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:

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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)*
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 photoxidation 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 cpation 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.	
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?	*(If yes, Kindly please write down the ethical issues here in details)*	

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