

TURKISH JOURNAL OF CHEMISTRY, KIM-1807-6

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Tue 7/3/2018 3:59 PM

To:Dr.Eng. Leny Yuliati, S.Si., M.Eng. <leny.yuliati@machung.ac.id>;

Dear LENY YULIATI,

Your manuscript has been received and is currently being processed.

We thank you for your interest in our journal.

Yours sincerely,

Manuscript Title: Synthesis of highly active crystalline carbon nitride prepared in various salt melts for photocatalytic degradation of phenol

Manuscript Code Number: KIM-1807-6

YÜCEL UYAR

Journal Administrator

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TURKISH JOURNAL OF CHEMISTRY, KIM-1807-6

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Fri 8/17/2018 4:05 AM

To: Dr. Eng. Leny Yuliaty, S.Si., M.Eng. <leny.yuliaty@machung.ac.id>;

Dear Dr. Leny YULIATI,

We have received the reviews of your manuscript and they are enclosed with this letter. The reviewers have raised points that require significant consideration and revision of the manuscript before it is suitable for publication. However, with adequate response and revision along with the re-evaluation of your revised manuscript by the reviewers, I am ready to reconsider my decision on the manuscript. This revision should address the reviewers' comments and include a point-by-point response to the concerns.

Please check over the referee evaluation(s) of your manuscript via our online system. You are requested to make corrections in accordance with the evaluation(s) and to respond to any points you disagree with, stating your reasons within 30 days.

Yours sincerely,

Assoc. Prof. Onder Metin
Editor

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Additional Notes:

Reviewers' Comments:

Reviewer1: Manuscript Code: KIM-1807-6

This research article mainly introduced " Synthesis of highly active crystalline carbon nitride prepared in various salt melts for photocatalytic degradation of phenol". The work is good up to some extent but may be improved by the inclusion of the following comments:

- * Novelty of the work is established. Explain in the introduction section.
 - * Add one paragraph in the introduction on the importance of various advanced oxidation processes in the environmental application with citation of following refs:
 - Ultrasonics Sonochemistry, Volume 40, Part A, January 2018, Pages 841-852.
 - Ultrasonics Sonochemistry, Volume 48, November 2018, Pages 329-339.
 - Process Safety and Environmental Protection, Volume 116, May 2018, Pages 365-376.
 - * Page 2, line 15. ? Photocatalytic reactions under visible light irradiation? update as following ?. Photocatalytic reactions under "ultraviolet" and "visible light" irradiation by consideration of the following reference:
 - Topics in Catalysis, September 2016, Volume 59, Issue 15-16, pp 1305-1318.
 - Journal of Magnetism and Magnetic Materials, Volume 456, 15 June 2018, Pages 400-412.
 - * Conclusion section should be improved. Additional discussion is required as it is not well detailed.
 - * It is better to include the physical-chemical properties in tables (XRD particle size, BET surface area, etc.). The authors should give clear conclusions on how the preparation conditions impact the physical-chemical properties of the samples.
 - * There is no information about pH of the solution. Why does the impact of pH of the solution not consider?
- The section 3.4 of the article is poor. The authors should be explained the calculation of activity (%).
- * The results of the authors compare with others pure graphitic carbon nitride (g-C₃N₄) and also hybrid materials in the literature.

Reviewer2: This paper entitled "Synthesis of highly active crystalline carbon nitride prepared in various salt melts for photocatalytic degradation of phenol" reports crystalline CN synthesis into some melting salts and its photocatalytic activity against phenol .

My criticisms and suggestions are listed below;

1. What is the chemical formula of carbon nitride? Why did not the authors use the C₃N₄ notation?
2. What are the advantages of the carbon nitride compared to TiO₂, ZnO or the other semiconductor metal oxide and their composites? It does not look like having a good photocatalytic property?
3. I think that this CN structure which was synthesized in presence of KCl-LiCl salt melt have not highly crystalline. The authors should be compared with g-C₃N₄ JPDFS card line and they should be concluded this section.
4. Why did the optical properties of CN increase in presence of melt salts?
5. Why did BET surface area of the CN change according to the kind of melt salts? What did their micro/mezzo pore size distribution and volume distribution?
6. If the CN compound or particle have a ZnO crystalline phase, we have to see a signal on XRD pattern. So, the authors should be explained this situation.
7. The photocatalytic degradation efficiency is very low. The synthesis method is not easy and cheap. So, it does not look like a good catalyst.
8. The authors should be corrected the y axis of graphics.

TURKISH JOURNAL OF CHEMISTRY, KIM-1807-6

bmys-info@ulak.tubitak.gov.tr

Wed 10/3/2018 3:07 AM

To:Dr.Eng. Leny Yuliati, S.Si., M.Eng. <leny.yuliati@machung.ac.id>;

Dear LENY YULIATI,

We are pleased to inform you that your manuscript submitted to the TURKISH JOURNAL OF CHEMISTRY has been accepted for publication.

Yours sincerely,

AHMET GÜL
Editor-in-Chief

Manuscript Title: Synthesis of highly active crystalline carbon nitride prepared in various salt melts for photocatalytic degradation of phenol

Decision Report: Dear Dr. LENY YULIATI,

Thanks for your revised manuscript submission. I have received the referees' reports on your revised manuscript. I am very pleased to inform you that I am accepting your paper for publication in Turkish Journal of Chemistry. If there are any reviewer comments, these will be presented below.

Thanks for choosing Turkish Journal of Chemistry as a platform for your research.

Sincerely yours,

Assoc. Prof. Dr. Onder Metin

Editor

TURKISH JOURNAL OF CHEMISTRY, KIM-1807-6

bmys-info@ulak.tubitak.gov.tr

Wed 1/9/2019 7:33 PM

To: Dr. Eng. Leny Yuliaty, S.Si., M.Eng. <leny.yuliaty@machung.ac.id>;

Dear LENY YULIATI,

You can access the galley proof of your paper (in pdf form) at the web address given below. Please upload your corrections to our online system in one of the following ways (typesetting and editing errors will be corrected; authors are not permitted to make changes or corrections that constitute departures from the paper that was accepted by the editor):

1. Make changes on the pdf file electronically (making sure that the changes are visible) and upload it,
2. Print out the pdf file of your manuscript, make the changes on paper in pen, scan it (in pdf or jpeg format), and then upload it.

Please note that if we do not hear from you within 15 days regarding whether corrections are necessary or not, your submission will be cancelled.

Yours sincerely,

AHMET GÜL
Editor-in-Chief

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