



SDI Review Form 1.6

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_44176
Title of the Manuscript:	Oxidation of Catechol and Hydroquinone in aqueous media by heterogeneous photocatalysis using thin layer of TiO2 P25
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>)

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)
Compulsory REVISION comments		
Minor REVISION comments	1. Language should be carefully corrected. Such as: In abstract, "Catechol and hydroquinone, two phenolic compounds have been studied" Add a comma between "compound" and "have". Remove: "identified in the oxidation of the two pollutants". In introduction, paragraph 3, "initial pollutant concentration and the kinetic", give a comma between "concentration" and "and". Section 2, paragraph 1, in "with 5°C/min as speed for 1 h", add a word "heating". Improve sentence: "Catechol and hydroquinone removal by photooxidation was carried out in a reactor as reported by [11]". Section 3, paragraph 1, add a comma between "for catecho" and "whereas 10.3%". add word "the" before "photocatalysis", "adsorption", and "photolysis" in "The oxidation by photocatalysis is more efficient than adsorption and photolysis in the condition of our experiment." Add a "s" after "to catechol and hydroquinone removal". Section 3.3, remove "of" in "...towards mineralization of [15]". Similarly, "... (M. A. Henderson 2011) [7] "; "to the method of [10]"; "as reported by [11]"; "[23] reported that..."; "obtained by [11] "; "M. [14] on triphenylmethane dye photocatalytic degradation, [15] on azo dyes photocatalytic degradation and [11] on phenol removal by photocatalysis", "such as [3]; [19]. For exemple [20]", are all incorrect usage. 2. In Fig. 3, figure caption of Fig. 6, and text, replace "Free pH" with "natural pH". In Fig. 1-5, 3. move "(a) Catechol" and "(b) Hydroquinone" into the figures 4. In Fig. 6, move "a", "b", and "c" to a same corner of three figures. 5. In Fig. 1, move the title of y axis to center. 6. In Fig. 5, move the title of y axis apart from the axis appropriately.	We would like to thank you very much for your time spent to review our manuscript. Please you will find correction recommended in the revised manuscript (highlighted in yellow)
Optional/General comments		



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PART 2:

	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)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	