SCIENCEDOMAIN *international*
www.sciencedomain.org

SDI Review Form 1.6

Journal Name:	**Physical Science International Journal**
Manuscript Number:	**Ms_PSIJ_23070**
Title of the Manuscript:	**Donor-c Based Polymers for Application in Solar Cells**
Type of the Article	**Original research Articles**

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)

SCIENCEDOMAIN *international*
www.sciencedomain.org

SDI Review Form 1.6

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	**The authors did great job in the synthesis of the polymers, however the level of photo-characterization was not a match for the level of preparation and synthesis. The author/s has to seriously address the following concerns that represents unclear and may be wrong assumptions.** **1- The spectra (Solution or thin film UV-VIS) does not justify the claimed optical band gap they mentioned in the results. 1.64 and 1.903 eV cannot be deduced from the spectra in figures 1 or 2 .** **2- The author/s has to use Tauc plots to explore if a direct or indirect band gap structures do exist or not.** **3- The low band gap they mentioned indicates that the listed IP (HOMO) give very large electron affinity for both (approx. more than 3.5 eV for one and 3.45 eV . If these Electron affinity be suitable for the n –type is not suitable for p-type.** **4- They did not explain the CVs for these polymers , what is the meaning of the redox waves shown in the figures 3 and 4.**	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

Name:	**Kasem K. Kasem**
Department, University & Country	**School of Sciences, Indiana University kokomo, USA**