine gene expression was conducted here by qRT-PCR analysis using a similar approach to that described by Jung et al. [20]” the correct reference is: da Cruz Jung, *I.E.*, A.K. Machado, I.B.M. Cruz, F. Barbisan, V.F. Azzolin, T. Duarte, M.M.F. Duarte, P.A.S. do Prado-Lima, G.V. Bochi, G. Scola, and R.N. Moresco. 2016. Haloperidol and Risperidone at high concentrations activate an *in vitro* inflammatory response of RAW 264.7 macrophage cells by induction of apoptosis and modification of cytokine levels. *Psychopharmacology*

233: 1715–1723. The following reference was incorrectly cited and should be removed from the text: Voiculescu, M., I. Ghiță, A. Segărceanu, I. Fulga, and O. Coman. 2014. Molecular and pharmacodynamic interactions between caffeine and the dopaminergic system. *Journal of Medicine and Life* 7 (Spec Iss 4): 30–38.

In Discussion section, The reference listed as [29] should instead be reference [30].

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The authors wish to apologize for these unintentional errors.

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