



SDI Review Form 1.6

Journal Name:	<u>American Chemical Science Journal</u>
Manuscript Number:	Ms_ACSJ_23356
Title of the Manuscript:	Chemical bath deposition of ZnSe thin films: Investigations of the growth conditions
Type of the Article	Original Research paper

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	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>
<u>Compulsory</u> REVISION comments	Suggestions: Line 9 and 214 In the abstract and conclusions to change microscope glass slide by glass substrate. Line 13 to 30 Introduction is very short, to include more information about chemical bath deposition. Deposition ion-by-ion or cluster by cluster. Line 35 delete Microscope. Line 38 To include how many mls were addition for pH control. Line 40 How many milliliters were add 0.01M of sodium selenosulphate?	Glass substrate was used to replace microscope glass slide. I have added more explanation related to chemical bath deposition method. Microscope has removed. In this work, pH was adjusted using ammonia and was measured using pH meter. 20 mL of sodium selenosulphate.



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	Figure No.1 Check or change the line type for pH 10.8 To keep in the same figure graphics 2a to 2d and in the same figure to include an insert with zoom in the values between 2.7 to 2.9 eV. Line 99 To explain why change the E_g with pH. Lines 202, 203 and 207, to change EDAX by EDX because EDAX is a brand For EDX how many analyses were realized? To include the mean values and error for series. According to results by EDX Authors must include at least five analysis realized by each sample and they will corroborate the change the stoichiometry with the pH and a X ray diffraction pattern for define the phase, cubic or hexagonal, etc. of ZnSe. For EDX probably not changes between 10.2 to 11.2 pH, because do not have the error for each analysis. To add an image of the microstructure of the films.	I have removed the Figure 2. To our knowledge, there is no report on the investigation of composition of ZnSe films by using EDX technique in the presence of zinc acetate and sodium selenosulphate solutions. This is the main research objective in my work. In this moment, I only able to obtain the results in EDX analysis. In future, I will do more analysis by using XRD and SEM. It is a good suggestion. However, Currently, I did not have sufficient grant to do XRD. So far, only one analysis will be investigated for each sample. Because of research grant also. I hope that you can understand my situation.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		