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| Book Name: | [**Engineering Research: Perspectives on Recent Advances**](https://www.bookpi.org/bookstore/product/engineering-research-perspectives-on-recent-advances-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5456** |
| Title of the Manuscript:  | **Dynamic Analysis of Single-Degree-of-Freedom Mechanical Systems: Investigating Free Vibration Characteristics Through Theory, Experimentation, and Numerical Simulation** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**International Journal of Scientific and Research Publications, 15(1): 83-93, 2025.**

**DOI:** [**http://dx.doi.org/10.29322/IJSRP.15.01.2025.p15712**](http://dx.doi.org/10.29322/IJSRP.15.01.2025.p15712)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** |  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** |  |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. |  |  |
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| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** |  |  |
| Is the language/English quality of the article suitable for scholarly communications? |  |  |
| Optional/General comments | After carefully reviewing the revised version, it is clear that the authors have successfully addressed the required improvements and responded constructively to most of the comments raised. These revisions demonstrate a clear effort to refine the manuscript, enhance its clarity, and ensure the robustness of the presented findings. In light of these improvements, I believe the manuscript meets the necessary standards and is now suitable for publication. |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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?**  | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Ahmed E. Abouelregal, Jouf University, Saudi Arabia**