

**Review Form 3**

|                          |   |
|--------------------------|---|
| Journal Name:            | <b>Journal of Materials Science Research and Reviews</b>  |
| Manuscript Number:       | <b>Ms_JMSRR_121822</b>  |
| Title of the Manuscript: | <b>INFLUENCE OF Ti DOPING ON THE OPTICAL AND STRUCTURAL PROPERTIES OF ZnTiO THIN FILMS DEPOSITED BY ELECTRODEPOSITION TECHNIQUE</b> |
| Type of the Article      |   |

### Review Form 3

#### 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) |
|--|---|---|
| <b>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.</b>                        | The structural analysis via X-ray diffraction indicated that the fabricated films have crystalline structures which are also influenced by Ti doping. The crystallite size of the films was found to increase while micro-strain decreased as doping concentration increased which signified improvement in crystal structure for device applications. These obtained results positioned the deposited thin films of Ti-doped ZnO for wide range of electronic and opto-electronic device applications. |   |
| <b>Is the title of the article suitable? (If not please suggest an alternative title)</b>  | <b>Yes</b>  |   |
| <b>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.</b>   | <b>In the abstract add the concept of thin film transistors</b>   |   |
| <b>Are subsections and structure of the manuscript appropriate?</b>  | <b>Yes</b>  |   |
| <b>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.</b> | Thin films of titanium doped zinc oxide (Ti-ZnO) have been successfully deposited on fluorine doped tin oxide (FTO) conductive glass substrate using electrodeposition method to study the effects of Ti doping on ZnO films in this work. Zinc acetate and titanium powder digested with hydrogen fluoride were the starting materials used for Zn, Ti and O ions sources. Volume concentration of Ti ions source was varied with very slight change in the source of Zn and O ions.                   |   |
| <b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>   | <b>Mention the references which are latest in the field of TFT's</b>  |   |
| <b>Minor</b> REVISION comments   |   |   |
| <b>Is the language/English quality of the article suitable for scholarly communications?</b>   | Yes   |   |
| <b>Optional/General</b> comments   | Good and informative  |   |

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

**Review Form 3**

**Reviewer Details:**

|                                  |  |
|----------------------------------|--|
| Name:                            | <b>Vasudeva G</b>  |
| Department, University & Country | <b>Dayananda Sagar Academy of Technology and Management, India</b> |