



SDI Review Form 1.6

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| Journal Name: | International Research Journal of Pure and Applied Chemistry |
| Manuscript Number: | Ms_IRJPAC_27380 |
| Title of the Manuscript: | A Theoretical Study of the Cycloaddition Reactions between 3-nitrofurans and several nucleophilic dienes. Reaction Mechanisms. A Discussion of a Solvation Model. |
| 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:

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



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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) |
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| <u>Compulsory</u> REVISION comments | <p>-Insert the references along the text.</p> <p>-Define the DFT descriptors (equations, concepts, etc).</p> <p>-Take in account the following reference:</p> <p>Alejandro Morales-Bayuelo, Ricardo Vivas-Reyes. <i>Understanding the Polar Character Trend in a Series of Diels-Alder Reactions Using Molecular Quantum Similarity and Chemical Reactivity Descriptors. Journal of Quantum Chemistry. 2014, Article ID 239845, 19 pages.</i></p> <p>-Insert more discussions. Improve the introduction.</p> | <p>-The references were inserted along the text</p> <p>-The DFT descriptors were defined and the equations showed</p> <p>- The reference indicated (A. Morales-Bayuelo et al) was included in the text</p> <p>- The Introduction and the Discussion were improved</p> |
| <u>Minor</u> REVISION comments | <p>-Place a most appropriate title.</p> | The title was changed |
| <u>Optional/General</u> comments | | |