

Review Form 3

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_125303
Title of the Manuscript:	A Study On Matrix Sequence with Generalized Guglielmo Numbers Components
Type of the Article	Research 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: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This paper presents an important investigation related to the well-known Guglielmo Numbers and their matrix sequences. When I reading it, I think that the paper includes very interesting results for the readers of the journal.	
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.	<p>Abstract may be revised as follows:</p> <p>We know that the diverse applications of matrix sequences in fields such as physics, engineering, architecture, nature, and art. Numerous authors have delved into the study of these matrix sequences in existing literature. Furthermore, in In this study, we define and investigate the generalized Guglielmo matrix sequence. Hence, in detail, For this aim, we set four specific cases of that sequence that are called triangular matrix sequences, Lucas-triangular matrix sequences, oblong matrix sequences, and pentagonal matrix sequences. Next, we We present their Binet's formulas, generating functions, and the summation formulas, and some elementary identities for these sequences. Moreover, we give some identities and matrices related with these sequences. Furthermore, we show that there always exist some relationships interrelation between generalized triangular, Lucas-triangular, oblong and pentagonal matrix sequences.</p>	
Are subsections and structure of the manuscript appropriate?	Yes	
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 mathematical developments look correct except for minor detail, and the examples are well-developed. The structure and presentation of the manuscript are clear, the language is good but there are still some limitations of the represented work. Still, it can be accepted after the authors address and incorporate the following minor points in the revised manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are quite good.	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes, it is suitable.	
Optional/General comments	On page 3, in line -7: please complete the sentence. On page 5, in line 2: please complete the sentence. On page 6, in line -6: "formulas" should be revised "as "formula". On page 7, in line -2: "the Binet's" should be revised "as "Binet's". and throughout the paper On page 8, in line -7: "the Binet " should be revised "as "Binet's".	

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>	

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