



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.

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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	1- As the title of the article is beginning with AFM1 determination, in the abstract and in the paper, authors should follow the same order (e.g. they should give information, explain results of the AFM1 determination, and later write about detoxification). ABSTRACT 2- Write 'antiaflatoxin M1 (AFM1 detoxification)' instead of 'antiaflatoxin M1 (detoxification)'. 3- Correct the following sentence: A total of 22 samples of milk and dairy products were randomly collected from local markets and as follows: Add 'were grouped' before 'as follows' or put a full stop after 'market', and continue with 'Groups...' 4- Omit (ppt) in the following sentence: Dairy products were analyzed for their aflatoxin M1 (AFM1) content (ppt). 5- Correct the following sentence (e.g. adding AFM1 content or AFM1 levels at the end): Antiaflatoxin treatments of fermentation, high heat, garlic (<i>Allium sativum</i>), black cumin (<i>Nigella sativum</i>) and carrot (<i>Ducaus carota sativus</i>) water extracts were studied to determine their influence on AFM1. 6- Correct the following sentence regarding highlighted	



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	words: The results show that AFM1 was detected in 81.8% of tested samples with varying levels ranging from 25 ppt to no detection. INTRODUCTION 1- Correct the following sentence as indicated: Aflatoxins are a group of mycotoxins, which came to our knowledge in the early 1960s of the 20th century. 2- Add 't' to 'aflaoxin Q1'. 3- Correct the following sentence considering this information 'AFs were classified as Group 1 carcinogens by IARC (IARC, 2002.)': AFB1 is categorized as class 1 carcinogen (definitely carcinogenic) for human, whereas AFM1 is a group 2B carcinogen (probably carcinogenic) for human [3] 4- Line 37: Add another reference for the sentence which the authors have given reference 7. Because this sentence were found in another article written by Zinedine A 'Occurrence and legislation of mycotoxins in food'. 5- Why authors repeat the same information for carcinogenic effects of AFs' in the line 26-27 and 43-44. 6- Correct the sentences between the lines 60-70. Authors firstly indicated that they centrifuged infant Formula and dry yogurt (?). Later in the following sentences they explain how they did. It is not acceptable. The sentences should be rewritten. 7- The authors used Elisa technique for the determination of AFM1. However, at the lines 73-77	
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	and later they have given information about the other techniques. If they want to compare the different methods, they should give information about them in introduction or discussion parts. Therefore, these parts should be omitted from part of 2.2. 8- Did the authors precoated the wells? If they used the kits, the wells should be ready. Therefore, they should reconsider explanation. 9- Did they do recovery experiments for AFM1? 10- Sentences between the lines 108-113 should be explained correctly. 11- Correct the following sentence: Samples were prepared as in 2.1 for ELISA assay for possible antiAFM1 (detoxifying) effect of fermentation process on AFM1. 12- Add a comma after (<i>Alium sativum</i>) at line 126. 13- Authors control the effects of different plant extract in the presence of fermentation. Therefore, the title of '2.3.3. Plant extracts' should be changed' and the sentences should be corrected. 14- What is the detection limit of the kit used? The authors indicated only the quantitation range. 15- Line 164: Legal limit of AFM1 for cheese samples in Turkey was given as 250 ng/kg in literature 8. However, the authors indicated it as 25 ng/kg. Please correct. 16- Correct the sentence beginning with India (line	
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	164). 17- Figure 2: Add to X axis, 'Temperature and Time Values' as name. 18- Figure 3: Add to X axis, 'Fermantation Time (h)'. 19- Line 239: Correct this statement: European Standard maximum level of 50 ppt. It should not be indicated as written above. 20- Refences should be controlled. 21- Give the year of publication for reference 8. 22- Give the volume and page number for the 10th reference.	
<u>Minor</u> REVISION comments	plagiarism issues No. The authors should add a new reference as indicated in correction advices for Introduction, point 4.	
<u>Optional/General</u> comments	Grammar should be checked. References should be corrected.	

Reviewer Details:

Name:	Anonymous
Department, University & Country	Turkey