



**SDI Review Form 1.6**

|                          |                                                                     |
|--------------------------|---------------------------------------------------------------------|
| Journal Name:            | <a href="#">British Journal of Applied Science &amp; Technology</a> |
| Manuscript Number:       | <b>Ms_BJAST_19967</b>                                               |
| Title of the Manuscript: | <b>A Novel 5x5 Edge Detection Operator For Blood Vessel Images</b>  |
| Type of the Article      | <b>Original Research Article</b>                                    |

**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>)



**SDI Review Form 1.6**

**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><u>Compulsory</u></b> REVISION comments | <p>It is a good work presenting smart approach for vessel detection in retinal images based on linear operator.</p> <ol style="list-style-type: none"> <li>1. Please provide more information about analysed images (imaging modality, source, etc.);</li> <li>2. Obtained results should be compared to other state-of-the-art vessel detection techniques like level set or Frangi filtering;</li> <li>3. Can developed method be applied to blood vessel images obtained by other imaging modalities, e.g. MRI brain images?</li> <li>4. Laplacien -&gt; laplacian</li> </ol> | <p>1. We mentioned in experimental results section that we used the image from STARE database.</p> <p>2. Disagree: Because, in our work the objective is to detection the edge in blood vessel images and not blood vessel detection. We compared already with Sobel edge detection.</p> <p>3. Yes, in any images modalities.</p> <p>4. Agree: done in revised version (green color)</p> |
| <b><u>Minor</u></b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                          |
| <b><u>Optional/General</u></b> comments    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                          |