

Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_90692
Title of the Manuscript:	DENSITY FUNCTIONAL THEORY STUDY OF THE STRUCTURAL, ELECTRONIC, NON-LINEAR OPTICAL AND THERMODYNAMIC PROPERTIES OF POLY(3-HEXYLTHIOPHENE-2,5DIYL) IN GAS PHASE AND IN SOME SOLVENTS
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:

(<https://www.journalpsij.com/index.php/PSIJ/editorial-policy>)

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	Here is an article that we can consider of reasonable added value. In fact, the engineering of organic materials based on conjugated polymers has shown to be very promising in several applications, particularly in research related to increasing the efficiency of photovoltaic systems. However, much is repeated in the texts of applied physics as if everyone had full mastery of the concepts. As a theoretical physicist, I believe that the work could be a little more precise regarding thermodynamics, especially with respect to the concept of entropy in the context addressed (including the need for its consideration in this context!), since this is one of the most misunderstood concepts in physics. From there, it would be interesting to place greater emphasis on applications in solar thermal technology (thinking about supporting implementations in renewable energies).	
Minor REVISION comments	Regarding the elaboration of the text, some things could be improved. The construction, "For example, [10] carried out the study of electronic properties..." is bad for the reader and should be replaced by something like "For example, in reference [10] it was carried out the study of electronic properties...". Other examples could be given elsewhere, so a general review of the text is worthwhile.	
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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