



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
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.

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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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<p>I recommend the publication of the manuscript The manuscript: <b>Nano-structural characterizations: Elongation of graphene layers within solid hydrocarbons</b> in the <b>Physical Science International Journal</b> after a <b>minor revision</b>. 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<sup>-1</sup>.", will be better as: ".....mid-IR band at around 2924 cm<sup>-1</sup>."</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<sub>g</sub> (eV), of some samples... versus the laser power, F<sub>1</sub> (10<sup>9</sup> Wcm<sup>-2</sup>)."</p>	<p>I would like to thank the reviewer for his/her useful comments on my manuscript "<b>Nano-structural characterizations: Elongation of graphene layers within solid hydrocarbons</b>" in the <b>Physical Science International Journal</b>.</p> <p>All points have been considered and corrected, please find them in the <b>highlighted</b> text.</p> <p>For point 5, Figures 1&amp;5 have been amplified by a factor of 2 and now they are clearer.</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, <math>E_g</math> (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>	
<b><u>Optional/General</u></b> comments	<p>The manuscript <b>Nano-structural characterizations: Elongation of graphene layers within solid hydrocarbons</b> 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. So, I recommend the publication of this paper in the <b>Physical Science International Journal</b> after a <b>minor revision</b>. I made some suggestions to the Authors.</p>	