



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_13453
Title of the Manuscript:	Nano-structural characterizations: Elongation of graphene layers within solid hydrocarbons
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:

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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	<p>I recommend the publication of the manuscript The manuscript: Nano-structural characterizations: Elongation of graphene layers within solid hydrocarbons in the Physical Science International Journal after a minor revision. I made some suggestions to the Authors to improve the text. I noticed some mistakes like:</p> <p>1 - In the abstract: The phrase: ".....mid-IR band around the 2924 cm⁻¹.", will be better as: ".....mid-IR band at around 2924 cm⁻¹."</p> <p>2 - In Pag.3: The authors said in the Experimental section: "In the experimental setup as illustrated in Figure 1 of.....", but there is any Fig. 1 related to this. I will suggest to change it for: "In the experimental setup, chambers were used to produce HAC materials, according to Jäger et al. (2008)....".</p> <p>3 - "Results and Discussions", will be better as "Results and Discussion".</p> <p>4 - In this topic: The phrase: "...and Tauc Eg, of produced...", will be better as: ".....and Tauc gap energy, Eg, of produced.....".</p> <p>5 - It will be better to amplify Figure 1, as well as Figure 5. It is difficult to see particularities of these images.</p> <p>6 - The phrase "Figure 4: Tauc gap energy of some samples..... versus the laser power.", will be better as: "Figure 4: Tauc gap energy, E_g (eV), of some samples... versus the laser power, F₁ (10⁹ Wcm⁻²)."</p>	



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	<p>7 - The phrase: "Figure 7: Tauc gap energy as function of temperatures of S1 and S9 before and after heat treatments.", Will be better as: "Figure 7: Tauc gap energy, E_g (eV), as a function of temperatures of S1 and S9 samples before and after heat treatments."</p> <p>8 - In the Conclusions, the phrase: "On the other hand, these characteristics are reduced with heat treatments except the average length of the graphene layers, which increases with heating.", could be better as: "The characteristics are reduced as the heat treatments increase. The average length of the grapheme layer, however, increases."</p>	
<u>Optional/General</u> comments	<p>The manuscript Nano-structural characterizations: Elongation of graphene layers within solid hydrocarbons describes the Nano-structural characterization of solid hydrocarbons during their formation by the laser ablation technique before and after and the heat treatments. The research was developed in a methodological way and the results were well discussed in a scientific approach.</p>	

Reviewer Details:

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