



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">British Journal of Applied Science &amp; Technology</a>                                                                                   |
| Manuscript Number:       | Ms_BJAST_24437                                                                                                                                        |
| Title of the Manuscript: | <b>Photoelectric Characterization of Dye-Sensitized Solar Cells Using Natural<br/>Dye from roselle plant (hibiscus safdariffa) as Photosensitizer</b> |
| Type of the Article      | <b>Original Research Article</b>                                                                                                                      |

**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 (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><u>Compulsory</u></b> REVISION comments | <p><b>What is the blocking layer in the DSSC?</b></p> <p><b>What is the TiO<sub>2</sub> precursor?</b></p> <p><b>Authors stated that "Better result was obtained using our proposed method" Can the authors spell out their method and that of Adenike <i>et al</i> (2013) precisely, which I think may lead to improvement in efficiency of DSSCs using natural dyes in the future.</b></p> | <p>1. The nanocrystalline TiO<sub>2</sub> layers used in DSSC devices often contain small holes that allow direct contact between the electrolyte and conducting electrode and result in the charge leakage. In order to prevent the carriage leakage, a blocking layer has been used between the conducting electrode and the nanocrystalline TiO<sub>2</sub> layer.</p> <p>2. the 2.5 wt% TiO<sub>2</sub> precursor was the % in weight used during the deposition</p> <p>3. it was the same method used but different extracting solvent, the correction for the statement is adjusted.</p> |
| <b><u>Minor</u></b> REVISION comments      | Thickness measurement was obtained with a Dektac 150 surface profiler. Thickness of what?                                                                                                                                                                                                                                                                                                    | Thicknes of the TiO <sub>2</sub> film which was 9 $\mu$ m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b><u>Optional/General</u></b> comments    | I think EDX results not necessary                                                                                                                                                                                                                                                                                                                                                            | Ok                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |