



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2014_IJBcRR_8986
Title of the Manuscript:	PARTIAL PURIFICATION AND CHARACTERIZATION OF EXTRACELLULAR PROTEASE OF Shigella dysenteriae AND ITS INHIBITION BY THE VOLATILE OIL OF Thaumatococcus danielli
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>



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Compulsory</u> REVISION comments	Please indicate the number of repetition for each experiments, to be able to judge the robustness of these data Please describe correctly the gel filtration step: sample load, elution buffer, etc. Why did the authors assume that they had isolated only one extracellular protease? It could be a mixture of enzymes. I suggest to carry out SDS-PAGE analysis on the extract and on the fractions collected during gel filtration, to determine at least the number of proteins isolated in those fractions. For MIC and MBC experiments, I recommend to include negative and positive controls. I was not able to review data shown in Figure 4, please move this Figure to next page Please improve the discussion: compare the obtained results to those already described in the literature.	The data were read in duplicate and the average was used. Corrected We never had it in mind that we were working with only protease. We were aware of the fact that several proteins were included in our enzyme extract but the choice of our medium made us predict that meat extract and peptone will serve as major source for the production of peptidases. So, the word PROTEASE is routinely used to encompass every other form of proteolytic enzymes. We were not opportune to carry out SDS-PAGE. We also realized that each peak of the chromatogram might contain several, but molecularly related proteins. We therefore plan to incorporate this into our subsequent work. Thank you. We considered this work as one out of very few information available. Therefore, we can always incorporate new ideas such as this. Our subsequent study will accommodate this suggestion. Done This has been done to our best knowledge.



SDI Review Form 1.6

<u>Minor</u> REVISION comments	-	
<u>Optional/General</u> comments	Repeat the experiments with the corresponding ATCC Strains	We initially had ATCC number but not for all the bacteria used. Meanwhile, we have supplied for those available in the manuscript.