



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

## Journal of Applied Electrochemistry: Invitation from Dr Alvarez Pugliese to review a manuscript

1 message

**Journal of Applied Electrochemistry** <do-not-reply@springernature.com>

Thu, Sep 22, 2022 at 9:38 AM

To: rikataslim@gmail.com

**\*\*The contents of this email are confidential.\*\***

Ref: Submission ID c5f785ad-f9c8-403f-ad8b-79ee0be586ff

Dear Dr Taslim,

I'd like to invite you to review a manuscript for Journal of Applied Electrochemistry. You'll find the details appended underneath this email.

Please accept or decline the manuscript using the link below.

Kind regards,

Christian Alvarez Pugliese  
Editor  
Journal of Applied Electrochemistry

To accept or decline the manuscript, please use this link:

<https://reviewer-feedback.nature.com/review-invitation/36463a7c-e90d-473f-b5f7-2176c99ffdbc>

If you wish to contact us about the manuscript, please email [dharani.rathinavel@springernature.com](mailto:धारणी.रथिनावेल@springernature.com).

### Submission details

#### Authors:

Sowmya R Holla, Yashaswini Shetty, Sangeetha D N, Selvakumar M

#### Title:

"TERNARY COMPOSITE ELECTRODE CARBON FIBER/MnO<sub>2</sub> /POLYANILINE FOR SUPERCAPACITOR APPLICATIONS BASED ON NATURALLY AVAILABLE BROOM AND BAMBOO STICKS"

#### Abstract:

In the present study, energy harvesting is done from carbon fibers (CFs) synthesized using a naturally available broomstick and bamboo stick. The broom and bamboo sticks have been reprocessed in an alkaline solution using a controlled hydrothermal method. The carbonization of the cellulose fibers resulted in the production of CFs. The synthesized CFs have been used to prepare a ternary composite electrode with MnO<sub>2</sub> and polyaniline (PA). Thus, prepared ternary composite electrodes were used for the supercapacitor application. The Supercapacitor with a maximum specific capacitance (SC) of 373 F/g (from Broomstick) and 132 F/g (from the bamboo stick) was fabricated, which showed good cycling stability. The structural properties of the electrode materials were confirmed using X-ray diffraction, scanning electron microscopy, EDAX, BET adsorption-desorption experiment, and Fourier transform infrared spectroscopy techniques. The fabricated symmetrical electrode's supercapacitor properties were analyzed using cyclic voltammetry (CV), electrochemical impedance, and galvanostatic charge-discharge (GCD) cycling technique.

To accept or decline the manuscript, please use this link:

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Reviewing for Journal of Applied Electrochemistry

Journal of Applied Electrochemistry is committed to providing a rapid and fair review process. So, if you decide to accept the manuscript, we would hope to receive your report at your earliest convenience.

The editorial board and publishing team of Journal of Applied Electrochemistry are not able to anticipate all potential competing interests, so we ask you to draw our attention to anything that might affect your review, and to decline

5/3/23, 11:09 AM

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submissions where it may be hard to remain objective.

If you would prefer us not to contact you in the future, please let us know by emailing [dharani.rathinavel@springernature.com](mailto:dharani.rathinavel@springernature.com).



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

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**Journal of Applied Electrochemistry: Thank you for your review on TERNARY COMPOSITE ELECTRODE CARBON FIBER/MnO 2 /POLYANILINE FOR SUPERCAPACITOR APPLICATIONS BASED ON NATURALLY AVAILABLE BROOM AND BAMBOO STICKS**

2 messages

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**Journal of Applied Electrochemistry** <dharani.rathinavel@springernature.com>

Wed, Oct 5, 2022 at 9:09 PM

To: rikataslim@gmail.com

Ref: "TERNARY COMPOSITE ELECTRODE CARBON FIBER/MnO 2 /POLYANILINE FOR SUPERCAPACITOR APPLICATIONS BASED ON NATURALLY AVAILABLE BROOM AND BAMBOO STICKS"

Dear Dr Rika Taslim,

Thank you for submitting your report to Journal of Applied Electrochemistry. We greatly value the time and effort you put into reviewing the manuscript.


We've attached a copy of the report for your reference. You can also use this email to verify your review activity with third party websites, such as Publons.

Thanks again for your review; we'll email you the decision on the manuscript as soon as it is made. Meanwhile, we hope that we can continue to benefit from your expertise in the future.

Kind regards,

Editorial Assistant  
Journal of Applied Electrochemistry

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**Rika Taslim** <rikataslim@gmail.com>

Thu, Oct 27, 2022 at 11:08 PM

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