



SDI Review Form 1.6

Journal Name:	<u>International Research Journal of Pure and Applied Chemistry</u>
Manuscript Number:	2014_IRJPAC_12722
Title of the Manuscript:	FTIR STUDIES ON COMPOSITE BLENDS AND BIODEGRADABILITY PRODUCTS OF GUNA PROTEIN/CELLULOSE BASED BIOCOMPOSITES
Type of the Article	Original Research Article

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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.

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Compulsory</u> REVISION comments	The paper is very difficult to read. For example, a lot of figures (45 FTIR diagrams!) and the traces are almost invisible, preparation of the samples is practically not reported, no relevant interpretation of the results. Moreover, the frequency of the peaks are reported with two decimal points (for example, 1110.01cm^{-1} which was ascribed C-O stretch..). I don't know the precision of the instruments, but it seems exaggerated precise. I strongly suggest: - a more clear experimental part and in particular about the preparation of the samples and about the FTIR tests, for example, are single test or the traces are average of more tests on several samples? - reduction of the number of figures (only the more representative of each phenomenon) - a better interpretation of the effect of the components on the biodegradation.	The 45 FTIR DIAGRAMS as pointed out by the reviewer are not exaggerations, they are actual analysis carried out on the samples. The readings obtained were according to the ftir readings automatically traced and printed out by the the SHUMADZU BRAND. There was no exaggeration. EACH reading obtained represent a group of blends i.e 100/0 to 0/100 blends and each of these samples were subjected to various days of biodegradation studies. Therefore you can imagine the data that will generate. Each sample or blend is affected differently by the competing factors of moisture, population of microbes, elemental composition and the period of biodegradation studies which may differ.
<u>Optional/General</u> comments		