



**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_22037                                                                 |
| Title of the Manuscript: | Land Cover Classification Schemes Using Remote Sensing Images: A Recent Survey |
| Type of the Article      | Review 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**

|                                            | <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>                                                                                                                                                                                                                       |
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| <b><u>Compulsory</u></b> REVISION comments | <ul style="list-style-type: none"> <li>• Provide relevant citation as highlighted in the main text. It is surprising that no author was cited in the whole section of introduction.</li> <li>• Quote the source of frameworks/ Figure 1 and 2. Otherwise, the information contained in Figures is almost similar to that of Deren &amp; Kaichang (2000).</li> <li>• Before section 2, provide a section of materials &amp; methods (methodology) where a brief explanation on how literature review was carried out, which key documents, manuals and materials were used and how data collected was treated /analysed.</li> <li>• Section 2 should fall under the main theme of results and discussion with a subsection of image classification.</li> </ul> | <p>The paper is revised and citation is provided wherever necessary.</p> <p>Sources of figures are quoted.</p> <p>The paper is completely restructured and a section on 'Materials and Methods ' is included and brief explanation on how literature review was carried out, which documents were used and how data collected was collected and analysed is provided.</p> <p>The suggestion is taken care of.</p> |



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| <p><b><u>Minor</u></b> REVISION comments</p>   | <ul style="list-style-type: none"> <li>• The study is about the review of approaches/methods of classifying remote sensing images. Therefore the reader would expect a clear presentation, may be in tabular form showing a particular method, its advantages/benefits and disadvantages/short comings and possibly the adjustments required to improve the quality and accuracy of image analysis. May be, consider an additional Table summarising the findings/report.</li> <li>• The author(s) may also consider a systematic evaluation of methods based on similar parameters of accuracy, algorithm and computational resources.</li> </ul> | <p>The study is not on classifying Remote Sensing images but on land cover classification approaches / schemes performed on remote sensing images. A clear presentation showing the advantages and disadvantages of a particular method is given.</p> <p>Evaluation of methods based on different algorithms have been discussed and concluded that hybrid approaches of combining multiple classification schemes has been found to be helpful for improvement of classification accuracy which is based on the type of image obtained from remote sensors (multispectral image, superspectral image or hyperspectral image) and the application area.</p> |
| <p><b><u>Optional/General</u></b> comments</p> | <ul style="list-style-type: none"> <li>• The author(s) may consider the consultation of the following citations for additional information to enrich the manuscript:</li> </ul> <p><b>Deren &amp; Kaichang (2000).</b> Land use classification of remote sensing image with GIS Data Based on Spatial Data Mining Technique. International Archive of Photogrammetry and Remote Sensing 33:B3.</p> <p><b>Miao et al., 2014.</b> A review of remote sensing image classification techniques: The role of spatio contextual information. European Journal of Remote Sensing. 47:389-411.</p>                                                         | <p>All papers mentioned have been considered for the survey and cited at required locations in the body of the paper.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



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|  | <p><b>Perumal &amp; Bhaskaran (2010).</b> Supervised classification performance of multispectral images. Journal of Computing 2(2):2151-9617.</p> <ul style="list-style-type: none"><li>• The section of summary is not really a summary in its current form but a conclusion of the subject matter.</li></ul> <p><b>plagiarism issues:</b></p> <p><b>What the author(s) need(s) to do to avoid any doubt is to provide citations for general statements made, as highlighted in the text. It is prudent to back up the section of introduction with adequate citations.</b></p> | <p>Plagiarism issues are seriously considered and tried maximum to avoid. About 57 papers are referred and citations are provided for statements made and highlighted in the body of the paper, mainly in the introduction part.</p> |
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