



SDI Review Form 1.6

Journal Name:	British Microbiology Research Journal
Manuscript Number:	Ms_BMRJ_27272
Title of the Manuscript:	Effect of acid adaptation of <i>Listeria monocytogenes</i> on its mild thermal inactivation in a simulated fruit juice supplemented with carvacrol
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		
Minor REVISION comments	- pH 6.5 is almost neutral, so it could not be called "acid adaptation" - Authors should provide more information regarding to how they did the experiment in the methodology. - Figure captions for all Figures must be clearly explained whatever appeared in the Figures, particularly the symbols as well as the abbreviations. - Why the only one equation was used to fit the kinetic? More discussion must be provided or more equations must be applied to find out which one it the most fit.	- This way of adapting microorganism to organic acid at moderate acidic pH was done in accordance with a cited research work. At that pH, citric acid did not exhibit an inhibitory effect on the strain growth. - The thermal treatment protocol has been described step by step in one of our previous published research work cited as reference. Readers may find more details inside in case of need. - Ok. Figure captions have been rewritten - The Weibull model was chosen because it takes into consideration the three possible inactivation shapes of microorganisms under the effect of temperature (upward concave, downward concave or linear). The results we obtained confirmed that the model fit well the experimental inactivation data (as shown by R^2 and SSE values). Therefore, it was not necessary to use another one.
Optional/General comments	- Some grammatically errors have been observed	- Ok. They have been corrected. Thank you.