

### Review Form 3

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	Ms_JMSRR_126775
Title of the Manuscript:	Influence of Cerium (Ce) doping on the Optical properties of silver sulphide (Ag <sub>2</sub> S) and silver sulphide (Ce: Ag <sub>2</sub> S) thin films deposited by electrodeposition method.
Type of the Article	Research Article

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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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (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.	The research that as Ce concentration increases, the films reflect more light, potentially reducing their effectiveness for absorption-based applications but increasing their suitability for applications where light reflection is desired. The simple and cost-effective electrodeposition method was used.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Yes, it is comprehensive	
Are subsections and structure of the manuscript appropriate?	Yes, it is appropriate	
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.	In this research authors have reported the influence of cerium (ce) doping on the optical properties of silver sulphide (Ag <sub>2</sub> S) and silver sulphide (Ce: Ag <sub>2</sub> S) thin films deposited by electrodeposition method at different percentage molar concentration. Absorbance results confirmed that increasing Ce concentration significantly boosts the absorbance of Ag <sub>2</sub> S thin films, with the Ce: 10.0% film being the most effective in absorbing UV, visible, and near-infrared light, making it a strong candidate for applications in photovoltaics and optical devices, increasing Ce concentration results in reduced transmittance, making the films more absorptive, especially at higher concentrations, where Ce: 10.0% is the least transparent and most effective for applications requiring light absorption. The manuscript needs minor revision based on following points There are some spelling errors, and needs to be corrected. The introduction should be elaborated by adding the latest references. The references given in conclusions should be deleted.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
<b>Minor</b> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes	
<b>Optional/General</b> comments	The paper needs minor revision based on following points. The manuscript needs minor revision based on following points There are some spelling errors, and needs to be corrected. The introduction should be elaborated by adding the latest references. The references given in conclusions should be deleted.	

#### PART 2:

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

#### Reviewer Details:

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