

Review Form 2

Book Name:	Innovative Solutions: A Systematic Approach Towards Sustainable Future
Manuscript Number:	Ms_BPR_ 3724.39
Title of the Manuscript:	COMPUTATIONAL ASPECTS ON TOPOLOGICAL INDICES OF GRAPH OPERATIONS OF CARBON NANOCONE
Type of the Article	COMPLETE BOOK CHAPTER

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.	Topological indices are numerical values derived from molecular graphs, categorized as degree-based and distance-based. In this paper, the authors employed degree-based topological indices for two chemical structures, namely carbon nanocones and nanotori. Both the molecular graphs and the indices analysed in this study are highly limited, which restricts the overall significance of the work. With over 3000 indices available, the choice of only four indices is not adequately justified. So insert some more indices.	
Is the title of the article suitable? (If not please suggest an alternative title)	Suggestion: Computation of Degree-Based Topological Indices for Carbon Nanocone Structures	
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.	Add, What is the significance of this paper in abstract.	
Are subsections and structure of the manuscript appropriate?	The overall structure of the paper lacks clear definition. Modify the definitions and theorems statement.	
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 preliminaries section lacks proper mathematical formatting, which makes it difficult to comprehend. Furthermore, while the paper mentions that edge partitions are differentiated by color, this is not consistently reflected throughout the text and figures, leading to ambiguity.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	No. The following references may also be included 1. http://dx.doi.org/10.4038/jnsfsr.v47i4.9681 2. Ullah, A.; Zaman, S.; Hussain, A.; Jabeen, A.; Belay, M.B. Derivation of Mathematical Closed-Form Expressions for Certain Irregular Topological Indices of 2D Nanotubes. <i>Sci. Rep.</i> 2023 , <i>13</i> , 11187. https://doi.org/10.1038/s41598-023-38386-1 . 3. Nazeer, W.; Farooq, A.; Younas, M.; Munir, M.; Kang, S.M. On Molecular Descriptors of Carbon Nanocones. <i>Biomolecules</i> 2018 , <i>8</i> , 92. https://doi.org/10.3390/biom8030092	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The article exhibits some language-related shortcomings.	
Optional/General comments	The discussion section lacks sufficient depth and fails to connect the findings with recent research. There is no comparison with existing works or a clear explanation of how the results enhance the understanding of the properties of carbon nanocones and nanotori.	

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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)	

Reviewer Details:

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