



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_30500
Title of the Manuscript:	Oxidation of Electron-Rich Pollutants Using Peroxidase from Fenugreek Waste
Type of the Article	Original Research Article

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)
Compulsory REVISION comments	- The abstract and aim of paper must be clear. Rewrite the abstract and aim of study in short sentences and good design. - Introduction: lines 49-55 must be in methodology - Rewrite Introduction in good and simple language - Arrange introduction with simple language connections - Write aim of paper clarify in the end of introduction 2. MATERIAL AND METHODS 2.1 Chemicals (only) <u>used</u> Chemicals for buffer preparation, such as KH₂PO₄ , KOH , Citric acid and Trisodium citrate, were purchased from S.D. Fine Chemicals (Boisar), India, while Tris-HCl was purchased from Loba Chemie, Mumbai. All chemicals must be write in chemical forms and their names 2.2 <u>Crude</u> enzyme extraction The suspension was centrifuged at 1610 ×g for 10 min. must be clear 2.5 Optimization of reaction conditions. 2.5 Optimization of Phenol Removal 2.5.1 Reaction mixture pH 2.5.1 Effect of pH - citrate buffers. Phosphate buffers. You must remember why did you select these buffers? The optimization of initial phenol concentration was 97 performed at pH 6.0. Is this optimization according your experiments? Then you must remember that. If not but according previous studies you must remember reference. 3. RESULTS AND DISCUSSION	The introduction section has been rewritten for clarity and to improve the flow of information. These changes have been included The centrifugation speed has been revised to 2500 rpm The pH range achievable with citrate buffers is 3.0–6.2 (Sigma–Aldrich) Potassium phosphate buffers can provide a pH range of 5.8–8.0 (Fisher Scientific) In our study, we found that the maximum enzyme activity was obtained at pH 6.0. Hence we conducted optimization of initial phenol concentration at pH 6.0. This has now been mentioned in section 2.5.2 The subheadings have been added in section 3



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	RESULTS AND DISCUSSION must be including the following items 3.1 Activity of enzyme (peroxidase) 3.2 Removal of phenol Rewrite RESULTS AND DISCUSSION in good agreement to clarify the aim of study as good optimizing pre-purification for phenol	
Minor REVISION comments		
Optional/General comments	- Remove titles such as Aim:, Methodology:, Conclusion: from abstract and rewrite it with good organization	Please note that the manuscript submission template provided by <i>International Journal of Biochemistry Research & Review</i> requires a structured abstract. The template recommends that the abstract be divided into subheadings, such as Aim, Study design, Place and duration of work, Methodology, Results, and Conclusion.