



SDI Review Form 1.6

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| Journal Name: | Advances in Research |
| Manuscript Number: | Ms_AIR_24734 |
| Title of the Manuscript: | Biosensor strategies to detect serum glycobiomarkers |
| Type of the Article | Review paper |

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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) |
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| <u>Compulsory</u> REVISION comments | <p>The manuscript titled "Biosensor strategies to detect serum glycobiomarkers" discussed the use of lectin in the sensor compartment to detect the aberrant glycosylation causing by the diseases Although the issue is of interest, the manuscript is still preliminary and general. From the text, the author has solely focused on the electrochemical glycobiosensor, although the title is emphasized on biosensor strategies, which include other similar approach as well. The author should either change the title to be more precise to the main text or add the section for other strategies as well.</p> <p>Similarly, the present review lacks of critical analysis and thinking which might generate interest to the reader. In fact, there are so many recent reviews on the subject, especially on the electrochemical glycobiosensor. The author should discuss thoroughly the specific approaches adopted for the biosensor, their specific advantages and disadvantages and the challenge of applying the biosensor in the biomarker discovery.</p> <p>One of the example for electrochemical biosensor has been written. The basis of selecting Cramoll 1,4 as the topic for the discussion needs to be discussed in term of its advantages in comparing with other lectins.</p> | |
| <u>Minor</u> REVISION comments | <p>Please revise thoroughly for below:</p> <ol style="list-style-type: none"> 1) <i>O</i>-linked and <i>N</i>-linked should be italicized. 2) The label of all figure are not clear. Please upload high resolution image. Permission should be obtained if the image is reproduced from somewhere. 3) Please write legend on each figures and briefly explain them 4) Briefly explain the principal of other lectin- based approach and discuss their differences with biosensor. | |



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| | 5) proofread the manuscript. Grammatical error has been noticed. For example: sentence 253: "through their binding site {through} via hydrogen bond, "based in" should change to based on | |
| <u>Optional/General</u> comments | | |

Reviewer Details:

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