



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#"><u>International Research Journal of Pure and Applied Chemistry</u></a>                                                                         |
| Manuscript Number:       | 2014_IRJPAC_11517                                                                                                                                           |
| Title of the Manuscript: | REDOX KINETICS AND MECHANISM OF THE OXIDATION OF THIOUREA BY DIAQUOTETRAKIS(2,2'-BIPYRIDINE) - $\mu$ - OXODIRUTHENIUM (III) ION, IN AQUEOUS PERCHLORIC ACID |
| 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)                                                                                                                                                                                                                                                                                    |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Minor</b> REVISION comments      |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Optional/General</b> comments    | <ol style="list-style-type: none"> <li>1. Authors do not mention the necessity of calculation of both first (<math>k_1</math>) and second order <math>k_2</math>.</li> <li>2. Paper accepted for the publication</li> </ol> | Calculation of the first order rate constant ( $k_1$ ) is very important because it is with that constant that the second order rate constant ( $k_2$ ) for the various concentrations of the reductant are calculated. On the other hand, calculation of the second order rate constant is of necessity to compare the constants for the various concentrations of the reductant. Closeness of the constants to each would suggest the accuracy of our methods. |