



maulanayusuf ft <maulanayusuf@ft.unsri.ac.id>

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**Submission received for Environmental Pollutants and Bioavailability (Submission ID: 245346344)**

1 pesan

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TCSB-peerreview@journals.tandf.co.uk <TCSB-peerreview@journals.tandf.co.uk>  
Kepada: maulanayusuf@ft.unsri.ac.id

19 Januari 2024 pukul 13.55



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Dear Maulana Yusuf,

A manuscript has been submitted.

Submission ID	<b>245346344</b>
Manuscript Title	<b>Methane gas emission during the spontaneous combustion of sub-bituminous C coal with different organic sulfur content in the temporary stockpile</b>
Journal	<b>Environmental Pollutants and Bioavailability</b>

You have been identified as the main contact for this submission and will receive further updates from the Editorial Office.

If you are not aware of the submission and would like to find out more please contact [journalshelpdesk@taylorandfrancis.com](mailto:journalshelpdesk@taylorandfrancis.com).

Kind Regards,  
*Environmental Pollutants and Bioavailability* Editorial Office



maulanayusuf ft &lt;maulanayusuf@ft.unsri.ac.id&gt;

**245346344 (Environmental Pollutants and Bioavailability) A revise decision has been made on your submission**

1 message

**Chemical Speciation & Bioavailability** <onbehalfof@manuscriptcentral.com>

Wed, Feb 7, 2024 at 9:33

AM

Reply-To: tcsboffice@gmail.com

To: maulanayusuf@ft.unsri.ac.id

06-Feb-2024

Dear Maulana Yusuf:

Your manuscript entitled "Methane gas emission during the spontaneous combustion of sub-bituminous C coal with different organic sulfur content in the temporary stockpile", which you submitted to Environmental Pollutants and Bioavailability, has been reviewed. The reviewer comments are included at the bottom of this letter.

The reviewer(s) would like to see some revisions made to your manuscript before publication. Therefore, I invite you to respond to the reviewer(s)' comments and revise your manuscript.

When you revise your manuscript please highlight the changes you make in the manuscript by using the track changes mode in MS Word or by using bold or coloured text.

In accordance with our format-free submission policy, an editable version of the article must be supplied at the revision stage. Please submit your revised manuscript files in an editable file format.

To submit a revision, go to <https://rp.tandfonline.com/submission/flow?submissionId=245346344&step=1>. If you decide to revise the work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript.

If you have any questions or technical issues, please contact the journal's editorial office at [TCSB-peerreview@journals.tandf.co.uk](mailto:TCSB-peerreview@journals.tandf.co.uk).

Because we are trying to facilitate timely publication of manuscripts submitted to Environmental Pollutants and Bioavailability, your revised manuscript should be uploaded by 05-Mar-2024. If it is not possible for you to submit your revision by this date, we may have to consider your paper as a new submission.

Once again, thank you for submitting your manuscript to Environmental Pollutants and Bioavailability and I look forward to receiving your revision.

Sincerely,  
Dr Gao  
Co-Editor-in-Chief, Environmental Pollutants and Bioavailability  
[tcsboffice@gmail.com](mailto:tcsboffice@gmail.com)

Comments from the Editors and Reviewers:

Reviewer: 1

Comments to the Author

Some irregularities were found in this article, following questions should be responded in detailed.

1. In section introduction, please list the current research status of the relationship between organic sulfur content and the formation of methane gas emission in spontaneous coal combustion, and explain in more detail why it is worth studying and why it is important in practical applications.
2. In section introduction, "Other research on bituminous coal shows that organic sulfur plays a vital role in Observations made include the increase in organic sulfur in sub bituminous coal with increasing temperature", the role of carbon disulfide compounds, the formation of hydrogen gas and sulfur dioxide from bituminous coal, and the high organic sulfur

- content of bituminous coal will increase the potential for spontaneous combustion", please provide specific references.
3. In section 3.3, "Figure 2 shows that the higher the organic sulfur content in carbon disulfide bonds, the higher the spontaneous combustion temperature of sub-bituminous C coal will occur. "This research design collected 46 samples of spontaneous combustion of coal. Why only two data points are listed in Figure 2? Two data points are too few to prove this conclusion.
  4. In section 3.3, "The selfheating and spontaneous heating processes of sub-bituminous C coal in the West Banko Mine Area involve both processes". This process is the effect of water content on coal self-heating. How does this process relate to "Relationship between methane gas emission, temperature, and the spontaneous combustion time in different organic sulfurs"?
  5. In this paper, organic sulfur content and water content have significant effects on methane gas emissions during the spontaneous combustion of bituminous coal. Please provide more charts or graphs to visualize your data in the analytics section.
  6. There are some spelling mistakes and grammatical issues in the document. Please check and modify it carefully.

Reviewer: 2

#### Comments to the Author

This paper presents an experimental study on the effect of differences in organic sulfur content in the form of carbon disulfide on the formation of methane gas emissions in the spontaneous combustion of sub-bituminous C coal in the temporary stockpile. The research topic fits into the scope of Environmental Pollutant and Bioavailability journal. However, the literature review could be expanded and the discussion could be enhanced in some areas. Specific comments below:

1. There are previously published papers regarding this research as you mentioned in your paper. Highlight how your paper differs from them. Please clarify the research purpose of this study with the difference from previous papers.
2. Table 1: Please provide abbreviations (TM, IM, VM, FC, TS, and GCV).
3. Tables 1 and 2: Coals' names have different spacing. BB 52 LS <-> BB52HS
4. Figure 5 cannot be found in the text.
5. Which has a greater effect on spontaneous combustion: the moisture content of coal or the sulfur content? Please explain in detail. A comparison of more types of coal samples is likely needed to determine the effects of moisture and sulfur content on spontaneous combustion. This study compared only two coal samples, with one type having more moisture and less sulfur.
6. Please explain the physical meaning of the slope in Figures 4 and 5 respectively and provide further discussion regarding it.

4/1/24, 6:07 AM

Email Sriwijaya University - Re: Re: Environmental Pollutants and Bioavailability - TCSB-2024-0006.R1 - changes required to your ...



maulanayusuf ft <maulanayusuf@ft.unsri.ac.id>

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**Re: Re: Environmental Pollutants and Bioavailability - TCSB-2024-0006.R1 - changes required to your submission #TrackingId:18078651**

1 message

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**TCSB-peerreview@journals.tandf.co.uk** <TCSB-peerreview@journals.tandf.co.uk>  
To: maulanayusuf@ft.unsri.ac.id

Wed, Mar 6, 2024 at 8:34 AM

Dear Maulana Yusuf,

Thank you for amending.

Confirming that your revision is now with the editor for further consideration.

Please let me know if you have any concerns.

Best Regards,

Mary Rose Logro - Journal Editorial Office

Environmental Pollutants and Bioavailability

Taylor & Francis Group

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**245346344.R1 (Environmental Pollutants and Bioavailability) A revise decision has been made on your submission**

1 message

**Chemical Speciation & Bioavailability** <onbehalf@manuscriptcentral.com>

Sat, Mar 16, 2024 at 7:55 PM

Reply-To: tcsboffice@gmail.com

To: maulanayusuf@ft.unsri.ac.id

16-Mar-2024

Dear Maulana Yusuf:

Your manuscript entitled "Methane gas emission during the spontaneous combustion of sub-bituminous C coal with different organic sulfur content in the temporary stockpile", which you submitted to Environmental Pollutants and Bioavailability, has been reviewed. The reviewer comments are included at the bottom of this letter.

The reviews are in general favourable and suggest that, subject to minor revisions, your paper could be suitable for publication. Please consider these suggestions, and I look forward to receiving your revision.

When you revise your manuscript please highlight the changes you make in the manuscript by using the track changes mode in MS Word or by using bold or coloured text.

In accordance with our format-free submission policy, an editable version of the article must be supplied at the revision stage. Please submit your revised manuscript files in an editable file format.

To submit a revision, go to <https://rp.tandfonline.com/submission/flow?submissionId=245346344.R1&step=1>. If you decide to revise the work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript.

If you have any questions or technical issues, please contact the journal's editorial office at [TCSB-peerreview@journals.tandf.co.uk](mailto:TCSB-peerreview@journals.tandf.co.uk).

Because we are trying to facilitate timely publication of manuscripts submitted to Environmental Pollutants and Bioavailability, your revised manuscript should be uploaded by 30-Mar-2024. If it is not possible for you to submit your revision by this date, we may have to consider your paper as a new submission.

Once again, thank you for submitting your manuscript to Environmental Pollutants and Bioavailability and I look forward to receiving your revision.

Sincerely,  
Dr Gao

Co-Editor-in-Chief, Environmental Pollutants and Bioavailability  
[tcsboffice@gmail.com](mailto:tcsboffice@gmail.com)

Comments from the Editors and Reviewers:

Reviewer: 1

Comments to the Author

1. In Figure 1, the size of chamber and coal pile should be described in detailed, and the locations and parameters of thermometer and multigas detector should be labeled. Moreover, the photo of the experimental device is suggested to supplement.
2. What is the range of temperature for the experimental tests? How about the accuracy of the thermometer and detector? Please check and supplement.
3. What is the coal sample loading capacity? It is a vital determining parameter on methane gas emission, please check and supplement.

Reviewer: 2

Comments to the Author

The authors addressed all my comments, questions and concerns and the paper can be accepted for publication.

3/29/24, 5:38 AM

Email Sriwijaya University - Revised submission received for Environmental Pollutants and Bioavailability (Submission ID: 245346...



maulanayusuf ft <maulanayusuf@ft.unsri.ac.id>

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**Revised submission received for Environmental Pollutants and Bioavailability  
(Submission ID: 245346344.R2)**

1 pesan

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TCSB-peerreview@journals.tandf.co.uk <TCSB-peerreview@journals.tandf.co.uk>  
Kepada: maulanayusuf@ft.unsri.ac.id

20 Maret 2024 pukul 03.29



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Dear Maulana Yusuf,

A manuscript revision has been submitted.

Submission ID	<b>245346344</b>
Manuscript Title	<b>Methane gas emission during the spontaneous combustion of sub-bituminous C coal with different organic sulfur content in the temporary stockpile</b>
Journal	<b>Environmental Pollutants and Bioavailability</b>

You have been identified as the main contact for this submission and will receive further updates from the Editorial Office.

If you are not aware of the submission and would like to find out more please contact [journalshelpdesk@taylorandfrancis.com](mailto:journalshelpdesk@taylorandfrancis.com).

Kind Regards,  
*Environmental Pollutants and Bioavailability* Editorial Office



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**Environmental Pollutants and Bioavailability - Decision on Manuscript ID TCSB-2024-0006.R2**

1 message

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**Chemical Speciation & Bioavailability** <onbehalfof@manuscriptcentral.com>

Wed, Mar 20, 2024 at 10:25 PM

Reply-To: tcsboffice@gmail.com

To: maulanayusuf@ft.unsri.ac.id

20-Mar-2024

Dear Maulana Yusuf:

Ref: Methane gas emission during the spontaneous combustion of sub-bituminous C coal with different organic sulfur content in the temporary stockpile

Our reviewers have now considered your paper and have recommended publication in Environmental Pollutants and Bioavailability. We are pleased to accept your paper in its current form which will now be forwarded to the publisher for copy editing and typesetting. The reviewer comments are included at the bottom of this letter.

You will receive proofs for checking, and instructions for transfer of copyright in due course.

The publisher also requests that proofs are checked through the publisher's tracking system and returned within 48 hours of receipt.

Thank you for your contribution to Environmental Pollutants and Bioavailability and we look forward to receiving further submissions from you.

Sincerely,

Dr Gao

Co-Editor-in-Chief, Environmental Pollutants and Bioavailability  
[tcsboffice@gmail.com](mailto:tcsboffice@gmail.com)

Reviewer(s)' Comments to Author:



maulanayusuf ft &lt;maulanayusuf@ft.unsri.ac.id&gt;

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**Author corrections submitted for Manuscript ID: TCSB A 2334737**

1 pesan

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**iauthorsupport@integra.co.in** <iauthorsupport@integra.co.in>

23 Maret 2024 pukul 19.53

Kepada: maulanayusuf@ft.unsri.ac.id

Cc: amalraj.joyalsaminathan@integra.co.in

Manuscript Title: TCSB - (Methane gas emission during the spontaneous combustion of sub-bituminous C coal with different organic sulfur content in the temporary stockpile)

Manuscript DOI: 10.1080/26395940.2024.2334737

Journal: TCSB-Chemical Speciation & Bioavailability

Date proof corrections submitted: 23 March 2024

Dear Maulana Yusuf,

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Email: [TCSB-production@journals.tandf.co.uk](mailto:TCSB-production@journals.tandf.co.uk)

Thank you.

Yours sincerely,

Taylor & Francis Online Proofing Team

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4/1/24, 6:05 AM

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maulanayusuf ft <maulanayusuf@ft.unsri.ac.id>

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26 Maret 2024 pukul 15.08

Balas Ke: noreply@tandfonline.com

Kepada: maulanayusuf@ft.unsri.ac.id



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Dear Maulana Yusuf,

Your Open Access article, Methane gas emission during the spontaneous combustion of sub-bituminous C coal with different organic sulfur content in the temporary stockpile, published in Environmental Pollutants and Bioavailability, Volume 36 Issue 1, is now available to access via [tandfonline.com](https://tandfonline.com).