



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_7158
Title of the Manuscript:	Neural Network based Image Compression approach to improve the quality of Biomedical Image for Telemedicine
Type of the Article	Original Research Paper

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	Authors present a new approach compression using artificial neural networks for medical image. A literature review in this domain was made. Results are compared with image compression techniques JPEG2000. Obtained results are satisfactory.	Agreed.
<u>Minor</u> REVISION comments	Formula $H_j(X_{ij}, X_i)$ must be written. Paragraphs 2.3 and 2.4 must be written	Formula $H_j(X_{ij}, X_i)$ is already present in step 6 of image compression process. Done.
<u>Optional/General</u> comments	Grammar errors and spelling mistakes must be removed. The compression ratio is not the only parameter, use the PSNR. Present the results of other images (Q2, Q3, Q4 or Q5). Obtained results should be discussed.	Done. Agreed. In future work the parameter PSNR and computation time will be considered and observed values will be compared with other widely used compression schemes used in medical imaging. The observed values of compression ratio (Y-axis) for 5 biomedical image samples (X-axis) are plotted and compared between proposed approach and JPEG2000. Line 351- 354.