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1 message

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To: m.zakki.fahmi@fst.unair.ac.id

Sat, May 4, 2019 at 5:09 PM

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Ms. Ref. No.: MATCHEMPHYS-D-19-01475
Title: Human Serum Albumin Capsulated Hydrophobic Carbon Nanodots as Staining Agent on HeLa Tumor Cell
Materials Chemistry and Physics

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Your submission entitled "Human Serum Albumin Capsulated Hydrophobic Carbon Nanodots as Staining Agent on HeLa Tumor Cell" has been assigned the following manuscript number: MATCHEMPHYS-D-19-01475.

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Your Submission

1 message

An-Chung SU <eesserver@eesmail.elsevier.com>
Reply-To: An-Chung SU <acsu@mx.nthu.edu.tw>
To: m.zakki.fahmi@fst.unair.ac.id

Tue, Aug 13, 2019 at 10:12 PM

Ms. Ref. No.: MATCHEMPHYS-D-19-01475R1
Title: Human Serum Albumin Capsulated Hydrophobic Carbon Nanodots as Staining Agent on HeLa Tumor Cell
Materials Chemistry and Physics

Dear zakki,

Reviewers have now commented on your paper. You will see that they are advising that you revise your manuscript. If you are prepared to undertake the work required, I would be pleased to reconsider my decision.

For your guidance, reviewers' comments are appended below.

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. Your revised manuscript should be submitted within 30 days.

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Yours sincerely,

An-Chung SU, PhD
Editor
Materials Chemistry and Physics
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Reviewers' comments:

Comments from the Handling Editor (A.C. Su):

Reviewers #2 and #3 did not respond to our invitation for a 2nd-round review; hence I invited Reviewers #4 and #5 as replacements.

Both Reviewers #1 and #5 consider the revised version satisfactory; in contrast, Reviewer #4 is more stringent and has provided a long list of defects to be rectified. I would therefore look forward to a further revised version with all these relatively minor (yet still significant in terms of scientific clarity/rigor/depth) issues resolved. In addition, I would suggest the preparation for a Graphical Abstract to attract attention from general readers.

During revision, please kindly be reminded to incorporate in the text the responses to the referee's comments. Only the NEW changes need to be highlighted (using colored letters or yellow background) for easy identification by me and the referee in the 3rd-round review.

Reviewer #1:

This reviewer finds the current version satisfactory, which can now be accepted as is.

Reviewer #4:

The following corrections could improve the quality of the work.

1. It is required to provide TGA data to know about the thermal stability of the CD.
2. What are the effects of UV-Vis and PL emission profiles in varying pHs?
3. "The optical properties of CDs and CDs-HSA were observed using adsorption and photoluminescence spectroscopy...". UV-Vis spectra basically deal with the absorption of light of certain wavelength. So, "adsorption" must be replaced by "absorption".
4. Probable reason for hydrophobicity of CDs may be mentioned.
5. The UV-Vis spectral description is unclear. The generated peak at 278 nm is responsible for what kind of transition, $n \rightarrow \pi^*$ or $\pi \rightarrow \pi^*$ transition?
6. The appropriate concentration for the spectral studies should be mentioned.
7. "The photoluminescence (PL) spectra of CDs with varied excitation wavelength (340- 440 nm) indicating that the CDs had a multicolor photoluminescence emission". What is meant by multicolor emission? If the emission color is changed, mention the exact color and provide photographs accordingly.
8. The PXRD pattern of CDs-HSA should be provided.
9. The detailed procedure for cytotoxicity assay should be mentioned.
10. A comparative table concerning the performance of relevant CDs should be provided.
11. What is the probable reason for which CDs are PL-active?
12. A comparative cell imaging study may be performed with the blank HSA to explain better capability of CD-HSA than free CDs or free HSA to clarify the relevance of using the composite.
13. Vertical and diagonal view of the surface of CDs and CDs-HSA in AFM images may be provided.
14. "When UV radiation (365 nm) was given to this solution, the colors changes to intense blue, as shown on inset of Fig. 3." The color changed to blue from what? What was the emission color of bare CDs?
15. The authors may provide morphological study of CDs and CD-HSA.

16. How much the IC50 value for CDs-HSA conjugate?

17. Zeta potential is also an important parameter to acquire idea about the surface charge. Zeta potential of CDs and CD-HSA should be provided.

18. There are lots of typos and severe grammatical errors in the whole manuscript. The authors should carefully polish/proofread the entire text.

NOTE: The reviewer(s) may also have uploaded detailed comments on your manuscript as an attachment. To access these comments, please go to: <https://ees.elsevier.com/matchemphys/> Your username is: m.zakki.fahmi@fst.unair.ac.id. If you need to retrieve password details, please go to: http://ees.elsevier.com/matchemphys/automail_query.asp

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Thu, Oct 3, 2019 at 2:05 PM

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Article title: Human Serum Albumin Capsulated Hydrophobic Carbon Nanodots as Staining Agent on HeLa Tumor Cell
Reference: MAC_122266
Journal title: Materials Chemistry and Physics
Article Number: 122266
Corresponding author: Professor mochamad zakki fahmi
First author: Dr. mochamad zakki fahmi
Dear Professor fahmi,

Your article Human Serum Albumin Capsulated Hydrophobic Carbon Nanodots as Staining Agent on HeLa Tumor Cell will be published in Materials Chemistry and Physics.

To track the status of your article throughout the publication process, please use our article tracking service:

<https://authors.elsevier.com/tracking/article/details.do?aid=122266&jid=MAC&surname=fahmi>

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3 messages

A.Achuthan@elsevier.com <A.Achuthan@elsevier.com>

Wed, Oct 9, 2019 at 8:52 AM

To: m.zakki.fahmi@fst.unair.ac.id

Our reference: MAC 122266

Article reference: MAC_MATCHEMPHYS-D-19-01475

Article title: Human Serum Albumin Capsulated Hydrophobic Carbon Nanodots as Staining Agent on HeLa Tumor Cell

To be published in: Materials Chemistry and Physics

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Congratulations on having your article accepted.

We have now received your manuscript in production and would like to begin the typesetting process.

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Mochamad Zakki Fahmi <m.zakki.fahmi@fst.unair.ac.id>

Wed, Oct 9, 2019 at 9:59 AM

To: A.Achuthan@elsevier.com

Dear Editor,

Please find attached file as my DOCI file following your request. Thank you

Best Regards,

Mochamad Zakki Fahmi, Ph.D (張家其)
Assistant Professor, Departement of Chemistry
Universitas Airlangga
Phone : +62-838-32901697
Email : m.zakki.fahmi@fst.unair.ac.id



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Achuthan, Arivalagan (ELS-CON) <A.Achuthan@elsevier.com>
To: Mochamad Zakki Fahmi <m.zakki.fahmi@fst.unair.ac.id>

Wed, Oct 9, 2019 at 11:00 AM

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Regards,

Surjith (On behalf of Arivalagan)

Journal Administrator

Elsevier

Email : a.achuthan@elsevier.com

From: Mochamad Zakki Fahmi <m.zakki.fahmi@fst.unair.ac.id>

Sent: 9 October, 2019 8:30

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Subject: Re: Publication of your article [MAC_122266] in Materials Chemistry and Physics is on hold due to file problems

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Thank you

Best Regards,

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