



Rika Taslim &lt;rikataslim@gmail.com&gt;

---

**Reviewer Invitation for RENE-D-22-02859R1**

1 message

---

**Renewable Energy** <em@editorialmanager.com>  
Reply-To: Renewable Energy <support@elsevier.com>  
To: Rika Taslim <rikataslim@gmail.com>

Tue, Aug 2, 2022 at 10:52 PM

Ms. Ref. No.: RENE-D-22-02859R1  
Title: Fast-pyrolysis lignin-biochar as an excellent precursor for high-performance capacitors  
Authors: Lingyan Zhu; Xudong Liu; Yuan Wu; Qifan Wang; Haotian Wang; Dongbing Li

Renewable Energy

Dear Rika Taslim,

As one of the recognized experts in the field, you are invited to review the above-mentioned manuscript that has been submitted for publication in Renewable Energy. Please accept or decline to review using the links below. The abstract of the manuscript is shown at the end of this email. To avoid delay, we kindly ask you to decide, within 10 days from the receipt of this e-mail, if you wish to review the paper. You do not need to begin the review within these 10 days; only to accept or decline the invitation. If we do not receive a response in 10 days you will automatically be uninvited from the review of this manuscript. However, in case you wish to accept the invitation and have not been able to respond to your e-mails during the 10-day period, you are very welcome to send us an e-mail and we will be pleased to re-invite you for the review.

The Editors look for papers of commendable quality, excellence and clarity that can make a clear contribution to advancing the technical knowledge and scientific insight in our field. The journal and the scientific community are best served with the publication of papers that stand out and that make a difference. Effective peer review is essential to uphold the quality and validity of individual articles, but also the overall integrity of the journal. We would like to remind you that for every article considered for publication, there are usually at least 2 reviews required, and it is critical that scientists wishing to publish their research also be willing to provide reviews to similarly enable the peer review of papers by other authors. Please undertake reviewing in the manner in which you would hope your own paper to be reviewed.

You should treat this invitation, the manuscript and your review (as well as other reviewer comments shared with you) as confidential. You must not share your review or information about the review process with anyone without the agreement of the editors and authors involved, irrespective of the publication outcome. If the manuscript is rejected by this journal and the author agrees that the submission be transferred to another Elsevier journal via the Article Transfer Service, we may securely transfer your reviewer comments and name/contact details to the receiving journal editor for their peer review purposes.

If a paper requires major amendment to content and/or use of English or fails to clearly state its objectives and/or contribution to knowledge, or to fully discuss its findings then please do not hesitate to reject it.

We are looking for papers of excellence and clarity which make a contribution to knowledge. With this in mind please submit this paper to ROBUST scrutiny.

If you accept this invitation, I would be very grateful if you would return your review within 15 days.

If you do not wish to review this paper please inform me as soon as possible so that another reviewer can be contacted, or, if appropriate, you may wish to recommend an alternative reviewer.

To accept this invitation, please click here:  
<https://www.editorialmanager.com/rene/l.asp?i=1474996&l=GXLHQKFT>

To decline this invitation, please click here:  
<https://www.editorialmanager.com/rene/l.asp?i=1474997&l=WGDF22JL>

Alternatively, you may also register your response by accessing the Editorial Manager via

1. Go to this URL: <https://www.editorialmanager.com/rene/>
2. Enter these login details.

Your username is: RTaslim-248  
If you need to retrieve password details, please go to:  
<https://www.editorialmanager.com/rene/l.asp?i=1474998&l=HIGBBLBC>

3. Click [Reviewer Login]  
This takes you to the Reviewer Main Menu.
4. Click [New Reviewer Invitations]
5. Click either [Agree to Review] or [Decline to Review]

Your detailed REPORT and reasons for your decision should be sent be submitted via the Elsevier website using your reviewer password as instructed.

Upon submission of your review report to the system, you will get access to your personalized Elsevier reviews profile page as well as the possibility of creating a public page listing your reviews across all publishers in just a few steps! See <http://www.reviewerrecognition.elsevier.com> and <http://www.reviewerpage.com> for more information. Please also note that authors have been invited to convert their supplementary material into a Data in Brief article (a data description article). You may notice this change alongside the revised manuscript. You do not need to review this, but may need to look at the files in order to confirm that any supporting information you requested is present there.

With many thanks for your support of the journal.

As a reviewer you are entitled to complimentary access to references, abstracts, and full-text articles on ScienceDirect and Scopus for 30 days. Full details on how to claim your access via Reviewer Hub ([reviewerhub.elsevier.com](http://reviewerhub.elsevier.com)) will be provided upon your acceptance of this invitation to review.

Please visit the Elsevier Reviewer Hub ([reviewerhub.elsevier.com](http://reviewerhub.elsevier.com)) to manage all your refereeing activities for this and other Elsevier journals on Editorial Manager.

Yours sincerely,  
Veera Gnaneswar Gude, Ph.D.  
Subject Editor  
Renewable Energy

Reviewer Guidelines are now available to help you with your review: <http://www.elsevier.com/wps/find/reviewerhome.reviewer/reviewer/reviewerguidelines>

#### ABSTRACT:

Lignin-based activated carbons (LAC) were produced using thermochemical pretreatment and chemical activation with KOH. Fast pyrolysis at 550 °C in a CO<sub>2</sub>/N<sub>2</sub> atmosphere resulted in lignin char (LC) with a more developed porous structure than slow pyrolysis. The effect of activation conditions (KOH usage, temperature, and duration) on surface/physicochemical properties and electrochemical characteristics of the resulting LAC was fully studied. Using fast pyrolysis lignin char as a precursor and optimized activation conditions (w KOH : w LC = 2, 800 °C, and 2 h), the resulting LAC featured a large surface area of 2149.5 m<sup>2</sup> g<sup>-1</sup>, a total pore volume of 0.88 m<sup>3</sup> g<sup>-1</sup>, and high capacitance of 300 F g<sup>-1</sup> at 0.5 A g<sup>-1</sup> in a 6 mol L<sup>-1</sup> KOH electrolyte. The LAC-based symmetric supercapacitor could offer superior energy density (19.15 W h kg<sup>-1</sup> at 250 W kg<sup>-1</sup> power density) and a stable lifetime (98.2% of original capacity after 10,000 charge-discharge cycles). The excellent capacitor performance of LAC was attributed to its microporous-mesoporous structure developed from fast pyrolysis and subsequent chemical activation.

\*\*\*\*\*

For further assistance, please visit our customer support site at <http://help.elsevier.com/app/answers/list/p/7923>. Here you can search for solutions on a range of topics, find answers to frequently asked questions and learn more about EM via interactive tutorials. You will also find our 24/7 support contact details should you need any further assistance from one of our customer support representatives.

Please note: Reviews are subject to a confidentiality policy, [http://service.elsevier.com/app/answers/detail/a\\_id/14156/supporthub/publishing/](http://service.elsevier.com/app/answers/detail/a_id/14156/supporthub/publishing/)

#REV\_RENE#

To ensure this email reaches the intended recipient, please do not delete the above code

---

In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: <https://www.editorialmanager.com/rene/login.asp?a=r>). Please contact the publication office if you have any questions.



Rika Taslim &lt;rikataslim@gmail.com&gt;

---

**Thank you for the review of RENE-D-22-02859R1**

2 messages

---

**Renewable Energy** <em@editorialmanager.com>  
Reply-To: Renewable Energy <support@elsevier.com>  
To: Rika Taslim <rikataslim@gmail.com>

Sat, Aug 20, 2022 at 9:57 PM

Ms. Ref. No.: RENE-D-22-02859R1  
Title: Fast-pyrolysis lignin-biochar as an excellent precursor for high-performance capacitors  
Renewable Energy

Dear Rika Taslim,

By way of thanks for your review of this manuscript Elsevier are delighted to offer you a voucher for 25% discount on Science and Technology print books and eBooks at the Elsevier.com store. The advancement of science depends on the dedication and contribution of people like you, so please accept this token of gratitude on behalf of the Renewable Energy publishing and editorial team. To redeem your voucher, please visit the following page:  
<https://www.elsevier.com/promo/books-and-journals/thankyou>

You can access your comments and the decision letter when it becomes available. To access your comments and the decision letter, please do the following:

1. Go to this URL: <https://www.editorialmanager.com/rene/>
2. Enter your login details
3. Click [Reviewer Login]

Thank you again for sharing your time and expertise.

As a token of appreciation, we would like to provide you with a review recognition certificate on Elsevier Reviewer Hub ([reviewerhub.elsevier.com](http://reviewerhub.elsevier.com)). Through the Elsevier Reviewer Hub, you can also keep track of all your reviewing activities for this and other Elsevier journals on Editorial Manager.

If you have not yet activated your 30 day complimentary access to ScienceDirect and Scopus, you can still do so via the [Rewards] section of your profile in Reviewer Hub ([reviewerhub.elsevier.com](http://reviewerhub.elsevier.com)). You can always claim your 30-day access period later, however, please be aware that the access link will expire six months after you have accepted to review.

Yours sincerely,

Veera Ganeswar Gude, Ph.D.  
Subject Editor  
Renewable Energy

\*\*\*\*\*

For further assistance, please visit our customer support site at <http://help.elsevier.com/app/answers/list/p/7923>. Here you can search for solutions on a range of topics, find answers to frequently asked questions and learn more about EM via interactive tutorials. You will also find our 24/7 support contact details should you need any further assistance from one of our customer support representatives.

#REV\_RENE#

To ensure this email reaches the intended recipient, please do not delete the above code

---

In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: <https://www.editorialmanager.com/rene/login.asp?a=r>). Please contact the publication office if you have any questions.

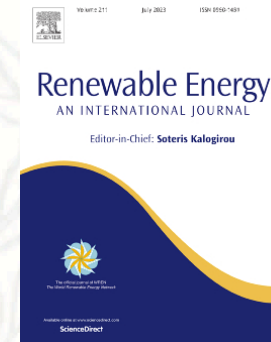
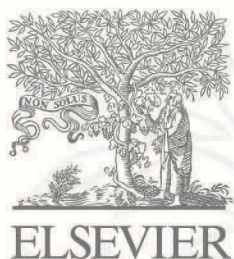
10/27/22, 11:23 PM

Gmail - Thank you for the review of RENE-D-22-02859R1

**Rika Taslim** <rikataslim@gmail.com>  
To: reviews@publons.com

Sun, Aug 21, 2022 at 6:04 AM

[Quoted text hidden]



Renewable Energy

# Certificate of Reviewing

Awarded for 2 reviews between June 2022 and August 2022  
presented to

**RIKA TASLIM**

in recognition of the review contributed to the journal

The Editors of Renewable Energy

