

Review Form 1.7

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_100330
Title of the Manuscript:	Microwave Synthesis and characterization of Gold Nanoparticles with Tamarindus Indica Seed Gum
Type of the Article	Short 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:

(<https://journaljmsrr.com/index.php/JMSRR/editorial-policy>)

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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The manuscript describes a method for synthesis of gold nanoparticles using tamarind seed gum. It can be regarded as a contribution in the area of biosynthesis of metallic nanoparticles.</p> <p>Yes</p> <p>Yes but needs to emphasize importance of biosynthesized nanoparticles.</p> <p>Conclusion is missing.</p> <p>Yes but figure showing effects of concentration of H_{Au}Cl₄ on SPR peak is missing even though it is mentioned to be given in the text. Figure 1 shows effect of time only.</p> <p>Yes, However more references of previous work on biosynthesis using TSG should be included.</p> <p>A diagram showing structure of capping molecules and the way it bonds with the NPs should be shown for better understanding. Details of sample preparation techniques for xrd , ftir and tem analysis should be given. Advantages of using TSG instead of other biomolecules should be given. Role of Microwaves in this method of synthesis is not discussed. The manuscript needs a proper conclusion/ summary section.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	No, lots of grammatical errors present.	
<p>Optional/General comments</p>	Can be accepted after minor revisions	

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)	

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