



SDI Review Form 1.6

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013 BJASt 3985
Title of the Manuscript:	Newly developed Epoxy-polyol and Epoxy-polyurethane from renewable resources

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	I regret to say that the work has no novelty. There are so many research papers on the topic. Simply changing the oil and repeating the chemistry does not add anything new to the research in field. Scientific research papers should contain originality, novelty, focussed objectives and proper explanation of results, that is well communicated to the readers. The manuscript lacks all these points. Therefore, it can not be accepted for publication. Moreover, The abstract mentions that "The focus of this work was to make preliminary studies into the synthesis of bio-based derived products, (epoxy-polyol and epoxy-polyurethanes) from <i>Synthesis and Performance of Novel Hydrogels Coatings for Implantable Glucose Sensors</i>". Does it mean that these Jatropha based coatings can be used as glucose sensors? If yes, where are the studies for the same?	Other oilseeds, soybean, cottonseed, castor oil, linseed, rapeseed etc had been functionalised to yield polymerizable polymers or as industrial feedstocks in the preparation of diversified industrial products. We therefore aimed at exploiting <i>Jatropha curcas</i> seed oils in these regards. A particular advantage of the <i>Jatropha curcas</i> oil(abundant in Nigeria) is that unlike the popular oilseeds, <i>Jatropha curcas</i> is not a food crop and its not competing with existing food crops for the production of industrial products. In Nigeria, vegetable oil dependent industries rely mostly on imported oils like linseed and soybean oil which are very expensive because the locally available oils like palm oil, palm kernel oil, groundnut and coconut oils are in short supply. Hence getting same or improved properties using <i>Jatropha curcas</i> will serve as a way of substituting the expensive oil with a more available underutilized seed oil.



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Minor REVISION comments		
Optional/General comments		