



PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 76133

Title: Sodium selenite may be not the optimal speciation as an effective therapy for arsenic-induced anxiety-/depression-like behavior

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05906528

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor, Staff Physician

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2022-03-03

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-10 00:44

Reviewer performed review: 2022-03-13 00:59

Review time: 3 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Please see the attached document to see the reviewer's comments.



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Peer-review model: Single blind

Reviewer's code: 05207387

Position: Editorial Board

Academic degree: DSc, PhD

Professional title: Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2022-03-03

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-18 01:26

Reviewer performed review: 2022-03-20 11:36

Review time: 2 Days and 10 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Thanks for recommending me as a reviewer. Sodium selenite (SS) was selected as selenium supplement to improve the behavior of depression-like mice induced by arsenic in this study. This LETTER TO THE EDITOR is well-written. In the introduction, the theoretical background is well described. The conclusion is suitable for the purpose of the study.



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Peer-review model: Single blind

Reviewer's code: 05699643

Position: Peer Reviewer

Academic degree: MSc, PhD

Professional title: Academic Fellow, Associate Professor

Reviewer's Country/Territory: Czech Republic

Author's Country/Territory: China

Manuscript submission date: 2022-03-03

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-18 02:53

Reviewer performed review: 2022-03-26 03:43

Review time: 8 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

It is a letter to the editor, where the authors mainly discuss drawback of the considered study. I have come though the study they are considering as well as their comments and found: 1) authors are making comments to the study that have not been published in this journal (even publishing house is different - springer). Secondly, the argument about models might be partially correct but the original study did not aimed to seek sources of Se and Ar. They just investigated the possible mechanisms. I do agree with authors that the findings of original study needs further confirmations, models must be clearly explained and, correspondingly, a well-designed study(ies) are necessary to clear up their results. 3) some sentences are hard to read (e.g., In addition, there are many mouse models of depression and anxiety, however, classical mouse model of depression was not used in this study - it is not sound scientifically accurate). I suggest authors to consider "opinion" or more detailed description of problem with a clear explanation of each key problems. If authors are willing to submit such a work then I would be willing give a positive comments. Overall, I came to the conclusion that this letter to the editors is not suitable for this journal.