

Review Form 3

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_124646
Title of the Manuscript:	The Dielectrics Study of pure Graphene and Graphene/Titania/Polyvinylidene Fluoride in Giga-Hertz using Debye Relaxation Model
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	This manuscript holds significant importance for the scientific community as it examines the dielectric properties and attenuation of advanced materials like graphene and its composites within the gigahertz frequency range, which have widespread applications in telecommunications, advanced electronics, and electromagnetic wave absorption. The presented results provide valuable insights into the dielectric behavior of materials at high frequencies, which is crucial for designing and improving high-performance electronic devices. Additionally, the numerical methods used and the obtained results can serve as a foundation for further research in the field of advanced materials and their applications in wave absorption and protection against electromagnetic interference.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the article title is appropriate.	
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.	Including the results for the imaginary part of the conductivity, the real and imaginary parts of magnetic permeability, and magnetic loss is essential.	
Are subsections and structure of the manuscript appropriate?	All sections and subsections related to electromagnetic parameters, including the real and imaginary parts of magnetic permeability, and other electromagnetic parameters, must be mentioned in the text.	
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.	This manuscript is scientifically strong due to its examination at high frequencies, provided that all electromagnetic parameters are mentioned.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient, but some of them are not from the last five years. In fact, it would be better if these references were from the past five years.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The quality of the English language in the article is suitable for scientific communication. However, there are some structural and grammatical issues that need to be revised.	
Optional/General comments	I would like to remind once again that not all electromagnetic parameters have been discussed. It should also be noted that, considering the title, it is necessary to discuss the electromagnetic properties of the materials and address the mentioned parameters. <ol style="list-style-type: none"> 1. Dielectric properties of graphene and its composites 2. Electromagnetic wave absorption 3. Reduction in dielectric constant and dielectric losses These topics can attract interest from those working in fields such as materials physics, electronics engineering, and telecommunications.	

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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>	

Reviewer Details:

Name:	Seyyed Salman Seyyed Afghahi
Department, University & Country	Imam Hossein University, Iran