



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">British Journal of Applied Science &amp; Technology</a>                                                                                                |
| Manuscript Number:       | 2014_BJAST_15958                                                                                                                                                   |
| Title of the Manuscript: | <b>Discovery of pyroclastic surge deposits in Bamenda volcano (Bambili, West-Cameroon, Cameroon volcanic Line): importance in chronostratigraphy of the massif</b> |
| Type of the 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>)

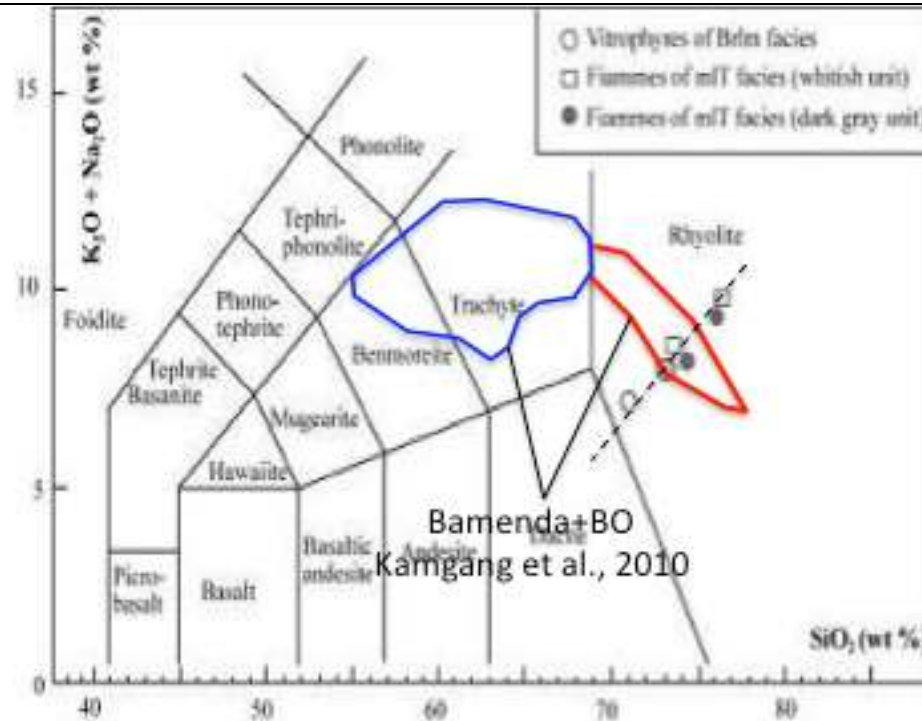


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**PART 1: Review Comments**

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|                                            | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Author's comment</b> <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>                         |
| <b><u>Compulsory</u></b> REVISION comments | <p><b>General Comment</b></p> <p>The paper reports the discovery of pyroclastic surge in the Bamenda volcano, at Bambili locality, for which only welded and non-welded ignimbrites were described until now. These surge deposits are investigated in detail to understand both their mode of deposition and their position in the chronostratigraphy of the Bamenda volcano.</p> <p>As it is presented, the subject appears of essentially a local interest. The authors should make an effort to discuss the data with a broader approach, for instance (but not limited to) using geochemical data that are only mentioned without any discussion. In this regard, in the TAS plot (attached below), the trend of Bambili rhyolites crosscuts that of both Bamenda and Bambuto-Oku (BO) rhyolites. Also, the trend of Bambili rhyolites does not connect with the alkaline trend of both Bamenda and BO trachytes, but rather points to a subalkaline line of descent. This topic should be discussed, seeing that the Bambili ignimbrites are ascribed to the Bamenda volcano and, ultimately, to the Oku volcano (sect.3).</p> | <p><b>General Comment</b></p> <p>The geochemical data are just used here to characterize the ignimbrites</p> <p><b>Specific Comments</b></p> <p>All corrections is done and include in the corrected manuscript</p> |

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The resolution of graphics is poor, and both the writings and the details are difficult to be read. The quality of figures should be improved.

The English requires a general review. In the specific comments I suggest some corrections, but a review from an expert would be advisable.

**Specific Comments**

- The abstract should contain a brief overview of the study area, for



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|  | <p>those readers that are not familiar with the topic. <b>À faire</b></p> <p>- The introduction should mention the age of CVL magmatism. <b>À faire</b></p> <p>- Lines 28-30- “With the alteration and poor condition of these rocks outcrops, the estimated volumes would be significantly higher”<br/>change in<br/>“Considering both alteration and poor condition of these rock outcrops, the actual volumes could be significantly higher that the estimated ones”</p> <p>Line 41- add “been” after “generally”</p> <p>Line 47 – extra space after the period</p> <p>Line 61 – “sized” instead of “sizes”</p> <p>Line 62 – add comma after “floor”</p> <p>Line 63 – add comma after “m”</p> <p>Line 73 – the term ignimbrite applies to mode of emplacement and not to chemical composition</p> <p>Line 74 – “rocks” instead of “rock”</p> <p>Line 85 – add “are” after “and”</p> <p>Line 89 – Is “BrIm” the same as “mlBr” (line 44, Fig.4)? Homogenise throughout the paper</p> <p><b>Line 91 – “these deposits” refers to surge of either Bambili or BrIm, or</b></p> |  |
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|                                         | <p>both?</p> <p>Lines 199-200 – Are there more enclaves or just one?</p> <p>Line 251 – “followed” instead of “follow”</p> <p>Line 252 – “surge” instead of “surges”</p> |  |
| <b><u>Minor</u></b> REVISION comments   |                                                                                                                                                                         |  |
| <b><u>Optional/General</u></b> comments |                                                                                                                                                                         |  |