



SDI FINAL EVALUATION FORM 1.1

PART 1:

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

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The manuscript has been substantially improved. However, some corrections remain to be made. In particular: 1. Abstract. Results: The maximum activity of what? 2. Section 2.5. Removal of phenol. It would be suitable to mention the reference to this method. Also it is desirable to describe how to overcome the interference with nucleic acids (DNA and RNA at 260nm and 280nm) 3. Sections 3.1., 3.2., 3.3. It is recommended to place first the text describing the results. After that – figures. 4. Fig.2. The bar corresponded to 6 mM H₂O₂ could be darker. At the present black and white version this bar is almost invisible. 5. Discussion part begins from Line 176. It is desirable to make a separate section. Otherwise, it is recommended to integrate the text with discussion to the 3.1., 3.2. and 3.3., where it is attributable. 6. Figures 4 and 5 should contain the references (in case these equations were found in the literature)	Thank you for your comments. In accordance with your suggestions, we have incorporated the following revisions in our manuscript: 1. We have revised the statement in the Abstract to "The maximum activity of peroxidase" 2. We have added the following references for measurement of phenol removal: Zhang et al, 2000 and Trinh et al, 2015. Concerning interference from nucleic acids, DNA and RNA extraction require the use of phenol and chloroform as well as buffers of pH 8.0 and 4.5–5.0, respectively. Our extraction buffer did not contain these components, the extraction of nucleic acids in large amounts was unlikely. Furthermore, the absorption spectrum of the diluted crude enzyme extract showed that the maximum absorbance was at approximately 660 nm and that the absorbance was fairly low at 270 nm. The absorbance spectrum of a mixture containing buffer + enzyme extract + phenol showed a sharp peak at 270 nm. Hence, we concluded that we did not face interference from nucleic acids. We have added the following text in section 2.5: The absence of interference by nucleic acids was ascertained by measuring the spectra of the enzyme extract in the absence and presence of phenol. 3. According to your suggestion, the text precedes the figures in sections 3.1, 3.2 and 3.3. 4. Figure 2 has been modified as per your suggestion 5. We have created a separate Discussion section from Line 176 according to your suggestion 6. According to your suggestion, the source [Mukherji, 2012] of the equations shown in Figures 4 and 5 have been mentioned. The reference was mentioned in the originally submitted manuscript. However, one of the reviewers had suggested that we remove the references from the legends of Figures 4 and 5 to maintain consistency of form with the legends of other figures in the manuscript.