



Hasanudin Hasanudin <hasanudin@mipa.unsri.ac.id>

[CH] Article Review Request: 18209

1 pesan

Benjámín Gyarmati <softmatter@mail.bme.hu>
Kepada: Hasanudin Hasanudin <hasanudin@mipa.unsri.ac.id>

23 Maret 2021 pukul 21.02

Dear Hasanudin Hasanudin,

Periodica Polytechnica Chemical Engineering is the scientific journal of Budapest University of Technology and Economics, Faculty of Chemical Technology and Biotechnology, is indexed and abstracted in Web of Science, SCOPUS, SciFinder, Google Scholar.

I am glad to inform you that Periodica Polytechnica Chemical Engineering was able to keep its impact factor at 1.257 (2019) and improved its Scimago rating to Q2. Please, help us to enhance the reputation of our journal.

I believe that you would serve as an excellent reviewer of the manuscript, "Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process", which has been submitted to Periodica Polytechnica Chemical Engineering. The submission's abstract is inserted below, and I hope that you will consider undertaking this important task for us.

Please log into the journal web site by 2021-03-28 to indicate whether you will undertake the review or not, as well as to access the submission and to record your review and recommendation. Should you be not able to do the review, please press "Decline review" to allow us to find other reviewers. In case of declining the review I would really appreciate if you could provide another appropriate expert in the scientific field of the paper (with name, email address, affiliation), who is able make the review.

The review itself is due 2021-04-13.

Submission URL: <https://pp.bme.hu/ch/reviewer/submission?submissionId=18209&reviewId=13128&key=tnLY54tW>

Thank you for considering this request.

Benjámín Gyarmati
Budapest University of Technology and Economics
softmatter@mail.bme.hu

"Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process"

Abstract

The synthesis of the nickel-loaded sulfated zirconia catalyst (Ni-SZ) and its application for the hydrocracking process have been studied. This work has been conducted to determine the activity and selectivity from various Ni concentration loaded on sulfated zirconia (SZ) in the hydrocracking of used palm cooking oil. The synthesis technique was preceded by sulfation of ZrO₂ through incipient wetness impregnation method using H₂SO₄ solution and then continued with the impregnation of Ni via hydrothermal method employing NiSO₄·6H₂O precursor salt. The hydrocracking process was performed in a fix-bed microreactor at the optimum temperature (350 °C). The SZ loaded with 3 wt% of Ni (Ni-SZ 3) successfully produced the highest liquid product (44.25 wt%) and selectivity on gasoline (100%). The excellent performance of Ni-SZ 3 due to it has high acidity value, specific surface area, and Ni content.

Periodica Polytechnica Chemical Engineering
<https://pp.bme.hu/ch>



Hasanudin Hasanudin <hasanudin@mipa.unsri.ac.id>

[CH] Submission Review Reminder

2 pesan

Benjámín Gyarmati <softmatter@mail.bme.hu>
Kepada: Hasanudin Hasanudin <hasanudin@mipa.unsri.ac.id>

14 April 2021 pukul 15.18

Dear Hasanudin Hasanudin,

we are sorry to trouble you, but the quick and appropriate peer review process is highly important matter for both the editors and authors of Periodica Polytechnica Chemical Engineering. Previously, we invited you to review the manuscript entitled "Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process", for Periodica Polytechnica Chemical Engineering, with the deadline of 2021-04-13, but there has been no reply.

Submission URL: <https://pp.bme.hu/ch/reviewer/submission?submissionId=18209&reviewId=13128&key=gDWd3cwj>

We would be very grateful if you could confirm your ability to complete this vital contribution to the work of the journal.

If you do not have your username and password for the journal's web site, you can use this link to reset your password (which will then be emailed to you along with your username): <https://pp.bme.hu/ch/login/resetPassword/hasanudin?confirm=9f633c73beffcc00ebb2b2a719d90448c5dce1c3073603d9ad75b12ae6805666%3A1618395535>

We are looking forward to hearing from you as soon as possible.

Sincerely,
Benjámín Gyarmati
Budapest University of Technology and Economics
softmatter@mail.bme.hu

Periodica Polytechnica Chemical Engineering
<https://pp.bme.hu/ch>

Hasanudin Hasanudin <hasanudin@mipa.unsri.ac.id>
Kepada: Benjámín Gyarmati <softmatter@mail.bme.hu>

15 April 2021 pukul 11.06

Dear Benjámín Gyarmati,
I apologize for being late in providing feedback on the results of reviewing the manuscript entitled "Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process" please give me time until 2021-04-20 to complete the review.
Thank you for your kindness.
Sincerely,
Hasanudin Hasanudin

[Kutipan teks disembunyikan]

Review: Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process

Submissions

1. Request
2. Guidelines
3. Download & Review
4. Completion

Request for Review

You have been selected as a potential reviewer of the following submission. Below is an overview of the submission, as well as the timeline for this review. We hope that you are able to participate.

Article Title

Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process

Abstract

The synthesis of the nickel-loaded sulfated zirconia catalyst (Ni-SZ) and its application for the hydrocracking process have been carried out. This work has been conducted to determine the activity and selectivity from various Ni concentrations loaded on sulfated zirconia (SZ) in the hydrocracking of used palm cooking oil. The synthesis technique was preceded by sulfation of ZrO_2 through incipient wetness impregnation method using H_2SO_4 solution and then continued with the impregnation of Ni via hydrothermal method employing $NiSO_4 \cdot 6H_2O$ precursor salt. The hydrocracking process was performed in a fix-bed microreactor at the optimum temperature (350 °C). The SZ loaded with 3 wt% of Ni (Ni-SZ 3) successfully produced the highest liquid product (44.25 wt%) and selectivity on gasoline (100 %). Besides, the gasoline fraction in the liquid product was dominated by unwanted aromatics compounds. The excellent performance of Ni-SZ 3 due to it has high acidity value, specific surface area, and Ni content.

Review Files

[Q Search](#)

 96543-1	Article Text PDF, Full Manuscript.pdf	March 23, 2021	Article Text PDF
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Review Schedule

2021-03-23

Editor's Request

2021-03-28

Response Due Date

2021-04-13

Review Due Date[About Due Dates](#)[Save and continue](#)

Review: *Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process*

Submissions

[1. Request](#)[2. Guidelines](#)[3. Download & Review](#)[4. Completion](#)

Review Files

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96543-1

[Article Text PDF, Full Manuscript.pdf](#)March
23,
2021

Article Text PDF

Review Form

ContentOriginality/novelty *

Average



Correctness of assertions/soundness of conclusions and interpretation *

Low



Appropriateness of the approach/adequacy of experimental techniques *

Low



Average

Timeliness

Average

Usefulness

Average

Presentation Title (compact, informative) *

Average

Abstract (compact, concise, sufficient) *

Average

Style (direct, clear, understandable, concise) *

Average

Language quality (grammar, spelling, punctuation) *

Average

References and citations (appropriate, up-to-date, sufficient)

Good

Average

Comments to author

Reviewer Comments:

1. In the introduction, it should be explained that Nickel-loaded Sulfated Zirconia Catalyst are Converting Used Palm Cooking Oil to Gasoline, then proceed with the hydrocracking process to produce biogasoline.
2. The author must explain the characteristics of used cooking oil used for the hydrocracking process.
3. GC data for used oil cooking feed is inconclusive because there are only three peaks. Very different from fresh cooking oil (GC data should be used cooking oil feed has more complicated and many peaks).

Comments to editor

Thank you for giving my confidence to review this article. I am ready to welcome you back when you give me a chance to review.

Upload

Upload files you would like the editor and/or author to consult, including revised versions of the original review file(s).

Reviewer Files

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No Files

Name	From	Last Reply	Replies	Closed
<i>No Items</i>				

Recommendation

Select a recommendation and submit the review to complete the process. You must enter a review or upload a file before selecting a recommendation.

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* Denotes required field

Review: Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process

Submissions

1. Request
2. Guidelines
3. Download & Review
4. Completion

Review Submitted

Thank you for completing the review of this submission. Your review has been submitted successfully. We appreciate your contribution to the quality of the work that we publish; the editor may contact you again for more information if needed.

Review Discussions

[Add discussion](#)

Name	From	Last Reply	Replies	Closed
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No Items



Hasanudin Hasanudin <hasanudin@mipa.unsri.ac.id>

[CH] Article Review Acknowledgement: 18209

1 pesan

Benjámín Gyarmati <softmatter@mail.bme.hu>
Kepada: Hasanudin Hasanudin <hasanudin@mipa.unsri.ac.id>

12 Mei 2021 pukul 21.42

Dear Hasanudin Hasanudin,

Thank you for completing the review of the submission, "Synthesis of Nickel-loaded Sulfated Zirconia Catalyst and Its Application for Converting Used Palm Cooking Oil to Gasoline via Hydrocracking Process," for Periodica Polytechnica Chemical Engineering. We appreciate your contribution to the quality of the work that we publish.

Sincerely Yours,

Benjámín Gyarmati
Budapest University of Technology and Economics
softmatter@mail.bme.hu

Periodica Polytechnica Chemical Engineering
<https://pp.bme.hu/ch>