

Review Form 3

Book Name:	Science and Technology: Developments and Applications
Manuscript Number:	Ms_BPR_ 4039
Title of the Manuscript:	Performance-Based Seismic Design Using REDSET – A Novel Reliability Evaluation Approach
Type of the Article	Book chapter

General guidelines for the Peer Review process:

This Book’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:

<https://r1.reviewerhub.org/general-editorial-policy/>

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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.	In this research proposed a novel reliability evaluation approach of REDSET (Reliability Evaluation of Dynamic Systems Excited in Time Domain) for the PBSO (Performance-Based Seismic Design). It is helpful to evaluate the reliability of structure. Also, reliability method can find the IO, LS, and CP.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes.	
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.	It is recommended to re-write the abstract again by showing the major results.	
Is the manuscript scientifically, correct? Please write here.	Yes.	

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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	It is required to add updated references.	
Is the language/English quality of the article suitable for scholarly communications?	Yes.	
Optional/General comments	No, Thanks.	

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) No.	
Are there competing interest issues in this manuscript?	No.	
If plagiarism is suspected, please provide related proofs or web links.	I am not checked due to lack of plagiarism checking tools.	

PART 3: Declaration of Competing Interest of the Reviewer:

Here reviewer should declare his/her competing interest. If nothing to declare he/she can write “I declare that I have no competing interest as a reviewer”

I declare that I have no competing interest as a reviewer

PART 4: Objective Evaluation:

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Guideline	MARKS of this manuscript
Give OVERALL MARKS you want to give to this manuscript (Highest: 10 Lowest: 0) Guideline: Accept As It Is: (>9-10) Minor Revision: (>8-9) Major Revision: (>7-8) Serious Major revision: (>5-7) Rejected (with repairable deficiencies and may be reconsidered): (>3-5) Strongly rejected (with irreparable deficiencies.): (>0-3)	7

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Editorial Comments (This section is reserved for the comments from book editorial office and editors):

	Author's Feedback

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Write 5-8 Keywords regarding expertise of Reviewer	Soil-Structure Interaction, Nonlinearity, Multi-Criteria Decision Making (MCDM), Analytical and Numerical Analysis, Constitutive Modelling.