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The majestic blue whale, the Goliath of the sea, certainly stands alone within the animal kingdom for its adaptations beyond its massive size. At 30 metres (98 ft) in length and 190 tonnes (210 short tons) or more in weight, it is the largest existing animal and the heaviest that has ever existed. Despite their incomparable aggressive hunting...

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Submitting manuscript

- Carefully check the manuscript
- Follow the Guide for Authors

<https://www.elsevier.com/journals/computers-and-chemical-engineering/0098-1354/guide-for-authors#3700>

Letter to editor

August 12, 2016

Dear the editor of Chemical Engineering Journal,

I would like to submit a research article entitled "H₂ production from sorption enhanced steam reforming of biogas using multifunctional catalysts of Ni over Zr-, Ce- and La-modified CaO sorbents" for your consideration for inclusion in Chemical Engineering Journal. The work is original and unpublished and is not being considered for publication elsewhere.

If you have any query, please do not hesitate to contact me. I am looking forward to hearing from you.

Sincerely yours,

Suggestion of potential reviewers (also a member of the Editorial Board)



Do suggest:

- Established investigators with broad knowledge of field
- Technical expertise to evaluate your experimental approach

Don't suggest:

- Obvious conflicts of interests (researchers from the same institution, close collaborators, recent co-authors)
- Someone you acknowledge in the manuscript - provided reagents or a critique of the manuscript

Modified from power point of Ushma S. Neill, Executive Editor of The Journal of Clinical Investigation

Opposed reviewers

- Valid reasons for keeping sensitive results out of competitors hands
- Be aware of Conflicts of Interest, financial or otherwise
- Know your assassins – individuals with a known bias

Don't exclude:

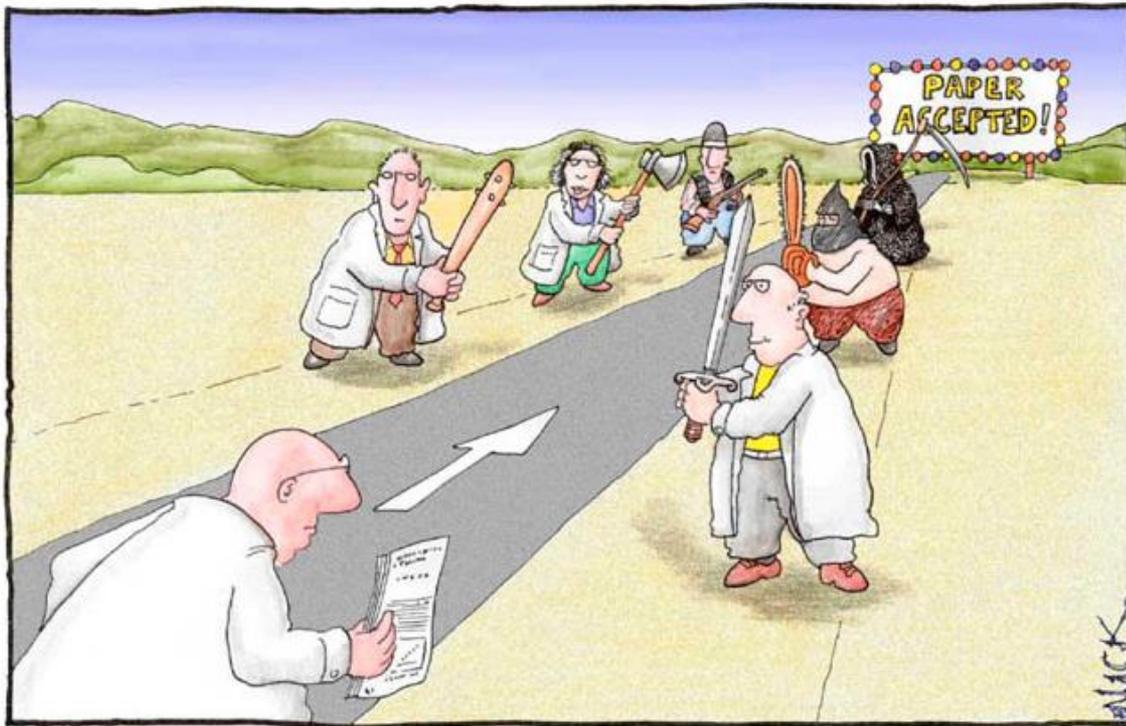
- More than 2-3 people: you will appear paranoid
- Entire institutions
- Remember it is peer review

Modified from power point of Ushma S. Neill, Executive Editor of The Journal of Clinical Investigation

Outline

- Current status of Thailand
- Reasons for publishing your works
- Journal selection
- Preparing good manuscript
 - How to prepare a manuscript?
 - Important concerns
 - Selection of reviewers
- **Peer reviewing**
- Revising manuscript
- Summary
- Acknowledgement

Peer reviewing



Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'

Source: Ushma S. Neill, Executive Editor of The Journal of Clinical Investigation

Guideline for reviewers

Elsevier > Reviewers > Conducting a review

ELSEVIER

How to conduct a review

Before you accept or decline an invitation to review, consider the following questions:

- Does the article match your **area of expertise**? Only accept if you feel you can provide a high quality review.
- Do you have a potential **conflict of interest**? Disclose this to the editor when you respond.
- Do you have **time**? Reviewing can be a lot of work – before you commit, make sure you can meet the deadline.
- Finally: Educate yourself on the peer review process through the free [Elsevier Publishing Campus](#) ↗

Respond to the invitation as soon as you can – delay in your decision slows down the review process, whether you agree to review or not. If you decline the invitation, provide suggestions for alternative reviewers.

<https://www.elsevier.com/reviewers/how-to-conduct-a-review>

Before you start

If you accept, you must treat the materials you receive as confidential documents. This means you can't share them with anyone without prior authorization from the editor. Since peer review is confidential, you also must not share information about the review with anyone without permission from the editors and authors.

First read the article and then take a break from it, giving you time to think. Consider the article from your own perspective. When you sit down to write the review, make sure you know what the journal is looking for, and have a copy of any specific reviewing criteria you need to consider.



Your review report

Your review will help the editor decide whether or not to publish the article. Giving your overall opinion and general observations of the article is essential. Your comments should be courteous and constructive, and should not include any personal remarks or personal details including your name.

Providing insight into any deficiencies is important. You should explain and support your judgement so that both editors and authors are able to fully understand the reasoning behind your comments. You should indicate whether your comments are your own opinion or are reflected by the data.

Checklist

- Summarize the article in a short paragraph. This shows the editor you have read and understood the research.
- Give your main impressions of the article, including whether it is novel and interesting, whether it has a sufficient impact and adds to the knowledge base.
- Point out any journal-specific points – does it adhere to the journal’s standards?
- If you suspect plagiarism, fraud or have other ethical concerns, raise your suspicions with the editor, providing as much detail as possible. Visit Elsevier’s Ethics site or the [COPE Guidelines](#) for more information.
- Give specific comments and suggestions, including about layout and format, Title, Abstract, Introduction, Graphical Abstracts and/or Highlights, Method, statistical errors, Results, Conclusion/Discussion, language and References.

Your recommendation

When you make a recommendation, it is worth considering the categories the editor most likely uses for classifying the article:

- Reject (explain reason in report)
- Accept without revision
- Revise – either major or minor (explain the revision that is required, and indicate to the editor whether or not you would be happy to review the revised article)

The final decision

The editor ultimately decides whether to accept or reject the article. Elsevier plays no part in this decision. The editor will weigh all views and may call for a third opinion or ask the author for a revised paper before making a decision. The online editorial system provides reviewers with a notification of the final decision, if the journal has opted in to this function. If this is not applicable for your journal, you can contact the editor to find out whether the article was accepted or rejected.

Publishing Tips

'Eight reasons I rejected your article'

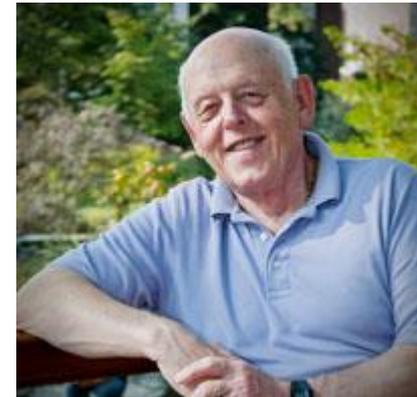
A journal editor reveals the top reasons so many manuscripts don't make it to the peer review process

By Peter Thrower, PhD Posted on 12 September 2012

The Author

When a manuscript is submitted to a high-quality scholarly journal, it goes through intense scrutiny — even before it's seen by the editor-in-chief and selected for peer review. At Elsevier, between 30 percent to 50 percent of articles don't even make it to the peer review process.

As Editor-in-Chief of *Carbon* ↗ , the international journal of the American Carbon Society, Dr. Peter Thrower experiences this situation first-hand. His advice to authors: "By avoiding these pitfalls, you will save reviewers, editors and staff time and frustration, and ensure that your work is judged by its scientific merit, not mistakes."



<https://www.elsevier.com/connect/8-reasons-i-rejected-your-article>

Eight Reasons:

1. It fails the technical screening.
2. It does not fall within the Aims and Scope.
3. It is incomplete.
4. The procedures and/or analysis of the data is seen to be defective.
5. The conclusions cannot be justified on the basis of the rest of the paper.
6. It is simply a small extension of a different paper, often from the same authors.
7. It is incomprehensible.
8. It is boring.

<https://www.elsevier.com/connect/8-reasons-i-rejected-your-article>

Reasons for rejection

Related to manuscript quality:

Lack of originality, novelty or significance

- Not an important issue

Mismatch the scope of journal

- Carefully read the Journal's aims

Research quality

Poor writing/organization

- Poor English
- Large number of careless errors like poor grammar or spelling mistakes

Modified from <http://www.editage.com/insights/most-common-reasons-for-journal-rejections>

Reasons for rejection

Not related to manuscript quality:

Space constraints

Quality and experience of peer reviewers

Journal's decision-making policy

Many submissions on the same topic

Modified from <http://www.editage.com/insights/most-common-reasons-for-journal-rejections>

Decisions

- Accept
- Accept with minor revision
- Accept with major revision
- Reject and resubmit
- Reject



Decision Concerning Paper No.ECM-D-16-00168, Energy Conversion & Management

ees.ecm.0.37201e.76a04eb2@eesmail.elsevier.com

Sat 2/6/2016 4:29 PM

To: Suttichai Assabumrungrat <Suttichai.A@chula.ac.th>; Suttichaia@yahoo.com <Suttichaia@yahoo.com>;

Cc: malnimr@just.edu.jo <malnimr@just.edu.jo>;

Dear Prof. Assabumrungrat,

Thank you for sending the manuscript, "Ultrasonic Irradiated Calcium Oxide-Catalyzed Transesterification of Palm Oil" to Energy Conversion and Management for publication. I apologize for the lengthy period of review. The review is now complete, and unfortunately, it is not completely favorable. Therefore, the paper cannot be published in Energy Conversion and Management as it is presented. I have consolidated the review comments below in the hope that they will be helpful to you in modifying the paper.

Outline

- Reasons for publishing your works
- Journal selection
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 - How to prepare a manuscript?
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 - Selection of reviewers
- Peer reviewing
- **Revising manuscript**
- Summary
- Acknowledgement

Revising manuscript

- Read the reviews very carefully!
- Check the submission deadline
- Address the major issues with substantial revisions
- Highlight major changes in revised manuscript
- Prepare list of response to reviewers' comments

Examples of responses to reviewers' comments

RESPONSES TO REVIEWERS' COMMENTS

Ms. Ref. No.: ECM-S-16-00146

Title: Ultrasonic Irradiated Calcium Oxide-Catalyzed Transesterification of Palm Oil

Energy Conversion and Management

Thank you very much for these comments and valuable suggestions. The authors would like to respond the comments as follows:

Reviewer #1

The paper entitled "Ultrasonic Irradiated Calcium Oxide-Catalyzed Transesterification of Palm Oil" reported the effects of ultrasound and catalyst CaO on the production of biodiesel from palm oil by transesterification. Overall, the authors gave useful information on the process and system design to prepare biodiesel. However, major revision is needed before publishing in this journal since some questions in the text. Some comments are listed below:

1. In title, "Ultrasonic Irradiated Calcium Oxide-Catalyzed" is not a good way of conveying the

1. In title, "Ultrasonic Irradiated Calcium Oxide-Catalyzed" is not a good way of conveying the information. It can be modified into "Effect of Ultrasound and Calcium Oxide on" or other.

Response:

In the revised manuscript, the title has been changed to **“Role of ultrasonic irradiation on transesterification of palm oil using calcium oxide as a solid base catalyst”**.

2. In line 93, please address the meaning of the research in one or two sentences.

Response:

In the revised manuscript, the meaning of this research has been addressed as suggested. Page 5, lines 93-96

“Moreover, this research revealed the importance of ultrasonic operating parameter for flow heterogeneous system (using calcium oxide as a catalyst) compared with flow homogeneous system to gain more understanding about highly efficient biodiesel production in ultrasonic assisted reactor.”

1 **Revised manuscript: ECM-D-16-00168R1**

2 **Type of Contribution: Research paper**

3

4

5 **Role of ultrasonic irradiation on transesterification of palm oil using calcium oxide as a**
6 **solid base catalyst**

7 Jutipong Poosumas^a, Kanokwan Ngaosuwan^b, Armando T. Quitain^c, Suttichai Assabumrungrat^{a,*}

8

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10 *Faculty of Engineering, Chulalongkorn University, Bangkok 10330, Thailand*

11 ^b *Division of Chemical Engineering, Faculty of Engineering, Rajamangala University of Technology Krungthep,*

90 process with catalysts packed in a basket. A simple ultrasonic sign wave was used to elucidate the
91 effect of ultrasonic frequency and ultrasonic power on biodiesel yield. The reusability of calcium
92 oxide catalysts was also investigated to provide significant information for the use of flow
93 ultrasonic reactor for biodiesel production in an industrial scale. Moreover, this research revealed
94 the importance of ultrasonic operating parameter for flow heterogeneous system (using calcium
95 oxide as a catalyst) compared with flow homogeneous system to gain more understanding about
96 highly efficient biodiesel production in ultrasonic assisted reactor.

97

98 **2. Experimental**

99 2.1 Reactants