



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_39611
Title of the Manuscript:	Classification of Soya Beans based Image Processing Techniques and Artificial Neural Network
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:

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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	Author have proposed a technique to Classify Soya Beans based on Image Processing Operation & Artificial Neural Network. Authors have applied serious of operations to justify these methods. However there are few points which I think will increase the representation & appeal of the paper- Comments – 1) Since authors have used serious of cascaded operations in MATLAB, so authors are suggested to comment on the practical viability & time complexity of the technique 2) I would suggest authors to add more numbers of keywords. 3) Also as the authors are presenting the application oriented study of artificial neural networks for the classification of the soya beans leaves, I would suggest them to add a prescribed section for detailed description for the ANN.' 4) The authors have applied the pre-processing techniques like de-noising and enhancement. It sure had uplifted the performance of the given algorithm. However, it would look representative if authors would describe the manner in which the enhancement and denoising have enhanced the performance. 5) Also the authors would like renaming the image acquisition section as data collection as the word "image acquisition" seems naïve from a research writing point of view.	1 – The complexity of the technique depends on the samples size use to train the neural network. However, this is part of another paper title "Performance evaluation of samples size towards classification using ANN" am currently working on. 2- Keywords such as MATLAB, Machine learning and object recognition have been added. 3 – Detailed description of ANN in this paper will be out of the scope, however, a brief overview has been added. 4 – It's believe that during data collection (image capturing), uncontrolled factors such as wind may introduce noise, hence the need for denoising the image. However, I did not measure the impact of denoising the images as suggested due to limited time. 5 – Correction has been affected as suggested
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		