



Agustinus Purna Irawan &lt;agustinus@untar.ac.id&gt;

## Re: [Polymers] Follow up on your planned paper

**JANUAR PARLAUNGAN SIREGAR** . <januar@ump.edu.my>

Sat, Feb 5, 2022 at 3:43 PM

To: Felix Li &lt;felix.li@mdpi.com&gt;

Cc: "A.P. Irawan" &lt;agustinus@untar.ac.id&gt;, "Tezara Cionita Dr." &lt;tezara.cionita@newinti.edu.my&gt;, "D.F. Fitriyana" &lt;deniifa89@mail.unnes.ac.id&gt;

Dear Mr. Felix Li,

Hope you are doing well recently.

I have one review article title: "**Overview of the Important Factors Influencing the Performance of Eco-Friendly Brake Pads**". Is there any special issue related to my topic? And is there any special rate if I want to submit my manuscript in Polymers?

Thank you very much for your time and cooperation.

On Tue, Nov 16, 2021 at 1:24 PM Felix Li <felix.li@mdpi.com> wrote:

Dear Dr. Siregar,

Hope you are doing well recently.

The submission deadline to enjoy the special discount was due, and we did not receive your submission yet. Do you need any assistance? For you authors whose papers are not prepared well as planned due to some special reasons like the pandemic, the editorial office would like to maintain the special discount by a new deadline 15 December 2021.

Thank you for your continued support. We look forward to receiving your submissions. We'll always be in touch if you have any questions.

--

Mr. Felix Li

[felix.li@mdpi.com](mailto:felix.li@mdpi.com)

Section Managing Editor

Polymers Editorial Office

=====

Recruiting Editorial Board Members for the New Section "Polymer Membranes and Films"

[https://www.mdpi.com/journal/polymers/sections/Membr\\_Film](https://www.mdpi.com/journal/polymers/sections/Membr_Film)

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Propose a special issue in Polymers:

<https://mdpi.com/journalproposal/sendproposalspecialissue/Polymers>

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Conference Polymers 2022: 25–27 May 2022, Turin, Italy

Open for registrations: <https://polymers2022.sciforum.net/>

--

Best Regards,

**Dr. Januar Parlaungan Siregar**

Senior Lecturer

Department of Mechanical Engineering

College of Engineering

Universiti Malaysia Pahang, 26300 Gambang

Kuantan, Pahang Darul Makmur

MALAYSIA

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Agustinus Purna Irawan <agustinus@untar.ac.id>

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**Re: [Polymers] Follow up on your planned paper**

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**JANUAR PARLAUNGAN SIREGAR** . <januar@ump.edu.my>

Sun, Feb 6, 2022 at 5:48 PM

To: Felix Li <felix.li@mdpi.com>

Cc: "A.P. Irawan" <agustinus@untar.ac.id>, "D.F. Fitriyana" <deniifa89@mail.unnes.ac.id>, "Tezara Cionita Dr." <tezara.cionita@newinti.edu.my>

Dear Mr. Felix Li,

Thank you for responding quickly and providing the information. A draught of my review article is attached.

Thank you.

[Quoted text hidden]



**Manuscript\_Polymers.pdf**

591K



Agustinus Purna Irawan <agustinus@untar.ac.id>

## Re: [Polymers] Follow up on your planned paper

JANUAR PARLAUNGAN SIREGAR . <januar@ump.edu.my>

Mon, Feb 7, 2022 at 5:13 PM

To: Felix Li <felix.li@mdpi.com>

Cc: "A.P. Irawan" <agustinus@untar.ac.id>, "D.F. Fitriyana" <deniifa89@mail.unnes.ac.id>, "Tezara Cionita Dr." <tezara.cionita@newinti.edu.my>

Dear Mr. Felix Li,

I've submitted my review article on the special issues that you have suggested. Thank you.

Manuscript ID	Journal	Section / Special Issue	Title	Status	Submission Date
polymers-1608100	Polymers	SI: High-Performance Biocomposite Reinforced by Natural Fibers	Overview of the Important Factors Influencing the Performance of Eco-Friendly Brake Pads	Pending review	2022-02-07 11:06:39

On Mon, Feb 7, 2022 at 4:54 PM Felix Li <felix.li@mdpi.com> wrote:

Dear Dr. Siregar,

Thank you for your email.

I have applied to our editorial office again and they approved a 400-CHF discount if submitted by 18 February.

Would this be feasible for you?

In the hope to receive your favorable consideration, we look forward to hearing from you.

Special Issue "High-Performance Biocomposite Reinforced by Natural Fibers" ([https://www.mdpi.com/journal/polymers/special\\_issues/high\\_perform\\_biocompos\\_reinf\\_nat\\_fiber](https://www.mdpi.com/journal/polymers/special_issues/high_perform_biocompos_reinf_nat_fiber))

Link to submit to the special issue: [https://susy.mdpi.com/user/manuscripts/upload?form%5Bjournal\\_id%5D=29&form%5Bspecial\\_issue\\_id%5D=77048](https://susy.mdpi.com/user/manuscripts/upload?form%5Bjournal_id%5D=29&form%5Bspecial_issue_id%5D=77048)

Mr. Felix Li  
felix.li@mdpi.com

Section Managing Editor  
Polymers Editorial Office

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Topical Advisory Panel Application  
[https://www.mdpi.com/journal/polymers/topical\\_advisory\\_panel\\_application](https://www.mdpi.com/journal/polymers/topical_advisory_panel_application)

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Propose a special issue in Polymers:  
<https://mdpi.com/journalproposal/sendproposalspecialissue/Polymers>

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Conference Polymers 2022: 25–27 May 2022, Turin, Italy  
Open for registrations: <https://polymers2022.sciforum.net/>

On 2022/2/7 16:21, JANUAR PARLAUNGAN SIREGAR . wrote:

Dear Mr. Felix Li,

I've already discussed it with my colleagues and we've decided to submit the manuscript to the Special Issue - **"High-Performance Biocomposite Reinforced by Natural Fibers"** ([https://www.mdpi.com/journal/polymers/special\\_issues/high\\_perform\\_biocompos\\_reinf\\_nat\\_fiber](https://www.mdpi.com/journal/polymers/special_issues/high_perform_biocompos_reinf_nat_fiber)). I have one question: Is it possible for us to receive more than a 10% discount?

Thank you very much for your cooperation.

[Quoted text hidden]

[Quoted text hidden]



Agustinus Purna Irawan &lt;agustinus@untar.ac.id&gt;

**[Polymers] Manuscript ID: polymers-1608100 - Major Revisions****Polymers Editorial Office** <polymers@mdpi.com>

Mon, Feb 21, 2022 at 11:01 AM

Reply-To: nopparat@mdpi.com

To: Januar Parlaungan Siregar &lt;januar@ump.edu.my&gt;

Cc: "A.P. Irawan" &lt;agustinus@untar.ac.id&gt;, "D.F. Fitriyana" &lt;deniifa89@mail.unnes.ac.id&gt;, "C. Tezara" &lt;tezara.cionita@newinti.edu.my&gt;, "D. Laksmidewi" &lt;dwinita.laksmi@atmajaya.ac.id&gt;, "G.D. Baskara" &lt;13519190@std.stei.itb.ac.id&gt;, "M.Z. Abdullah" &lt;mezul@usm.my&gt;, "R. Junid" &lt;ramli@ump.edu.my&gt;, "A.E. Hadi" &lt;efriyo@malahayati.ac.id&gt;, "M.H.M. Hamdan" &lt;hazim.hamdan@firstcity.edu.my&gt;, "N. Najid" &lt;najid@ft.untar.ac.id&gt;, Polymers Editorial Office &lt;polymers@mdpi.com&gt;

Dear Dr. Siregar,

Thank you again for your manuscript submission:

Manuscript ID: polymers-1608100

Type of manuscript: Review

Title: Overview of the Important Factors Influencing the Performance of Eco-Friendly Brake Pads

Authors: A.P. Irawan \*, D.F. Fitriyana \*, C. Tezara \*, J.P. Siregar \*, D. Laksmidewi, G.D. Baskara, M.Z. Abdullah, R. Junid, A.E. Hadi, M.H.M. Hamdan, N. Najid

Received: 7 February 2022

E-mails: [agustinus@untar.ac.id](mailto:agustinus@untar.ac.id), [deniifa89@mail.unnes.ac.id](mailto:deniifa89@mail.unnes.ac.id), [tezara.cionita@newinti.edu.my](mailto:tezara.cionita@newinti.edu.my), [januar@ump.edu.my](mailto:januar@ump.edu.my), [dwinita.laksmi@atmajaya.ac.id](mailto:dwinita.laksmi@atmajaya.ac.id), [13519190@std.stei.itb.ac.id](mailto:13519190@std.stei.itb.ac.id), [mezul@usm.my](mailto:mezul@usm.my), [ramli@ump.edu.my](mailto:ramli@ump.edu.my), [efriyo@malahayati.ac.id](mailto:efriyo@malahayati.ac.id), [hazim.hamdan@firstcity.edu.my](mailto:hazim.hamdan@firstcity.edu.my), [najid@ft.untar.ac.id](mailto:najid@ft.untar.ac.id)

Submitted to section: Circular and Green Polymer Science,

[https://www.mdpi.com/journal/polymers/sections/Circ\\_Green](https://www.mdpi.com/journal/polymers/sections/Circ_Green)

High-Performance Biocomposite Reinforced by Natural Fibers

[https://www.mdpi.com/journal/polymers/special\\_issues/high\\_perform\\_biocompos\\_reinf\\_nat\\_fiber](https://www.mdpi.com/journal/polymers/special_issues/high_perform_biocompos_reinf_nat_fiber)

Your manuscript has now been reviewed by experts in the field. Please find your manuscript with the referee reports at this link:

<https://susy.mdpi.com/user/manuscripts/resubmit/7fa4743fd96e7cc83d2e48adba657847>

Please revise the manuscript according to the referees' comments and upload the revised file within 10 days.

Please use the version of your manuscript found at the above link for your revisions.

(I) Any revisions to the manuscript should be marked up using the "Track Changes" function if you are using MS Word/LaTeX, such that any changes can be easily viewed by the editors and reviewers.

(II) Please provide a cover letter to explain, point by point, the details of the revisions to the manuscript and your responses to the referees' comments.

(III) If you found it impossible to address certain comments in the review reports, please include an explanation in your rebuttal.

(IV) The revised version will be sent to the editors and reviewers.

If one of the referees has suggested that your manuscript should undergo extensive English revisions, please address this issue during revision. We propose that you use one of the editing services listed at <https://www.mdpi.com/authors/english> or have your manuscript checked by a native English-speaking colleague.

Do not hesitate to contact us if you have any questions regarding the revision of your manuscript. We look forward to hearing from you soon.

## REVIEWERS COMMENT

### Reviewers 1:

#### Comments and Suggestions for Authors

This is an interesting review of existing literature on the characteristics of eco-friendly brakes. However, prior to publication the following points need to be addressed:

1. Article type: This is a review not an original scientific article, since it only focuses on presenting existing literature in the field. So please modify this in the submission system.
2. It is nice that you make a comparison of friction and wear between the different materials in literature. However, have in mind that friction and wear are system properties. Depending on the contact conditions (speeds, loads, temperature, pressures...), geometry, counter-material etc. significant differences can be obtained. Thus, if you want to make such a comparison the following points should be clear: (a) How were these tribological properties measured? You should consider including a section describing this, or mention it per article that you presenting. (b) When you refer to a COF it should be always be versus a material (it is a system property). (c) A direct comparison of friction and wear between the materials (as shown in table 2) is not correct if the conditions are not similar and relevant.
3. The wear mechanisms are not discussed. Changing the conditions (e.g. you mention that increasing the speed leads to an increase in wear rate) can also change the wear mechanisms.
4. In page 8 you mention that 'As the speed increases, the wear rate also increases because of increasing contact pressure'. This is not correct. The (initial) contact pressure is not defined by the speed, but from the contact geometry, applied load and surface topography. The increase of wear rate with speed is possibly due to a change in wear mechanisms (see for example wear maps).
5. In the conclusion you refer to heat and abrasion resistance. How did you reach this conclusion?
6. This is a nice work, but as a review article it should include your critical analysis of existing literature. I would suggest that before the conclusions you add a section discussing what is achieved in this field, what are the current limitations and future perspectives. In this way the added value of your review article will increase.

## **Reviewers 2:**

1. In the introduction sections, new section before the first paragraph should be included by presenting the biodegradation and sustainability of natural fibres composites, some recent references are recommended below to be included to strength this section:
2. <https://onlinelibrary.wiley.com/doi/10.1002/9783527823604.ch2>
3. <https://onlinelibrary.wiley.com/doi/abs/10.1002/pc.26305>
4. <https://www.sciencedirect.com/science/article/pii/S1359836816309660>
5. More related previous studies should be presented in section 2, with included some illustrations and figures to enhance the quality of this paper.
6. Any thermal studies mentioned in previous literature should be included to improve the quality of this review.
7. The conclusions need to be re-organised and the applications mentioned in previous works should display.



Agustinus Purna Irawan &lt;agustinus@untar.ac.id&gt;

**[Polymers] Manuscript ID: polymers-1608100 - Revision Reminder****Polymers Editorial Office** <polymers@mdpi.com>

Wed, Mar 2, 2022 at 9:37 AM

Reply-To: nopparat@mdpi.com

To: Januar Parlaungan Siregar &lt;januar@ump.edu.my&gt;

Cc: "A.P. Irawan" &lt;agustinus@untar.ac.id&gt;, "D.F. Fitriyana" &lt;deniifa89@mail.unnes.ac.id&gt;, "C. Tezara" &lt;tezara.cionita@newinti.edu.my&gt;, "D. Laksmidewi" &lt;dwinita.laksmi@atmajaya.ac.id&gt;, "G.D. Baskara" &lt;13519190@std.stei.itb.ac.id&gt;, "M.Z. Abdullah" &lt;mezul@usm.my&gt;, "R. Junid" &lt;ramli@ump.edu.my&gt;, "A.E. Hadi" &lt;efriyo@malahayati.ac.id&gt;, "M.H.M. Hamdan" &lt;hazim.hamdan@firstcity.edu.my&gt;, "N. Najid" &lt;najid@ft.untar.ac.id&gt;, Polymers Editorial Office &lt;polymers@mdpi.com&gt;

Dear Dr. Siregar,

Sorry for disturbing you. We sent a revision reminder for the following manuscript.

Manuscript ID: polymers-1608100

Type of manuscript: Review

Title: Overview of the Important Factors Influencing the Performance of Eco-Friendly Brake Pads

Authors: A.P. Irawan \*, D.F. Fitriyana \*, C. Tezara \*, J.P. Siregar \*, D. Laksmidewi, G.D. Baskara, M.Z. Abdullah, R. Junid, A.E. Hadi, M.H.M. Hamdan, N. Najid

Received: 7 February 2022

E-mails: [agustinus@untar.ac.id](mailto:agustinus@untar.ac.id), [deniifa89@mail.unnes.ac.id](mailto:deniifa89@mail.unnes.ac.id), [tezara.cionita@newinti.edu.my](mailto:tezara.cionita@newinti.edu.my), [januar@ump.edu.my](mailto:januar@ump.edu.my), [dwinita.laksmi@atmajaya.ac.id](mailto:dwinita.laksmi@atmajaya.ac.id), [13519190@std.stei.itb.ac.id](mailto:13519190@std.stei.itb.ac.id), [mezul@usm.my](mailto:mezul@usm.my), [ramli@ump.edu.my](mailto:ramli@ump.edu.my), [efriyo@malahayati.ac.id](mailto:efriyo@malahayati.ac.id), [hazim.hamdan@firstcity.edu.my](mailto:hazim.hamdan@firstcity.edu.my), [najid@ft.untar.ac.id](mailto:najid@ft.untar.ac.id)Submitted to section: Circular and Green Polymer Science, [https://www.mdpi.com/journal/polymers/sections/Circ\\_Green](https://www.mdpi.com/journal/polymers/sections/Circ_Green)  
High-Performance Biocomposite Reinforced by Natural Fibers  
[https://www.mdpi.com/journal/polymers/special\\_issues/high\\_perform\\_biocompos\\_reinf\\_nat\\_fiber](https://www.mdpi.com/journal/polymers/special_issues/high_perform_biocompos_reinf_nat_fiber)

May we kindly ask you to update us on the progress of your revisions? If you have finished your revisions, please upload the revised version together with your responses to the reviewers as soon as possible. If you need more time for revision, please feel free to let us know with the date you may finished.

You can find your manuscript and review reports at this link:

<https://susy.mdpi.com/user/manuscripts/resubmit/7fa4743fd96e7cc83d2e48adba657847>

Thank you in advance for your kind cooperation and we look forward to hearing from you soon.

Kind regards,  
Mr. Nopparat Komrapit  
Assistant Editor  
Email: [nopparat@mdpi.com](mailto:nopparat@mdpi.com)

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Agustinus Purna Irawan &lt;agustinus@untar.ac.id&gt;

**[Polymers] Manuscript ID: polymers-1608100 - Revision Reminder**

JANUAR PARLAUNGAN SIREGAR . &lt;januar@ump.edu.my&gt;

Wed, Mar 2, 2022 at 10:20 AM

To: nopparat@mdpi.com

Cc: "A.P. Irawan" &lt;agustinus@untar.ac.id&gt;, "D.F. Fitriyana" &lt;deniifa89@mail.unnes.ac.id&gt;, "Tezara Cionita Dr." &lt;tezara.cionita@newinti.edu.my&gt;

Dear Mr. Nopparat Komrapit,

For your information, I just finished revising my manuscript today. I just sent the manuscript to proofreading this morning. The editing estimation process will be completed on February 8, 2022. In this regard, I require more time to submit the revision into the system. Thank you so much for your time and consideration.

--  
Best Regards,

**Dr. Januar Parlaungan Siregar**

Senior Lecturer

Department of Mechanical Engineering

College of Engineering

Universiti Malaysia Pahang, 26300 Gambang

Kuantan, Pahang Darul Makmur

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Fax: 09-424 6222

Mobile No: +601065201

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Agustinus Purna Irawan &lt;agustinus@untar.ac.id&gt;

---

**Re: [Polymers] Manuscript ID: polymers-1608100 - Revision Reminder - More Time**

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nopparat@mdpi.com &lt;nopparat@mdpi.com&gt;

Wed, Mar 2, 2022 at 10:31 AM

To: "JANUAR PARLAUNGAN SIREGAR ." &lt;januar@ump.edu.my&gt;

Cc: "A.P. Irawan" &lt;agustinus@untar.ac.id&gt;, "D.F. Fitriyana" &lt;deniifa89@mail.unnes.ac.id&gt;, "Tezara Cionita Dr." &lt;tezara.cionita@newinti.edu.my&gt;

Dear Dr. Siregar,

Thank you for your reply. We can wait to receive your revised version on February 8th.

Once you finished, please upload it via this link below:

<https://susy.mdpi.com/user/manuscripts/resubmit/7fa4743fd96e7cc83d2e48adba657847>

We will look forward to hearing from you soon.

Best regards,

Mr. Nopparat Komrapit  
Assistant Editor  
Email: [nopparat@mdpi.com](mailto:nopparat@mdpi.com)

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On 3/2/2565 10:20, JANUAR PARLAUNGAN SIREGAR . wrote:

Dear Mr. Nopparat Komrapit,

For your information, I just finished revising my manuscript today. I just sent the manuscript to proofreading this morning. The editing estimation process will be completed on February 8, 2022. In this regard, I require more time to submit the revision into the system. Thank you so much for your time and consideration.

--

Best Regards,

\*

\*

\*Dr. Januar Parlaungan Siregar\*  
Senior Lecturer  
Department of Mechanical Engineering  
College of Engineering  
Universiti Malaysia Pahang, 26300 Gambang  
Kuantan, Pahang Darul Makmur  
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WhatsApp No: +60192918384

On Wed, Mar 2, 2022 at 10:37 AM Polymers Editorial Office <[polymers@mdpi.com](mailto:polymers@mdpi.com)> <<mailto:polymers@mdpi.com>>> wrote:

Dear Dr. Siregar,

Sorry for disturbing you. We sent a revision reminder for the following manuscript.

Manuscript ID: polymers-1608100

Type of manuscript: Review

Title: Overview of the Important Factors Influencing the Performance of Eco-Friendly Brake Pads

Authors: A.P. Irawan \*, D.F. Fitriyana \*, C. Tezara \*, J.P. Siregar \*, D.

Laksmidewi, G.D. Baskara, M.Z. Abdullah, R. Junid, A.E. Hadi, M.H.M. Hamdan, N. Najid

Received: 7 February 2022

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<<mailto:ramli@ump.edu.my>>, [efriyo@malahayati.ac.id](mailto:efriyo@malahayati.ac.id)

<<mailto:efriyo@malahayati.ac.id>>, [hazim.hamdan@firstcity.edu.my](mailto:hazim.hamdan@firstcity.edu.my)

<<mailto:hazim.hamdan@firstcity.edu.my>>, [najid@ft.untar.ac.id](mailto:najid@ft.untar.ac.id)

<<mailto:najid@ft.untar.ac.id>>

Submitted to section: Circular and Green Polymer Science,

[https://www.mdpi.com/journal/polymers/sections/Circ\\_Green](https://www.mdpi.com/journal/polymers/sections/Circ_Green)

High-Performance Biocomposite Reinforced by Natural Fibers

[https://www.mdpi.com/journal/polymers/special\\_issues/high\\_perform\\_biocompos\\_reinf\\_nat\\_fiber](https://www.mdpi.com/journal/polymers/special_issues/high_perform_biocompos_reinf_nat_fiber)

May we kindly ask you to update us on the progress of your revisions? If you have finished your revisions, please upload the revised version together with your responses to the reviewers as soon as possible. If you need more time for revision, please feel free to let us know with the date you may finished.

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Thank you in advance for your kind cooperation and we look forward to hearing from you soon.

Kind regards,

Mr. Nopparat Komrapit

Assistant Editor

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Tue, Mar 8, 2022 at 11:34 PM

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Dear Dr. Siregar,

Thank you very much for resubmitting the modified version of the following manuscript:

Manuscript ID: polymers-1608100

Type of manuscript: Review

Title: Overview of the Important Factors Influencing the Performance of Eco-Friendly Brake Pads

Authors: A.P. Irawan \*, D.F. Fitriyana \*, C. Tezara \*, J.P. Siregar \*, D. Laksmidewi, G.D. Baskara, M.Z. Abdullah, R. Junid, A.E. Hadi, M.H.M. Hamdan, N. Najid

Received: 7 February 2022

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Manuscript ID: polymers-1608100

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Authors: A.P. Irawan \*, D.F. Fitriyana \*, C. Tezara \*, J.P. Siregar \*, D. Laksmidewi, G.D. Baskara, M.Z. Abdullah, R. Junid, A.E. Hadi, M.H.M. Hamdan, N. Najid

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Manuscript ID: polymers-1608100

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Authors: A.P. Irawan \*, D.F. Fitriyana \*, C. Tezara \*, J.P. Siregar \*, D. Laksmidewi, G.D. Baskara, M.Z. Abdullah, R. Junid, A.E. Hadi, M.H.M. Hamdan, N. Najid

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Kind Regards,

J.P. Siregar  
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Best Regards,



**Dr. Januar Parlaungan Siregar**

Senior Lecturer

Department of Mechanical Engineering

College of Engineering

Universiti Malaysia Pahang, 26300 Gambang

Kuantan, Pahang Darul Makmur

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Received: 7 February 2022

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Dwinita Laksmidewi; Gregorius Dimas Baskara;  
Mohd Zulkfly Abdullah; Ramli Junid; Agung Efriyo Hadi; Mohammad Hazim Mohamad  
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Published in:

*Polymers* 2022, Volume 14, Issue 6, 1180



Agustinus Purna Irawan &lt;agustinus@untar.ac.id&gt;

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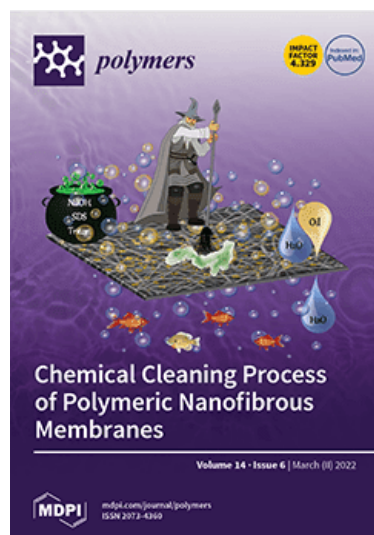
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Aysegul Gul, Jakub Hruza, Lukas Dvorak and Fatma Yalcinkaya

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Olga Fedotova, Dmitry Myalenko, Nataliya Pryanichnikova, Elena Yurova and Evgeniya Agarkova

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