



SDI Review Form 1.6

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_36699
Title of the Manuscript:	Monotonicity and convexity properties and some inequalities involving a generalized form of the Wallis' cosine formula
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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	No	
Minor REVISION comments	Please check once again English grammatical sentences.	
Optional/General comments	The article is written in a systematic manner. After seeing the article author/s are aware of the latest development of the subject. Author/s objectives is to prove that the a generalization of the Wallis' cosine formula $H(x)$ is logarithmically completely monotonic, logarithmically convex and decreasing. Furthermore, by adopting the classical Wendel's, Ho"lder's and Young's inequalities, among other analytical techniques, some new inequalities which involve the generalized function have been established. In my knowledge the results are satisfactory. I recommend for publish in your esteemed journal.	

Reviewer Details:

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