



Rika Taslim <rikataslim@gmail.com>

Reviewer Invitation for Alternative Feedstock for the Production of Activated Carbon with ZnCl₂: Forestry Residue Biomass and Waste Wood

1 message

Carbon Resources Conversion <em@editorialmanager.com>
Reply-To: Carbon Resources Conversion <crcon@elsevier.com>
To: Rika Taslim <rikataslim@gmail.com>

Mon, May 30, 2022 at 1:55 AM

Ref.: Ms. No. CRCON-D-22-32

Alternative Feedstock for the Production of Activated Carbon with ZnCl₂: Forestry Residue Biomass and Waste Wood
Carbon Resources Conversion

Dear Taslim,

I would like to invite you to review the above referenced manuscript for %FULLJOURNALTITLE%. To maintain our journal's high standards we need the best reviewers, and given your expertise in this area I would greatly appreciate your contribution.

I kindly ask you to give this review invitation the same consideration that you would want one of your own manuscripts to receive. Please note: Reviews are subject to a confidentiality policy, for more information please visit:
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If possible, I would appreciate receiving your review by Jun 19, 2022 (IF JOURNAL IS IN 'INVITATION MODE'). If possible, I would appreciate receiving your review in 21 days (IF JOURNAL IS IN 'AGREED MODE'). You may submit your comments online at the above URL. There you will find spaces for confidential comments to the editor, comments for the author and a report form to be completed.

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With kind regards

Christoph Pfeifer
Associate Editor

The abstract is:

Activated carbon is a well-studied material with applications in various fields owing to its distinct porosity and high surface area. In order to substitute fossil resources in AC production, recent efforts have focused on the utilization of renewable raw materials. Central and Northern Europe with their important wood industries offer two potentially underestimated, widely available, but challenging resource types: forestry residue biomass (FRB) and municipal waste wood (WW). One-step pyrolysis with an impregnation agent is a low-cost and efficient method for producing powdered activated carbon from biomass. Activation was carried out using FRB/WW feedstock and ZnCl₂ as the activating agent at gasification temperatures varying from 400 to 600 °C and residence times between 1 and 3 h. Overall, 72 samples were prepared and characterized thoroughly via elemental analysis, N₂/CO₂ adsorption-desorption, thermogravimetric analysis (TGA), scanning electron microscopy (SEM), and infrared spectroscopy (FTIR). The produced carbons showed specific surface areas of up to 1430 m² g⁻¹ and a pore size distribution with a micropore share of up to 80 %. The presence of oxygen-containing functional groups was

confirmed. The presented study could be a next step in tapping the potential of local AC production using wood-based biomasses.

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Rika Taslim <rikataslim@gmail.com>

Thank you for the review of CRCON-D-22-32

2 messages

Carbon Resources Conversion <em@editorialmanager.com>
Reply-To: Carbon Resources Conversion <crcon@elsevier.com>
To: Rika Taslim <rikataslim@gmail.com>

Tue, Jun 21, 2022 at 11:01 PM

Ref.: Ms. No. CRCON-D-22-32

Alternative Feedstock for the Production of Activated Carbon with ZnCl₂: Forestry Residue Biomass and Waste Wood
Carbon Resources Conversion

Dear Taslim,

Thank you for your review for the above-referenced manuscript. I greatly appreciate the commitment of your time and expertise. Without the dedication of reviewers like you, it would be impossible to manage an efficient peer review process and maintain the high standards necessary for a successful journal.

I hope that you will consider Carbon Resources Conversion as a potential journal for your own publications in the future.

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Kind regards,

Christoph Pfeifer
Associate Editor
Carbon Resources Conversion

Have questions or need assistance?

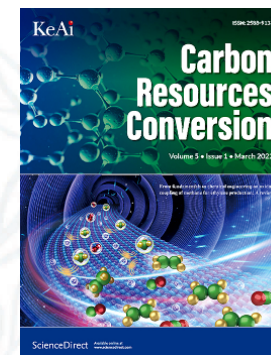
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Rika Taslim <rikataslim@gmail.com>
To: reviews@publons.com

Tue, Aug 2, 2022 at 9:38 PM

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in recognition of the review contributed to the journal

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