



SDI Review Form 1.6

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_43499
Title of the Manuscript:	Adsorption of 2,4-dinitrophenol on activated carbon prepared from cotton cakes: non-linear isotherm modeling
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>)

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	- The abstract presented: is very long, contains elements that already been detailed in the discussion part. The author must rework the abstract entirely. - In the preparation of activated carbon section, add a reference? - In the characterization of activated carbons part: give the technical description of the material used. - Give the protocol and /or reference that define the properties: (pH_{PZC}, pH, Bulk density, moisture content, ash content, volatile matter, solids content and matter soluble in water) - Give the curve that determines the pH of the zero point charge (ZPC)? - Add the Iodine number in the characterization part of activated carbons and give the protocol with reference. - The author must justify the impregnation ratio of the activating agents (KOH and H₃PO₄) - The author used iodine number as a quick test for the surface area of activated carbon. What is the percentage of eligible error compared to the BET method? - The broad band between 3200 cm⁻¹ to 3400 cm⁻¹ implies the presence of hydrogen's bands and not a free O-H???? (Figure 1) - Give the protocol and the reference of the Boehm's titration. Join it in the characterization part? - Absence of Figure 2. Why??? - Correct the format of references? - Some spelling errors should be corrected: 2,4-Diphenol replace with 2,4-dinitrophenol	- Abstract is rework - We cannot add a reference because it is a new method - The technical description, protocol and /or reference that define the properties show in the manuscript revised - The curve that determines the pH of the zero point charge show in the manuscript revised - The broad band between 3200 cm⁻¹ to 3400 cm⁻¹ implies the presence of a free O-H for raw material - The format of references is correct - Figure 1 replace with Figure 3 2,4-diphenol replace with 2,4-dinitrophenol
Minor REVISION comments		



SDI Review Form 1.6

Optional/General comments

As per the guideline of editorial office we have followed VANCOUVER reference style for our paper.

Kindly see the following link:

<http://sciencedomain.org/archives/20>