



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	Ms_ACSJ_22771
Title of the Manuscript:	Brazilian Kaolin Wastes: Synthesis of Zeolite P at Low-Temperature
Type of the Article	Original research Articles

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.

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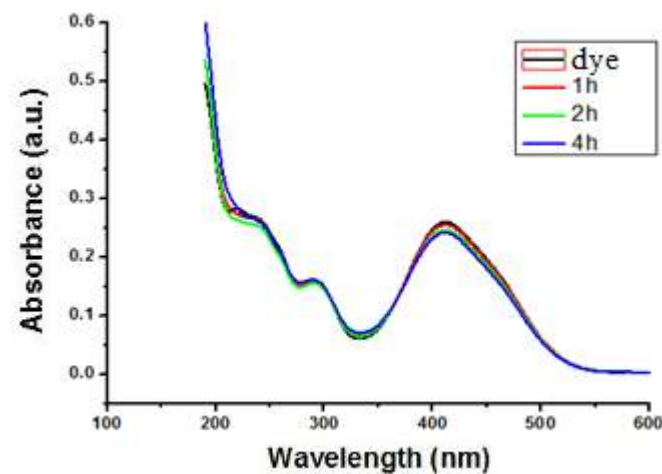
PART 1: Review Comments

	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)
<u>Compulsory</u> REVISION comments	1. The authors indicate that zeolite P is a catalyst for the photocatalytic reaction of RNL dye in the Abstract and in the Conclusion. Those statements are inconsistent with the comment they make in the Results and Discussion section, lines 323 – 325. In those lines they state that the decrease in colour is caused by adsorption of the RNL dye unto the zeolite P. If their comment in lines 323-325 is correct, perhaps they should state that zeolite P is an adsorbent rather than a catalyst in the Conclusion and Abstract.	We was made a comparison of discoloration due to adsorption, line 326.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	2. Figure 8 compares the product from the photoreactor when zeolite P was present in the reactor to the product obtained when the reactor only contained the RNL dye. 3. It would be useful to have a third curve showing the UV/vis spectra for the RNL dye that had not been processed in the reactor. 4. It would be useful to have a fourth curve for the product obtained with zeolite P was in the reactor when the light in the reactor was turned off. That would indicate the extent of adsorption that was not related to the photo aspect of the reactor. It might be possible that the photo phenomenon has no affect and that the only effect is adsorption on the zeolite P. 5. I think the paper presents XRD evidence to support the conclusion that zeolite P was	2. Yes . This is normal, so you can observe the zeolite effect. 3. In this Figure , the test called " blank" , only with UV light without catalyst , it was observed that there was discoloration of the dye as shown by the band at 411 nm , which was reduced absorbance time of 2 and 4 h the reduction of bands at 238 and 292 nm region was not observed



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obtained from kaolinite waste. I think that is the important part of the paper. The reaction data in Figure 8 is much less important. I think the data is interesting and that the paper merits publication.



4. this test was made , and the result is seventeen percent reduction in color.

5. We agree with you