

Review Form 3

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_126390
Title of the Manuscript:	A Note on k-Circulant Matrices with the Generalized Padovan Numbers
Type of the Article	

PART 1: Review Comments

Compulsory 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 a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The manuscript titled " A Note on k-Circulant Matrices with the Generalized Padovan Numbers " presents significant contributions to the field of linear algebra and number theory by exploring k-circulant matrices specifically in the context of generalized Padovan numbers. By deriving explicit forms for various matrix norms and eigenvalues, the work enhances our understanding of the structural properties of these matrices, which can be applicable in diverse areas such as numerical analysis and combinatorial optimization. I appreciate this manuscript for its clear theoretical advancements and the rigorous approach it employs in tackling complex mathematical concepts.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title of this article appears to be suitable given the content described in the abstract and introduction.	
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.	The abstract you've provided is generally clear but could benefit from a few enhancements to improve comprehensibility and detail. Here are some suggestions: Suggestions for Improvement: <ol style="list-style-type: none"> 1) Clarify the scope: Include a brief sentence on the significance or applications of k-circulant matrices and generalized Padovan numbers. 2) Define Key Terms: Consider defining 'k-circulant matrix' and 'generalized Padovan numbers' briefly within the abstract, especially for readers who may not be familiar with these concepts. 3) Results Summary: Instead of just listing the properties obtained, summarize the main findings or implications of these results. 4) Remove Redundancies: The phrase 'the maximum column sum matrix norm' could be shortened to 'the maximum column sum norm' for conciseness. 	
Are subsections and structure of the manuscript appropriate?	NO. There is not section and subsection. Where is the conclusion? It's an article that is not structured at all.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript appears to be scientifically robust and technically sound for several reasons: <ol style="list-style-type: none"> 1) Mathematical Foundations: The paper builds on established mathematical concepts, such as k-circulant matrices and the generalized Padovan sequence, which are well-documented in the literature. 2) Explicit Results: The authors provide explicit forms for several important matrix characteristics, including norms, eigenvalues and determinants. 3) Broad Mathematical Scope: By addressing various properties of k-circulant matrices and their relationships to generalized Padovan numbers. 4) Clarity of presentation: The introduction outlines the necessary definitions and properties, setting a clear context for the results presented. 	

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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, the references are sufficient and recent.	
Is the language/English quality of the article suitable for scholarly communications?	Yes,	
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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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