

Review Form 1.6

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_76751
Title of the Manuscript:	Photodegradation Efficiency of MIL-53Al on Azo Dyes
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	<p>I really appreciate the choice of the project; the removal of colorant, especially the Azo dyes, is a very interesting problem for the environment. The aim of this work is clear but the inside need a lot of improvement. The manuscript aims the removal of azoique dyes (Yellow 145 and Blue 194) using so called metal-organic framework (MIL-53Al).</p> <p>The study found are not clear.</p> <p>Moreover, the title "Photodegradation Efficiency of MIL-53Al on Azo Dyes" isn't relevant and doesn't match with the experimental results.</p> <p>After reviewing your paper I feel that it need much revision to be suitable for publication.</p> <p>In the following some detailed remarks to the text:</p> <ol style="list-style-type: none"> 1. The authors use the term "photodegradation" in the title and in the text, while the process discussed in this research is adsorption. 2. How you can explain the ecological process used and you use a lot of product in synthesis of "MIL-53Al" and the treatment process. 3. The uses of adsorption isotherm are really helpful in this study. 4. The figures 1-3 in the introduction must be in the materials and methods part. I suggest remove from" This research is graphically presented below.." 5. Also the title of the figures should be reviewed; for example "Figure 2: A figure showing the structure of Color Index Yellow 145" can be replaced for example by "Figure 2: chemical structure of Color Index Yellow 145. 6. In "2.1 Materials and Methods" add the marque of DRX and FTIR apparatus. 7. In "2.2 Synthesis of MIL-53(Al)" the reference Yan, J., Jiang, S., Ji, S. et al. (2015) must be corrected we use just x Yan et al., (2015). 8. The figure 4 show the amorphous character of MIL-53Al but it quality is not clear. The same for figures 9, 10, 11 and 12. 9. The unit should be reviewed: <ul style="list-style-type: none"> - 1,400–1,700 cm⁻¹ not 1,400–1,700 cm-1 - 910 - 665cm⁻¹ not 910 - 665cm-1 - 2.447*10-3,and 3.23*10-4..... - (K1min-1) 	
Minor REVISION comments		

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Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	<i>Monsieur Belbahloul Mounir</i>
Department, University & Country	<i>University Hassan I, Morocco</i>