

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_120658
Title of the Manuscript:	Exploratory Study of Construction Techniques for Optimal Supersaturated Designs in Factor Screening Experiments
Type of the Article	

Review Form 3

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	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 few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	The research is exploratory and therefore an inductive process to gain understanding of the subject. The study is on SSD construction techniques and its applicability using examples. Optimality criterion based on efficiency is done	
Is the title of the article suitable? (If not please suggest an alternative title)	One needs to follow the basics of exploratory study. the topic is otherwise, is well selected .	
Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.	Suggestions are attached in the uploaded file.	
Are subsections and structure of the manuscript appropriate?	It need formatting and sections and sub-sections need structuring in number formattions	
Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.	Supersaturated design are relevant design tool for factor screening experiment for its run size economy and desirable factors inclusion . The research is on the construction of SSD using hadamard matrices . Though the study was mentioned in some papers but not much study had been done . The methodology used need to be written step wise clearly. Optimality criterion considered is valid : $E(s-2)$ and $UE(s-2)$ $UE(s-2)$ i: Relaxing a requirement of $E(s-2)$ -optimal designs that each factor is balanced any main effect is orthogonal to the mean.	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.	NOT much references are in the manuscript some references are added in the uploaded file Lin(1993),Wu(1993),Hu,Wang and Sun(2024),	
<u>Minor</u> REVISION comments Is language/English quality of the article suitable for scholarly communications?	Improvement	
<u>Optional/General</u> comments	Conclusion should be given on the basis of constructed design . 1. Summarize Key Findings: Highlight the main results and how they align with the design and objectives of your study. 2. Discuss Implications: Explain the significance of your findings in the context of the field. How does your design contribute to existing knowledge? 3. Address Limitations: Acknowledge any limitations in your design and how they might affect the results. 4. Suggest Future Research: Propose areas for further investigation that could build on your work.	

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PART 2:

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

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