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Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2014_BJAST_13654
Title of the Manuscript:	Three fresh plant seeds as natural dye sensitizers for titanium dioxide based dye sensitized solar cells
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:

(<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)
Compulsory REVISION comments	In general, the paper is well-structured and the information presented is scientifically sound. However, the paper needs to be revised thoroughly prior to publication. There is information missing from the methodology section, for example the thickness of the TiO₂ films, the chemical structure and properties of the dyes, etc. The authors should also mention the reason why they chose these particular plants in order to extract the dyes. The paper also contains very few references to the literature. The authors should include more references on DSSCs in general and on similar works on DSSCs using natural dyes. The following references should be added to the paper: 1. A. Hagfeldt, G. Boschloo, L. Sun, L. Kloo and H. Pettersson, Chem. Rev., 2010, 110 (11), pp 6595–6663 2. A. Mishra, M. K. R. Fischer, and P. Bauerle, Angew. Chem. Int. Ed. 2009, 48, 2474 – 2499 3. Huizhi Zhou, Liqiong Wu, Yurong Gao, Tingli Ma, Journal of Photochemistry and Photobiology A: Chemistry, Volume 219, Issues 2–3, 15 April 2011, Pages 188–194 4. Giannouli, M., Syrokostas, G., Yianoulis, P., Progress in Photovoltaics: Research and	Remark: please note that all changes are underlined and red-colored in the revised manuscript. Thickness of TiO₂ layer and the reasons of choosing these dyes have been added to the revised manuscript. Please see pages 2 and 3. All these refs have been added to the revised manuscript. Please see the list of refs.



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	Applications, 18 (2), pp. 128-136 5. Simon Mathew, Aswani Yella, Peng Gao, Robin Humphry-Baker, Basile F. E. Curchod, Negar Ashari-Astani, Ivano Tavernelli, Ursula Rothlisberger, Md. Khaja Nazeeruddin & Michael Grätzel, Nature Chemistry 6, 242-247 (2014) The conclusion should be re-written completely, especially the part relating to the role of the PH. The optimum PH value should be included in the conclusion, together with a short justification.	In the revised manuscript, the conclusion has been rewritten and enriched.
<u>Minor</u> REVISION comments	The operating principle of DSSCs is described in the introduction. It would be useful to also include a figure that illustrates this process schematically. A picture of the finished DSSCs or of the dyed TiO₂ films would also be of interest. Language quality needs to be improved prior to publication. It is suggested that the authors review the manuscript carefully and correct language errors	The figure has been added (Fig 1) The picture is shown below in this file. I do not prefer to add it to the revised manuscript. The language has been improved.
<u>Optional/General</u> comments		

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