

Review Form 3

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_130777
Title of the Manuscript:	Advancing Groundwater Remediation: Efficacy of Slow-Release Permanganate Gels (SRPG) in Treating Contaminant Plumes
Type of the Article	

PART 1: Comments

	Reviewer’s comment	Author’s Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript presents significant advancements in the field of groundwater remediation, focusing on the efficacy of slow-release permanganate gels (SRPG) for treating contaminant plumes. By addressing limitations of traditional methods such as rapid oxidant depletion and poor distribution in heterogeneous aquifers, it highlights an innovative approach that offers sustained release and improved spatial reach. The findings, drawn from recent experimental, modeling, and field studies, provide critical insights into the scalability and environmental benefits of SRPG technology. This research not only contributes to the scientific understanding of in-situ chemical oxidation but also paves the way for more sustainable and cost-effective groundwater management solutions, making it highly relevant for environmental scientists and engineers.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments		

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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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	Amarsinh B. Landage
Department, University & Country	L.S.P. Government College of Engineering, India