



SDI Review Form 1.6

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_48075
Title of the Manuscript:	ON SIMPLICIAL POLYTOPIC 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:

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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)
Compulsory REVISION comments		
Minor REVISION comments	<p>Pythagoras and the other Greek mathematicians of his school studied intensively the class of figurate numbers named the polygonal numbers [5], [6]. On the other hand, they made little research on the the class of figurate numbers named the simplicial polytopic numbers or, as they are sometimes called, the generalized triangular numbers. The simplicial polytopic numbers are a family of sequences of figurate numbers corresponding to the r-dimensional simplex for each dimension r, where r is an integer. Little is known of these numbers. The goal of this article is, therefore, to provide in a concise manner new as well as old results pertaining to the simplicial polytopic numbers. The remainder of the article is divided into seven sections. Section 2 deals with the basis of the polytopic numbers. Section 3 is concerned with the sums of the polytopic numbers and section 4 deals with the alternating sums of the polytopic numbers. In sections 5 and 6 we discuss respectively the sums and alternating sums of reciprocals of the polytopic numbers. Section 7 covers the products of the polytopic numbers. The final section, that is section 8, provides interesting identities relating to the polytopic numbers. We omit proofs of easily verified results and those that can be found in readily available sources. One proving technique that may be of great service for the reader is the mathematical induction.</p> <p>This paper is written well and logically organized. More examples are provided to show the less conservative results than others. However, the following points should be further addressed in the revision before I recommend the paper for publication.</p> <p>1) It seems that the technique of this paper is well-known. The authors must clearly show the difference and improvements in comparison with the existing results in the view of technique analysis.</p> <p>2) The motivation on why to propose such a framework and strategy in real-world applications should be clearly emphasized. It would be much better if some guideline remark words on practical applications should be given.</p>	The general techniques of proofs [known to authors only] will be given in future papers where each of the new results with applications will be discussed in detail.
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>	