



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_23093
Title of the Manuscript:	Amelioratory effect of Dorema glabrum on diazinon-induced oxidative stress in rat liver
Type of the Article	Original research Articles

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:

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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	Methods: Twenty-four adult male Wistar rats were used in this study .The rats randomly divided into four groups including a control group, and three experimental groups. Two of three experimental groups received different doses of <i>D.glabrum</i> (40 and 80 mg/kg) as pre-treatment for 21 days along with DZN (100 mg/kg) that injected intraperitoneally in the last day of <i>D. glabrum</i> usage, and one group received only DZN (100 mg/kg). ??? Recast to be explicit. Indicate the various groups as Group I, II, III, IV. What is the exposure duration for the group that received only DZN? Recall that the study as claimed was on “the subchronic effect of DZN”, implying duration of above 14 days. The results did not indicate whether the observed increase or decrease was significant (at a stated level) or not?? Animal treatment schedule: The rats randomly divided into four groups including group II(C): normal control rats, group II (DZN): received DZN in single dose (100 mg/kg), group III (DGE 40): received (40 mg/kg) of <i>D.glabrum</i> and (100 mg/kg) of DZN, group IV (DGE 80): received <i>D.glabrum</i> (80 mg/kg) and DZN (100 mg/kg). This two experimental groups received different doses of <i>D.glabrum</i> (40 and 80 mg/kg) as pre-treatment for 21 days with DZN (100 mg/kg) that injected intraperitoneally on the last day of <i>D.glabrum</i> usage. Clarify the exposure duration for group IV?? Chemicals:	• In method section, various groups with their details in this study was explained and the mentioned parts were changed. • The significance of results was explained at the stated level in result section. • Animal treatment schedule was stated in the methodology. The period of this experiment was 21days. • The exposure duration for group IV was also 21 days. • All the parts mentioned in chemicals were changed according to reviewer suggestions. • All the parts mentioned in Analytical procedures were changed according to reviewer suggestions. • We did not include the tables with graphs due to unnecessary extension of the paper. All statistical figures and the level of significance (for each group) have



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	DZN was applied ???supplied? from Aria chemistry Co. (Iran) containing 96% active ingredies???ingredients?. It was diluted 117 (DTNB), ethanol of technical???analytical? grade 122 washed with cold saline buffer. Then???? washed tissues..... Analytical procedures: 131 Thiobarbituric acid reactive substances (TBARS) were measured as an index of lipid 132 peroxidation by the method of Satho (1978). SOD was determined according to the 133 method described by Ukeda <i>et al.</i> (1997). CAT was measured by monitoring the 134 decomposition of hydrogen peroxide, as described by Aebi (1984). GPx was evaluated by 135 the method of Paglia and Valentine (1967). Protein was measured by the method of 136 Lowry et al. (1951) using bovine serum albumin as standard. Total thiol content (TSH) 137 was measured in homogenate by the method of Hu et al. (1994). 143 The results were expressed 145 while DZN groups treated concomitantly with....	been written in the text and shown in the graph.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		