



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2014_IRJPAC_12428
Title of the Manuscript:	KINETICS AND MECHANISM OF THE REACTION OF MALACHITE GREEN AND DITHIONITE ION
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>)



SDI Review Form 1.6

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)
<u>Compulsory</u> REVISION comments	The present manuscript Number: 2014_IRJPAC_12428, KINETICS AND MECHANISM OF THE REACTION OF MALACHITE GREEN AND DITHIONITE ION is accepted with minor Revisions. The Author's must fulfil the following clarification.	
<u>Minor</u> REVISION comments	The Author must fulfil the following clarifications 1. In the manuscript line 221 to 224 the given figure 5 is repeated two times, strike out the one which is not needed. 2. To improve the novelty of the work the authors give more supportive evidences like spectral analysis etc. To the formed product analysis. 3. The author must express is there any electrochemical aspect present in the present redox reactions. 4. In the present work for SO_4^{2-} and NO_3^- the rate constant decreases and for Mg^{2+} and NH_4^+ the rate constant increases, the author must justify this trend by means of scientific evidences. 5. Similarly the reaction rate increases with increase in ionic strength and dielectric constant and decreases with decrease in dielectric constant. More clarification is given for this statement. The authors experimental data's are more valuable and the trends of the kinetic study can explain with more scientific evidences.	



SDI Review Form 1.6

<u>Optional/General</u> comments	The present study is more interesting and explains the kinetics of the oxidation of malachite green, MG ⁺ , by dithionite ions, S ₂ O ₄ ²⁻ has been studied spectrophotometrically in an aqueous acid free medium. The Author explains the kinetic aspects by means of his experimental data. In the future work the author 's study the percentage conversion of the malachite green by the oxidant.	
---	---	--

Reviewer Details:

Name:	P. Krishnamoorthy
Department, University & Country	Department of Chemistry, Dr. Ambedkar Government Arts College, Chennai 600 039, India

Note: Modification was done in this document