



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_23378
Title of the Manuscript:	Inhibitory activity of ethanol extract of Manihot esculenta on mitochondrial membrane permeability transition pore and caspase 3 in Type 2 diabetes mellitus
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	This manuscript describes clearly the in vitro effect of Manihot extracts on MMP in diabetic rat kidney, rat heart and rat liver in the presence and absence of calcium ions. The Ms. is written in a very clear English language and the results are of interest. The authors point out the importance of herbal medicine to treat diabetes. In that respect, important reviews on the use of plant extract against diabetes should be added (lines 38-44): W. Li et al., J. Ethnopharm., 92, 1-21 (2004), and E. Harlev et al., Planta Med., 79, 425-436 (2013). When discussing the importance of antioxidant activity in herbal preparations and the link towards antidiabetic effects, a recent review on the antioxidant importance of flavonoids in herbal preparations should be added as well: J. Chen et al., Natural Product Communications, 10, 187-200 (2015). The authors should explain the use of rotenone in their experiments (line 154) and the source of this pentacyclic compound.	
<u>Minor</u> REVISION comments	- Write our abbreviations like in the abstract in full and then the term in brackets (ex. MMPT). - Line 43: give appropriate references for the statement on Manihot esculenta. - Line 26: delete 'by' - Line 27: 'evolutionary' - Line 46: delete 'of' - Lines 70-72; rephrase to a fluent sentence. - Line 105: 'diethyl ether' - Line 168: '200 µg/ml' (space)	
<u>Optional/General</u> comments		

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