

Review Form 1.7

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| Journal Name: | Chemical Science International Journal |
| Manuscript Number: | Ms_CSIJ_109222 |
| Title of the Manuscript: | Harmonizing Biological and Chemical Strategies for Hazardous Chemical Detoxification: An Integrative Review |
| Type of the Article | Minireview 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) |
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| <p><u>Compulsory</u> 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>Yes This manuscript focuses on biological methods, relying on the enzymatic activity of microorganisms or plants, display eco-friendly characteristics and are highly effective for organic pollutants. Chemical methods, employing diverse reactive agents, demonstrate versatility in treating a wide range of contaminants. Critical considerations should be given to the cost-effectiveness, sustainability, and environmental impact of these methods in the context of real-world applications. Collaborative efforts between researchers and environmental practitioners are crucial for advancing the field of chemical detoxification and addressing complex pollution challenges.</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Few more references may kindly be added</p> | <p>Thanks for your kind suggestion. The references provided are sufficient since this is a minireview.</p> |
| <p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>Yes</p> | |
| <p><u>Optional/General</u> comments</p> | <p>This review is relevant to environmental community</p> | |

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PART 2:

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