

Review Form 1.7

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| Journal Name: | International Journal of Biochemistry Research & Review |
| Manuscript Number: | Ms_IJBCRR_108642 |
| Title of the Manuscript: | Effect of Cassia sieberiana DC (Fabaceae) on α -amylase and α -glucosidase and diabetes treatment trial in rats |
| Type of the Article | Original Research Article |

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) |
|--|---|---|
| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <p>1. Yes. In 2023 it is estimated there are 600 million people in the World experiencing Diabetes. An estimated 10% are T1D Type 1 insulin Dependent and 90% T2D Type 2. A significant incidence of Gestational Diabetes can occur pre and during pregnancy causing exposure to clinical risk. The possibility to offer the possibility of a safe and easy to manufacture medication to reduce Hyperglycaemia in T2D Type 2 Diabetes patients should be pursued.</p> <p>2. Yes, the title is suitable.</p> <p>3. The abstract is comprehensive.</p> <p>4. The subsections of the manuscript are appropriate.</p> <p>5. I think the manuscript is scientifically correct identifying a Hyperglycaemic lowering agent to be offered to T2D Diabetes patients subject to safety approval and toxicology safety compliance.</p> <p>6. I think the references are sufficient and appropriate.</p> <p>7. Since 2020 and Covid Pandemic much new research is ongoing. It seems the researchers have diligently identified useful references relevant to the study. The content and references may be suitable in student study into Forensic Aspects of Hypoglycaemia in Clinical Science and Law in due course. Hypoglycaemia and Hyperglycaemia remains a social challenge when linked to Mental Health issues sometimes with differing Expert Witness observation in Diabetes, Addison's Disease, Thyroid Disease. This research may help as a relevance to understanding Hypoglycaemia and Hyperglycaemia in Diabetes and Thyroid Patients.</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>1. Yes, it is.</p> <p>2. The IDF International Diabetes Federation are constantly working to update statistics. I suggest the 2023 figure is included of Diabetes incidence.</p> | |
| <p>Optional/General comments</p> | <p>This is a Research paper worthy of publication to assist the Scientific and Clinical Nursing Community to help meet the ongoing challenge of increasing incidence of T2D Diabetes in the World and possibly T1D Diabetes patients as well.</p> | |

PART 2:

| | 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) |
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| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

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Reviewer Details:

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| Name: | Derek C Beatty |
| Department, University & Country | University of Edinburgh, UK |