



SDI Review Form 1.6

Journal Name:	<u>International Journal of Biochemistry Research & Review</u>
Manuscript Number:	Ms_IJBCRR_30399
Title of the Manuscript:	Heavy Metals Effect on the Activity and Kinetics of Peroxidase Enzyme in Crude Extracts of Rosmarinus officinalis and Eruca Sativa
Type of the 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)
<u>Compulsory</u> REVISION comments	<i>Keywords:</i> Replace peroxidase for another keyword to increase the chances of the paper will be find, once the word peroxidase is in the title. <i>Introduction:</i> The authors need to justify the importance to study enzymatic kinetics parameters and to put the definition for noncompetitive inhibition and uncompetitive inhibition in the introduction. <i>Results and discussion:</i> The authors may discuss more the results found. For example: These results can be used for? How important these results are to the study area? The results found are good or not so good?	
<u>Minor</u> REVISION comments	<i>Introduction</i> - Insert reference after the first and second sentences of the first paragraph; - Insert reference after the second sentence of the second paragraph; - Cobalt is not a micronutrient. It's a benefic element. It's necessary to insert a reference in this sentence; - Insert reference after the sentence "Peroxidases are group..."; <i>Materials and methods</i> - 2.1 - The authors could put the geographical coordinates of the place where the samples were collected; - 2.2 - The plants were macerated? If yes, it's necessary to insert this information; - Replace ml for mL in all text; - 2.4 - Insert the reference: Lineweaver, H. & Burk, D. (1934). The Determination of Enzyme Dissociation Constants. J Am Chem Soc. 56: 658-666; - 2.4 and 2.5 - It's necessary to describe better how the kinetic study was conducted, once this form it's confusing;	



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	- 2.6 and 2.7 - Insert reference; - 2.8 - How many replicates for each sample were used?; <i>Results and discussion</i> - 3.1 - The units need to be written in accordance with the International System of Units (SI). So, the correct form to write mg/ml is mg mL^{-1}. The authors need to use the SI in all text; - It's necessary to insert a reference after the definitions for uncompetitive and noncompetitive inhibitions; - It's necessary to describe in material and methods what is the meaning of K_i (Table 2 and 3) and how this parameter was calculated; <i>References</i> - Replace Halliwell et al. (2007) by Halliwell and Gutteridge (2007) in the text; - Replace Hammerschmidt and Kuc (1982) by Hammerschmidt et al. (1982) in the text; - Replace Jaleel et al. (2007b) by Jaleel et al. (2007a) and Jaleel et al. (2007c) by Jaleel et al. (2007b) in the text and references; - Exclude reference number 23; - Replace Sebastiani et al. (2004) by Sebastianil et al. (2004) in the text; - Replace Serrano et al. (2008) by Serrano-Martínez et al. (2008) in the text;	
<u>Optional/General</u> comments	The experiment conducted by the authors is interesting and important for the study of enzymatic kinetics in plants used in human food. However, the manuscript needs some corrections before it is published.	

Reviewer Details:

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