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# shawnam rashied jalal [<shawnam.jalal@su.edu.krd>](mailto:shawnam.jalal@su.edu.krd)

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1 message

**Materials Science and Technology** [<em@editorialmanager.com>](mailto:em@editorialmanager.com) Sun, Dec 4, 2022 at 11:14 PM Reply-To: Materials Science and Technology [<ymst-peerreview@journals.tandf.co.uk>](mailto:ymst-peerreview@journals.tandf.co.uk)

To: shawnam rashied jalal [<shawnam.jalal@su.edu.krd>](mailto:shawnam.jalal@su.edu.krd)

MST19547

Enhanced thermal and mechanical properties of electrospun Al2O3/WC/PA6 hybrid nanofibers Materials Science and Technology

Dear Dr. jalal

Thank you for agreeing to review the above manuscript for Materials Science and Technology. We should be grateful if you could comment on its technical merit and suitability for publication. Please submit your comment online according to the instructions below. I would appreciate receiving your review by 25 Dec 2022.

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With kind regards Nick Jones

Editor

Materials Science and Technology

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**shawnam rashied jalal** [**<shawnam.jalal@su.edu.krd>**](mailto:shawnam.jalal@su.edu.krd)

**Invitation to review MST19547, Materials Science and Technology**

1 message

**Nick Jones** [<em@editorialmanager.com>](mailto:em@editorialmanager.com) Wed, Nov 30, 2022 at 3:24 PM Reply-To: Nick Jones [<ngj22@cam.ac.uk>](mailto:ngj22@cam.ac.uk)

To: shawnam rashied jalal [<shawnam.jalal@su.edu.krd>](mailto:shawnam.jalal@su.edu.krd)

MST19547

Enhanced thermal and mechanical properties of electrospun Al2O3/WC/PA6 hybrid nanofibers Ali Hosseinian Naeini

Materials Science and Technology Dear Dr. jalal,

We have received the above submission to Materials Science and Technology, and it has passed an initial evaluation by the journal Editor.

I would be particularly grateful for your help in reviewing this manuscript. The abstract follows below, and you can view the entire PDF file at: [View Submission](https://www.editorialmanager.com/mst/l.asp?i=387148&l=IQKPMBVF).

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With kind regards, on behalf of,

Nick Jones Editor

ABSTRACT

This abstract of this submission is as follows:

Here, we electrospun four groups of nanofibers. The first group was pure nanofibers without any additives to select optimal nanofibers that have a minimum diameter ,and flawless structure. t this stage, the solution containing by 16% weight of polyamide 6 was selected for further research. The second group of nanofibers containing tungsten carbide, the third group of nanofibers containing alumina, and the fourth group of hybrid nanofibers containing both tungsten carbide

,and alumina additives. To explore the morphology of the hybrid nanofibers, SEM, FESEM ,and EDX analyses and for thermal stability, DSC ,and TGA analyzes were performed. The tensile test was also used to explore the mechanical properties of both pure ,and hybrid nanofibrous mats.

Materials Science and Technology is edited by Dr R. Rana, Tata Steel, The Netherlands, Professor Kip Findley, Colorado School of Mines, USA and Dr. Nick Jones, University of Cambridge, UK. The journal is published by Taylor and Francis on behalf of the Institute of Materials, Minerals and Mining (IOM3).

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