

# Journal of Applied Science and Engineering - Manuscript ID JASE-2022-0029

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**Jessica Ouedraogo**  
<[onbehalfof@manuscriptcentral.com](mailto:onbehalfof@manuscriptcentral.com)>

Thu, Jan 13, 2022,  
2:26 PM

to me

13-Jan-2022

Dear Dr. Nasir:

Your manuscript entitled "Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System" has been successfully submitted online and is presently being given full consideration for publication in the Journal of Applied Science and Engineering.

Your manuscript ID is JASE-2022-0029.

Please mention the above manuscript ID in all future correspondence or when calling the office for questions. If there are any changes in your street address or e-mail address, please log in to ScholarOne Manuscripts at <https://mc04.manuscriptcentral.com/jase> and edit your user information as appropriate.

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Thank you for submitting your manuscript to the Journal of Applied Science and Engineering.

Sincerely,  
Journal of Applied Science and Engineering Editorial Office

# Journal of Applied Science and Engineering - JASE-2022-0029 has been unsubmitted

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**Jessica Ouedraogo**  
<onbehalf@manuscriptcentral.com>

Fri, Jan 14, 2022,  
1:41 PM

to me

14-Jan-2022

Dear Dr. Nasir:

Your manuscript, JASE-2022-0029, entitled "Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System" has been unsubmitted to the Journal of Applied Science and Engineering.

Please follow the requirements of our journal (cover letter, template, etc...) as explained on our website : <http://jase.tku.edu.tw/authors/instructions>

In the cover letter, the authors should identify the research categories of the manuscript. Also, four reviewers with their academic email addresses (with at least two from countries other than yours) should be suggested for your manuscript. Please include up to date information on the academic email address, title, and the institution of the suggested reviewers.

Please visit the instructions to authors to complete your submission and re-submit the manuscript for consideration of publication. You may contact the Editorial Office if you have further questions.

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Journal of Applied Science and Engineering Editorial Office

# Journal of Applied Science and Engineering - Manuscript ID JASE-2022-0029

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**Jessica Ouedraogo**  
<onbehalf@manuscriptcentral.com>

Fri, Jan 14, 2022,  
7:33 PM

to me

14-Jan-2022

Dear Dr. Nasir:

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Journal of Applied Science and Engineering Editorial Office

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7:33 PM

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2. An accepted manuscript will be published under an open access Creative Commons CC BY license (<https://creativecommons.org/licenses/by/4.0/>).

Thank you for submitting your manuscript to the Journal of Applied Science and Engineering.

Sincerely,  
Journal of Applied Science and Engineering Editorial Office

# Journal of Applied Science and Engineering - Decision on Manuscript ID JASE-2022-0029

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**Chi-Wang Li**  
<[onbehalf@manuscriptcentral.com](mailto:onbehalf@manuscriptcentral.com)>

Mon, Mar 14, 2022,  
8:01 AM

to me

13-Mar-2022

Dear Dr. Nasir:

Manuscript ID JASE-2022-0029 entitled "Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System" which you submitted to the Journal of Applied Science and Engineering, has been reviewed. The comments of the reviewer(s) are included at the bottom of this letter.

The reviewer(s) have recommended publication, but also suggest some minor revisions to your manuscript. Therefore, I invite you to respond to the reviewer(s)' comments and revise your manuscript.

To revise your manuscript, log into <https://mc04.manuscriptcentral.com/jase> and enter your Author Center, where you will find your manuscript title listed under "Manuscripts with Decisions." Under "Actions," click on "Create a Revision." Your manuscript number has been appended to denote a revision.

You may also click the below link to start the revision process (or continue the process if you have already started your revision) for your manuscript. If you use the below link you will not be required to login to ScholarOne Manuscripts.

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You will be unable to make your revisions on the originally submitted version of the manuscript. Instead, revise your manuscript using a word processing program (or in latex format) and save it on your computer. Please also highlight the changes to your manuscript within the document by using the track changes mode in MS Word or by using bold or

colored text.

Once the revised manuscript is prepared, you can upload it and submit it through your Author Center. Please upload two files, a clean version of your manuscript and another one where you have marked the correction as explained above.

When submitting your revised manuscript, you will be able to respond to the comments made by the reviewer(s) in the space provided. You can use this space to document any changes you make to the original manuscript.

In order to expedite the processing of the revised manuscript,

1. your response to the reviewers' comments should be as specific as possible, and
2. you should provide your point-by-point response in a separate file.
3. Meanwhile, please double-check the accuracy of your cited references. There are several free reference management software available. Please use it to make sure the accuracy of citation.

**IMPORTANT:** Your original files are available to you when you upload your revised manuscript. Please delete any redundant files before completing the submission.

Because we are trying to facilitate timely publication of manuscripts submitted to the Journal of Applied Science and Engineering, your revised manuscript should be submitted by 03-Apr-2022. 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 the Journal of Applied Science and Engineering and I look forward to receiving your revision.

Sincerely,

Prof. Chi-Wang Li

Editor-in-Chief, Journal of Applied Science and Engineering

[chiwangli@gmail.com](mailto:chiwangli@gmail.com), [chiwang@mail.tku.edu.tw](mailto:chiwang@mail.tku.edu.tw)

Reviewer(s)' Comments to Author:

Reviewer: 1

Comments to the Author

The manuscript entitled “Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System” is a manuscript that discusses a very relevant topic and is in line with the scope of the Journal of Applied Sciences and Engineering. However, the manuscript requires minor revision in terms of the following comments:

1. The manuscript requires effective English correction in terms of grammar, sentence

making, and typo errors.

2. The reviewer suggests the authors to provide error bars to the different column/ bar graphs given in the manuscript.
3. It would be better to provide the ceramic filter composition in tabulated form.
4. Provide brief description about the ceramic filter permeate flux. The authors can refer to the following articles:
  - a. <https://doi.org/10.1016/j.seppur.2018.11.029>
  - b. <https://doi.org/10.1016/j.seppur.2020.117247>
  - c. <https://doi.org/10.1002/app.45290>
  - d. <https://doi.org/10.1016/j.eti.2020.101059>
  - e. <https://doi.org/10.1016/j.jwpe.2016.10.001>

Reviewer: 2

Comments to the Author

Comments:

In this manuscript, a cylindrical tube shaped ceramic filter was employed for produced water treatment and the result showed that activation of the RCC spent catalyst could increase the total removal of TDS, phenol, and barium from produced water. However, there are several questions about the work that need to be addressed before publication:

- What is the novelty in this study?
- Page 4: Please explain in more detail why the author uses a ceramic filter from the RCC spent catalyst in combination with RO to treat produced water?
- Section 2.2. Ceramic filter composition: The author should provide a table to summarize the composition of Ceramic filters.
- The author should move “3.1. Produced water characterization” to “2.1. Materials”.
- Line 161-163: “the TDS of RO permeate was obtained from 1,650 to 2,290 mg/L. It shows that the TDS permeate value obtained has met the environmental quality standards regulated in the regulation”. What is the standard? Basically, TDS permeate in drinking water is less than 500 mg/L, but in this study, the TDS of RO permeate was obtained from 1,650 to 2,290 mg/L, please check?
- Please explain in more detail: why ceramic filter D could lower TDS than other filters?
- Page 19: why did the peak of N (2.54% of mass) appear in ceramic filters after used?

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- Page 19: why did the peak of N (2.54% of mass) appear in ceramic filters after used?



## Final manuscript, Figures and References

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**subriyer Nasir** <subriyer@unsri.ac.id> Wed, May 11, 2022, 3:46 PM

to jase2830

Dear Editor in-Chief  
Journal of Applied Science and Engineering  
Prof. Chi-Wang Li

Thank you very much for your consideration to publish our article entitled "Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System" in the Journal of Applied Science and Engineering.

Please find the attached files of the final manuscript, figures and references.

Thank you for your attention and help.

Prof. Subriyer Nasir, PhD  
Dean of Engineering Faculty  
Sriwijaya University  
Jl. Palembang Prabumulih Km 32 Indralaya Ogan Ilir, South Sumatra. INDONESIA

**Reminder: Journal of Applied Science and Engineering**

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**Jessica Ouedraogo**  
<[onbehalf@manuscriptcentral.com](mailto:onbehalf@manuscriptcentral.com)>

Mon, Mar 21, 2022,  
12:33 PM

to me

21-Mar-2022

Dear Dr. Nasir:

Recently, you received a decision on Manuscript ID JASE-2022-0029, entitled "Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System." The manuscript and decision letter are located in your Author Center at <https://mc04.manuscriptcentral.com/jase>.

This e-mail is simply a reminder that your revision is due in two weeks. If it is not possible for you to submit your revision within two weeks, we will consider your paper as a new submission.

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Sincerely,  
Jessica Ouedraogo  
Journal of Applied Science and Engineering Editorial Office  
[jase2830@gmail.com](mailto:jase2830@gmail.com)

# Journal of Applied Science and Engineering - Manuscript ID JASE-2022-0029.R1

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**Jessica Ouedraogo**  
<[onbehalf@manuscriptcentral.com](mailto:onbehalf@manuscriptcentral.com)>

Sun, Apr 3, 2022,  
10:47 PM

to me

03-Apr-2022

Dear Dr. Nasir:

Your manuscript entitled "Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System" has been successfully submitted online and is presently being given full consideration for publication in the Journal of Applied Science and Engineering.

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Thank you for submitting your manuscript to the Journal of Applied Science and Engineering.

Sincerely,  
Journal of Applied Science and Engineering Editorial Office

## Final manuscript, Figures and References

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**subriyer Nasir** <[subriyer@unsri.ac.id](mailto:subriyer@unsri.ac.id)> Wed, May 11, 2022, 3:46 PM

to jase2830

Dear Editor in-Chief  
Journal of Applied Science and Engineering  
Prof. Chi-Wang Li

Thank you very much for your consideration to publish our article entitled "Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System" in the Journal of Applied Science and Engineering.

Please find the attached files of the final manuscript, figures and references.

Thank you for your attention and help.

Prof. Subriyer Nasir, PhD  
Dean of Engineering Faculty  
Sriwijaya University  
Jl. Palembang Prabumulih Km 32 Indralaya Ogan Ilir, South Sumatra. INDONESIA

3 Attachments • Scanned by Gmail

## Journal of Applied Science and Engineering - Decision on Manuscript ID JASE-2022-0029.R1

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**Chi-Wang Li** <[onbehalfof@manuscriptcentral.com](mailto:onbehalfof@manuscriptcentral.com)> Mon, May 2, 2022, 7:12 AM

to me

01-May-2022

Dear Dr. Nasir:

It is a pleasure to accept your manuscript entitled "Produced Water Treatment using the Residue Catalytic Cracking (RCC) Spent Catalyst as Ceramic Filter Material Integrated with Reverse Osmosis (RO) System" in its current form for publication in the Journal of Applied Science and Engineering. The comments of the reviewer(s) who reviewed your manuscript are included at the foot of this letter.

To avoid the delay of publication, the Journal Editorial Board encourages you to send us the following materials to [jase2830@gmail.com](mailto:jase2830@gmail.com):

1. The final version of the manuscript [file in Word or Latex format and doesn't indicate the changes].
2. Figures from your manuscript in JPEG or PNG format.
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Thank you for your fine contribution. On behalf of the Editors of the Journal of Applied Science and Engineering, we look forward to your continued contributions to the Journal.

Sincerely,  
Prof. Chi-Wang Li  
Editor-in-Chief, Journal of Applied Science and Engineering

**Pollution Journal - Galley Proof of Manuscript ID: 1-POLL-202201-1343 (R1)**

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Imajgaran  
Danesh

Imajgaran Danesh

Fri, Jul 8, 2022, 10:00 PM

Manuscript ID: 1-POLL-202201-1343 (R1) Manuscript Title: Application of Ceramic Filter and Reverse Osmosis Membrane for Produced Water Treatment Authors: Rara E



Imajgaran  
Danesh

**Imajgaran Danesh** <imajgaranedanesh@gmail.com> Fri, Jul 8, 2022, 10:03 PM

to me

One attachment • Scanned by Gmail



Imajgaran  
Danesh

**Imajgaran Danesh** <imajgaranedanesh@gmail.com> Sat, Jul 23, 2022, 4:28 PM

to **subriyer**, me

**Manuscript ID:** 1-POLL-202201-1343 (R1)

**Manuscript Title:** Application of Ceramic Filter and Reverse Osmosis Membrane for Produced Water Treatment

**Authors:** Rara Eka Dyla Putri<sup>1</sup>, Subriyer Nasir<sup>2\*</sup> and Fitri Hadiyah<sup>2</sup>

Dear Dr. Subriyer Nasir

We are pleased to inform you that your paper for the Pollution journal is ready for publication.

Attached, you will find the Galley Proof file Please read and revise the Galley Proof carefully within 72 hours, if required to be corrected. Therefore, all new corrections must be highlighted with RED fonts to be recognized by the editor.

Failure to send a reply means the article has been approved for online printing.

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Pollution

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