



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2014_BJAST_13622
Title of the Manuscript:	Aflatoxin M1 in Milk and Milk Products in Jordan and Methods for its Detoxification
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)
<u>Compulsory</u> REVISION comments	<p>-In this manuscript, the authors describe research on detoxification of AFM1 in dairy products by using fermentation, high heat treatments and plant extracts (garlic, black cumin and carrots).</p> <p>-The results are interesting but very preliminary.</p>	<p>We thank the reviewer for supporting this finding as interesting in terms of preliminary data. There might be important applications if this finding was supported by other studies.</p>
<u>Minor</u> REVISION comments	<p>-line 73 -76: the first two sentences do not belong to Material and Methods section because AFM1 concentration was analyzed only by ELISA (consider moving them to Introduction)</p> <p>-In the Material and Methods section missing from where has been purchased standard of AFM1 for experiments with artificially contaminated milk products and how the prepared stock solution</p> <p>-</p> <p>In the paper should be written uniformly $\text{ng} \times \text{L}^{-1}$ or ppt</p> <p>-line 128: sentence not completed "...to the methods used by ??? [17, 18].</p> <p>-line 133: sentence not completed "Black cumin seeds extracts was prepared as was described by ??? [19]."</p> <p>-Figure 2 is not understood, the value on the y axis to be corrected</p>	<p>The sentences were moved into introduction.</p> <p>Standard AFM1 was purchased from R.biopharm AG Dermstadt, German. And preparation of stock solution and milk contamination of AFM1 was according to ELISA Manual. We clarified this in the methods section.</p> <p>Adjusted.</p> <p>Completed.</p> <p>Completed.</p> <p>Completed.</p>



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	-Figure 3 should be put the initial concentration of AFM1	Added to the figure title.
<u>Optional/General</u> comments	<p>-How authors can claim that the extracts of plants are responsible for the reduction of AFM1?</p> <p>-Whether the authors investigate the effect of plant extracts on detoxification of AFM1 <i>in vitro</i> prior experiments with dairy products because it is known that lactobacilli has ability to bind or remove AFM1 from milk samples.</p> <p>- The manuscript is suitable for publication after major revision.</p>	<p>Compared with control (fermentation only).</p> <p>Yes, it is possible but would be suitable for another future study.</p>