

## Review Form 1.6

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	Ms_JMSRR_85972
Title of the Manuscript:	Effect of Dopant Concentration and Solution pH on the Structural and Optical Properties of Electrodeposited Manganese-Doped Zinc Selenide Thin Films
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:

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

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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)
<b>Compulsory</b> REVISION comments	<p>1. The producing method of the thin films is very different than the literature, however you should explain with reactions.</p> <p>2. The Se powder is not solubility in the water or NH3 media. It is very difficult solubility in the water. Explain it. Where is the EDX analysis? We need to EDX analysis.</p> <p>3. What are the differences of Mn-doped ZnSe thin films to the literature (such as ZnSe thin films or MnSe thin films). You should compare to literature:                      A New Route to Synthesize MnSe Thin Films by Chemical Bath Deposition Method, Mat. Res. 21 (2) • 2018                      Effect of pH on The Structural and Optical Properties of Polycrystalline ZnSe Thin Films Produced by CBD Method, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, ss.1-4, 201                      Optical and Structural Properties of ZnSe Thin Films with Chemical Bath Deposition International Conference on Engineering Technology and Innovation (ICETI)'2017, Sarajevo.                      The Structural and Optical Properties of ZnSe Thin Films, Turkish Physical Society 29. International Physics Conference, 2012</p> <p>4. You should compare your results (optical and electrical conductivities) to literature:                      Optical properties of cobalt xanthate films on different substrates, Int. J. Miner. Metall. Mater., 21(2014), No. 7, pp. 736-740                      Optical properties of selenium sulfide thin film produced via chemical dropping method, 2018, Optical and Quantum Electronics 50(12)                      Surface Review and Letters Vol. 28, No. 04, 2150019 (2021) A NEW APPROACH TO PREPARE POLYCRYSTALLINE PbTe–TeO THIN FILM, AND ITS OPTICAL, STRUCTURAL, SURFACE AND ELECTRICAL CHARACTERIZATION                      A new process to synthesize CrSe thin films with nanosize by CBD method, 2019 Mater. Res. Express 6 036412</p>	
<b>Minor</b> REVISION comments	Drawing optical band gaps figure can be controlled by authors.	
<b>Optional/General</b> comments		

**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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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