



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">British Journal of Applied Science &amp; Technology</a>                                                                   |
| Manuscript Number:       | Ms_BJAST_19710                                                                                                                        |
| Title of the Manuscript: | Periodic Acid Schiff reactions and general tissue morphology of conventionally-processed versus two rapid microwave-processed tissues |
| 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)                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p>There is no mention of an Animal Ethical Committee or something of the likes. If this experiment was not approved by an (Animal) Ethical Committee, the article may not be accepted for publication.</p> <p>Please provide a signed Ethical approval document.</p> <p>As pointed out in the Materials and Methods section, the staining quality was scored. There is nothing written about the staining performance scores in the Result section. Neither do I see any data on the sample sizes. Was it easier to process small samples in the MicroWave? If so, how did the performance score and how does it relate to sample size.</p> <p>In general; how well did the stainings perform and how was it scored? A graph or table, accompanied by sufficient textual support in the Results section would be very informative. This is crucial information (this is how you measure, calculate and prove the effects of the different processing treatments! This is the core of the article) and must be added before the article can be accepted for publication.</p> | <p><b>Animal handling and sacrifice was done by authorised Veterinarians at the Central Diagnostic Division (CDL) saddled with the responsibility by the National Veterinary Research Institute, Vom, Nigeria, where the work was done.</b> See attached letter of clearance from the Head of department/chairman, ethical committee, CDL, NVRI, Vom, Nigeria, for details.</p> <p>Statistical data and analysis have been provided as requested.</p> <p>Tables showing scores and statistical analysis have been provided accordingly.</p> |



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|  | <p><b>Figure 1 can be left out of the manuscript, it doesn't show additional information. Just mention the different processing times in the Results section.</b></p> <p><b>Figure 2 can also be left out. It doesn't add information. It is all in the text.</b></p> <p><b>Try to make clearer micro photos, the images seem to be out of focus, or they are of too low resolution (maybe due to download file size @Editor??).</b></p> <p><b>Replace the word 'Plate' in the image legends with 'Figure'</b></p> <p><b>The Conclusion section is generally poorly written and needs revision. Please also discuss the staining performance in this section and how it relates to sample size and the processing methods used.</b></p> <p><b>The Conclusion in line 296/297 is a bit shaky. What if the power fails in the middle of a short processing run?</b></p> <p><b>Please reformulate like; there is a smaller chance of processing interruption by power failures during short processing runs.</b></p> | <p>Done</p> <p>Done</p> <p>The micro photos are the original and this is the extend of presentation possible for now.</p> <p>'Plate' has been replaced with 'figure' as demanded</p> <p>Repackaged</p> <p>Repackaged</p> <p>Repackaged</p> |
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| <b><u>Minor</u></b> REVISION comments   | <p>Line 135: Replace 'accessed' with 'assessed'</p> <p>Line 165-166: Please, remove 'one thousand, four hundred and forty minutes' and replace with 1440 (more consistent regarding the number 85 earlier in the sentence)</p> <p>Lines 185 to 195 seem to be just floating around between the figures. Where does this text belong? M&amp;M or Results?</p> <p>Replace 'plates' with 'Figure' in line 191 and I read two times 'hence' in line 193.</p> | <p>Done</p> <p>Done</p> <p>Necessary adjustments have been made</p> <p>Corrected as demanded</p>                                                                                                                                                                                                                                                                                                             |
| <b><u>Optional/General</u></b> comments | <p>This paper needs crucial revisions, but has good potential. Hopefully there is an signed Animal Ethics Committee statement, otherwise it will be impossible to publish this manuscript (anywhere!).</p> <p>Pay more attention to the details and really use all measurements (staining performance, of both H&amp;E and PAS) and experimental parameters (processing methods, sample size) to make it work.</p>                                       | <p>Noted. Thank you sir.</p> <p>Animal handling and sacrifice was done by authorised Veterinarians at the Central Diagnostic Division (CDL) saddled with the responsibility by the National Veterinary Research Institute, Vom, Nigeria, where the work was done. <b>See attached letter of clearance from the Head of department/chairman, ethical committee, CDL, NVRI, Vom, Nigeria, for details.</b></p> |