

Review Form 1.7

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_95530
Title of the Manuscript:	Generalized Olivier Numbers
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalarjom.com/index.php/ARJOM/editorial-policy>)

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Herein, the author(s) introduce and investigate the generalized Olivier sequences and we deal with, in detail, two special cases, namely, Olivier and Olivier-Lucas sequences. Also, they presented Binet's formulas, generating functions, Simson formulas, and the summation formulas for these sequences. Moreover, they give some identities and matrices related with these sequences.</p> <ol style="list-style-type: none"> 1. The manuscript is important to the field of number theory and special functions. 2. The article is suitable for publication after addressing the following comments, listed below in bullet points. 3. The abstract is comprehensive. 4. All sections and subsections are appropriate. 5. The mathematics of the paper is correct. 6. The list of Refs should be updated with the Refs listed below. <p>Here are my comments:</p> <ol style="list-style-type: none"> a. The introductory section should be updated to cover: the main motivation of the work, the pros/cons of the work (if any). b. Some Lemmas are offered without proof, please give a sketch of the proof. c. Concluding remarks should be added. d. Comment on the future extensions of the work. e. Update the review literature with the following recent relevant work: <ul style="list-style-type: none"> • Advanced Studies in Contemporary Mathematics (Kyungshang) 28 (3), 357-367, 2018. • JP Journal of Algebra, Number Theory and Applications 38 (4), 349-362, 2016. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Proofread the whole manuscript for typos and grammatical errors.	
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?	(If yes, Kindly please write down the ethical issues here in details)	

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