

### Review Form 3

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	Ms_AIR_129740
Title of the Manuscript:	Research review on identification of time-varying bridge damage under moving loads
Type of the Article	Review article

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **PART 1: Comments**

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	<b>Advantages of Strain Energy-Based Methods:</b> High sensitivity to minor damage. Localizes damage effectively compared to global modal parameter methods. Applicable in complex structures where strain data can be obtained.	
Is the title of the article suitable? (If not please suggest an alternative title)	<b>Not.</b> Dynamic Assessment of Bridge Damage under Moving Loads: A Review Or Bridge Structural Health Monitoring under Moving Loads: A Time-Varying Perspective	
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.	<b>Suggestion: Strain energy-based damage identification methods focus on leveraging variations in strain energy distributions to detect and quantify damage in structures. These methods are particularly effective as they relate directly to structural deformation and energy dissipation.</b>  <b>Current research status, methodologies, and challenges need to be explain by adding 3 to 4 sentence.</b>	
Is the manuscript scientifically, correct? Please write here.	Minor modification is required as specified.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References format needs to be systematic and follow proper format, Reference 1-15 and 16 to 20 . More references can be added up : DOI: <a href="https://doi.org/10.52783/jes.2752">https://doi.org/10.52783/jes.2752</a> <a href="https://www.ijisae.org/index.php/IJISAE/article/view/6031/4804">https://www.ijisae.org/index.php/IJISAE/article/view/6031/4804</a>	

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<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes Still, some sentences need to be grammatically corrected.	
<b>Optional/General</b> comments	<b>The conclusion part is missing. Do the needful. The reference format needs to be correct.</b>  1. Title modification required. 2. Dependence on accurate baseline models (undamaged states). Computational intensity for high-resolution models or large-scale structures. Requirement of high-fidelity sensor networks for precise strain measurements. Need to be explained. 3. Conclusion part need to be inserted in this paper. 4. Reference need to be formatted and updated.	

### **PART 2:**

	<b>Reviewer's comment</b>	<b>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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

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