



**SDI Review Form 1.6**

Journal Name:	<a href="#">International Research Journal of Pure and Applied Chemistry</a>
Manuscript Number:	<b>Ms_IRJPAC_27385</b>
Title of the Manuscript:	<b>Solvent Effects on the Cleavage of Emodin's Non H-bonded O-H Link: A Theoretical Study</b>
Type of the Article	<b>Original Research Article</b>

**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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<p>Page 1, Line 6, Abstract: Awkward wording of the sentence: "Whereas literature survey indicates that solvation modifies the antioxidant mechanism, our results have shown the contrary for emodin as same mechanism is adopted as we leave the gas to the solvent phase." Recommend rewording: "Our results show that, contrary to available research which indicates that solvation modifies the antioxidant mechanism, emodin's antioxidant mechanism remains unaltered throughout transition from the gas to the solvent phase."</p> <p>Page 1, Line 32: Sentence structure is awkward. As reads: "At industrial level, it plays the role of..." Recommend changing to read: "On an industrial level, it plays a role in..."</p> <p>Page 2, Lines 48-49: Run-on sentence. As reads: "The main focus of this work is on solvent effects especially as most biological and chemical processes take place in solution and since solvation play a determinant role on the mechanism of certain processes." Recommend correcting to read: "Because most biological and chemical processes take place in solution, the main focus of this work is on solvent effects. Since solvation can play a critical role on the mechanism of certain processes, examination of solvation's effect on the antioxidant mechanism of emodin is warranted."</p> <p>Page 2, Line 55: Comma splice. Insert a comma between "...methanol, acetonitrile..."</p> <p>Page 6, Lines 147,149, and Page 7, Lines 195,198,201: Special characters have been inserted that are not the proper font and size. Recommend correcting.</p> <p>Page 10, Table 7. Fonts, font size and spacing issues need to be corrected</p>	
<b>Optional/General</b> comments		

**Reviewer Details:**

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