



SDI Review Form 1.6

Journal Name:	British Microbiology Research Journal
Manuscript Number:	2014_BMRJ_15435
Title of the Manuscript:	Proteases Production by a Novel Bacterial Isolate <i>Bacillus amyloliquefaciens</i> 35s Obtained from Soil of The Nile Delta of Egypt
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 author has to change the unit used to express the protease concentration from u/ml to U/ml elsewhere in the text.	Done
Minor REVISION comments	Introduction: 1. The reference cited to quote the significance of microbial proteases (Ex. Ref 1 is too old (1998)) and should be updated with latest statistics (L 18). 2. L 43; studies by (11); should be changed to "Studies by Frankena et al. (11). 3. L 47; <i>B. licheniformis</i> MZK 03 font size should be uniform throughout the text. 4. L69-72 should be rewritten to make it easily understandable for readers. The statement is confusing. 2.2 Media Used: 2.2.1- The author /Principal Investigator refer to preparation of maintenance media (Med.1) and Screening media (Med.2) in tap water. This is not suitable as distilled or double distilled water is the requirement for preparation media. Furthermore, one of the screening samples for production of protease is Tap water. This is highly debatable part of the methods the author adopted in the screening method for proteases.	Introduction: 1. Although I believe that the point mentioned in this line doesn't need an updated reference to support it, I did use a more updated reference to emphasize on the importance of proteases. 2. Done 3. Done 4. Done 2.2. Media Used: It was a mistake and was corrected. But I have to clarify that use of tap water in preparation of maintenance and screening media doesn't affect the results in this part of the study, especially that this type of media is not used for testing the organism's ability to conduct certain



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	2.4 Screening of proteases for producing isolates In this section author describes primary screening (L114-L116) with 1ml of suspended sample. Author has to elaborate this step and clearly states how much is the sample volume (Soil, tap water and food sample) and the serial dilution method in brief to make to sensible. Without known volume, the method adopted in further steps will be highly debatable by any person who reads.	OK
	L118-119; Delete the sentence-“Inoculated plates of skimmed milk casein agar (21) were incubated”. The statement is repetition.	L118-119: deleted
	2.6 16S rRNA gene sequencing and analysis: The primer sequence should be written as 5' XXX 3'	2.6. 16s RNA: correct.
	2.8.4.1. Carbon sources L187; change carbon sources to different carbon sources	Corrected, although I believe that using the phrase “studying the effect of carbon source” would also make sense and serve the same prupose.
	L 283; Fig. 3: As mentioned in the legend, there is no ladder (bp) of standard DNA sample. This should be justified with clear picture of agarose gel.	the used picture, having low resolution, was replaced by higher resolution picture
	L 315; Table 2-Column 1 (Medium number (Ref) should be Column 5 as per standard representation.	done
	L544; Conclusion The conclusion should be more emphasized and stressed more in this section. Too much short to conclude in three lines.	Done



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<u>Optional/General</u> comments	The research paper discusses the isolation, screening and optimization of nutritional requirements of protease production from the Nile Delta of Egypt. The PI and co-workers are suggested to identify the industry of interest where this new enzyme find its application and do further assessment by using a Plackett–Burman design and further with the Face Centered Central Composite Design (FCCCD) of Response Surface Methodology (RSM). The paper can be considered for publication after the minor corrections recommended are revised by PI.	
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Checked by: ME

Approved by: CEO

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