



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_9026
Title of the Manuscript:	Investigation on characterisitcs of PVDF/ZnO nanocomposite films for high-k capacitors
Type of the 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:

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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		
Minor REVISION comments	The more detailed discussion on the results in Fig. 2 is necessary. Specifically, the reason, why ZnO-2 and ZnO-3 showed the similar dielectric constants throughout all the temperature ranges, should be clarified.	The specimens, ZnO-2 and ZnO-3 are observed to have closer dielectric constants due to their thicknesses. Table 1 describes the thickness of ZnO-2 as 0.079cm and ZnO-3 measures at 0.0682cm, which justifies that greater concentration of ZnO-NP yields higher dielectric constants, notwithstanding the dielectric permittivity's directly proportionality to thickness. However, upon optimizing the fabrication procedure for thickness, the similar properties between ZnO-2 and ZnO-3 can be mitigated.
Optional/General comments	This manuscript describes characteristics of PVDF/ZnO nanocomposite films for high-k capacitors. The results are interesting and the films have potential for application as practical capacitors. Therefore, I recommend that this manuscript is suitable for publication after the minor revision.	The authors have revised the manuscript as per the request of reviewer and are anticipated to be presented at its best technical practises. The changes in the manuscript are highlighted as yellow.