

Review Form 1.6

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_76935
Title of the Manuscript:	The second Hyper-Zagreb index of complement graphs and its applications of some Nano Structures
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>Evaluation Summary</p> <p>The manuscript has been reviewed carefully. The review is based on the suitability of manuscript with the scope of the journal, originality of the work, addition to existing literature, novelty, comparison with the state of the art, solution methodology and the write-up presentation. A review of recent literature $1 + G_2$, tensor product $G_1 \otimes G_2$, Cartesian product $G_1 \times G_2$, composition $G_1 \circ G_2$, strong product $G_1 * G_2$, disjunction $G_1 \vee G_2$ and symmetric difference $G_1 \oplus G_2$ explicit formulas for some basic mathematical operations for the second hyper-Zagreb index of complement graph containing the join G. Moreover, we studied the second hyper-Zagreb index for some certain important physicochemical structures such as molecular complement graphs of V-Phenylenic Nanotube V P HX[m, n], V-Phenylenic Nano torus V P HY [m, n] and Titania Nanotubes T bio. The scientific values of the results presented in the manuscript are useful. The results are original and novel. The mathematical notations are clearly defined and consistently used within the whole manuscript. It is well written, well-structured and is an addition to existing literature.</p> <p>Recommendation</p> <p>The manuscript is accepted for publication in the Asian Journal of Probability and Statistics.</p>	
Optional/General comments		

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
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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