

Review Form 1.6

Journal Name:	Journal of Advances in Microbiology
Manuscript Number:	Ms_JAMB_94717
Title of the Manuscript:	Effect of sporulation medium content in carbohydrates, lipids, and proteins on outgrowth of Bacillus spp spores activated with heat and ethanol solution
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:

<https://www.journaljamb.com/index.php/JAMB/editorial-policy>)

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	<p>The paper addresses a very important and interesting topic: quantitative analysis of the effect of nutrients in bacteria sporulation To do so, authors deployed several robust experimental methodologies and mathematical models.</p> <p>The main conclusions are: the media nutrients have a direct influence of bacteria ability to form colonies and induce sporulation. And that sporulation varies according to strain and activation media.</p> <p>Before publishing the paper, several issues must be addressed, however. As its current state, it is not possible to visualize the data expressed in the figures along with some other issues elsewhere.</p> <p>Major issues:</p> <ol style="list-style-type: none"> 1. Table 2 reports the conditions of the media. Conditions 10 to 12 are identical in nutrient content. What is the purpose of it? Please clarify. 2. Same for some conditions in Table 3. 3. Page and when needed: please provide the exact P value, as it is expressed only as .00. 4. Figure captions do not accurately describe the figure: <ol style="list-style-type: none"> a. Figure 1: there is no distinction in lines. Please format them accordingly. b. Figure 3: add labels to figures as A and B. c. Please review all of them and update them accordingly d. Figure 3 and 4: It is not possible to distinguish lines. Please add color or change the format to make them distinguishable 	
Minor REVISION comments	<ol style="list-style-type: none"> 1. Please format the paper according to editorial guidelines: the paper is a mix of different fonts, text, tables and figures. Please separate and format them accordingly. Also, cite papers in the text according to editorial guidelines. 2. Manuscript needs a deep proofreading of the entire paper, as plenty of typos were detected throughout the text, misuse of uppercase letters, bold, etc. I provide the paper, in yellow highlighted some typos. It is not however an exhaustive search. Do your own search please. 3. Use uppercase letters only when needed. Table 7 shows an abusive use of it. 4. Figures have poor resolution. 5. Title is confusing. Rewrite it in a clearer way. 6. Number the equations 7. Equations mentioned in page 5 and elsewhere are not numbered. 8. Title is confusing. 	
Optional/General comments		

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PART 2:

	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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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