



**SDI Review Form 1.6**

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|--------------------------|-------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">American Chemical Science Journal</a>                                   |
| Manuscript Number:       | 2013_ACSj_7662                                                                      |
| Title of the Manuscript: | Modeling of advanced photo oxidation of alizarin red s dye using TiO2 as synsityzer |
| Type of the 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**

|                                            | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Author's comment</b> (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><u>Compulsory</u></b> REVISION comments | <ol style="list-style-type: none"> <li>1. There is a difference between adsorbent and photocatalyst. In this work, the authors need to identify clearly is <math>\text{TiO}_2</math> being used as an adsorbent or photocatalyst.</li> <li>2. The reason for selecting this dye should be included. Is it due to health concern or because of huge production in market?</li> <li>3. The usage of the capital letters and subscript should be thoroughly checked, there are quite a number of mistakes throughout the manuscript.</li> <li>4. The same applies for the numbering of the figures. Please check.</li> <li>5. The authors should explain the reason for selecting certain parameters and the range involved in this research.</li> <li>6. More detailed discussion should be included to improve the scientific content of the paper.</li> <li>7. The submitted work need to be rewritten and thoroughly check as there are quite a number of major English language deficits.</li> </ol> | <ol style="list-style-type: none"> <li>1. <math>\text{TiO}_2</math> as photocatalyst .</li> <li>2. The derivatives of this aromatic compounds, with halo, nitro, and sulpho grouping in their structures most of these are toxic and carcinogenic in nature .</li> <li>3. Checked.</li> <li>4. Checked.</li> <li>5. They are natural factors ,which effect the reaction.....</li> <li>6. The paper takes along space .....</li> <li>7. Checked.</li> </ol> |
| <b><u>Minor</u></b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b><u>Optional/General</u></b> comments    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |