



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_46862
Title of the Manuscript:	ASYMPTOTIC ANALYSIS OF THE STATIC AND DYNAMIC BUCKLING OF A COLUMN WITH CUBIC - QUINTIC NONLINEARITY STRESSED BY A STEP LOAD.
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>)



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)
Compulsory REVISION comments	- The abstract of the article can be more concise and restructured. - It will be interesting for the readers if the comparison can be done with some other published study for the buckling effect of some different material with approximately the same stiffness. If it is possible. - Literature review is ambiguous; include some more recent state of the art papers in Literature review for better understanding. Refer following papers for better understanding: - Elahi, H., Eugeni, M., & Gaudenzi, P. (2019). Design and performance evaluation of a piezoelectric aeroelastic energy harvester based on the limit cycle oscillation phenomenon. Acta Astronautica. - Elahi, H., Eugeni, M., & Gaudenzi, P. (2018). A review on mechanisms for piezoelectric-based energy harvesters. Energies, 11(7), 1850. - Swati, R. F., Wen, L. H., Elahi, H., Khan, A. A., & Shad, S. (2018). Extended finite element method (XFEM) analysis of fiber reinforced composites for prediction of micro-crack propagation and delaminations in progressive damage: a review. Microsystem Technologies, 1-17. - The results description is still weak. Improve it with the physics behind these.	
Minor REVISION comments	There are numerous grammatical errors throughout the paper, which need to be correct. Some sentences are unnecessarily long.	
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

Reviewer Details:

Name:	Hassan Elahi
Department, University & Country	Sapienza University of Rome, Italy