|  |  |
| --- | --- |
| Salahaddin University-Erbil Mail | **shawnam rashied jalal <shawnam.jalal@su.edu.krd>** |

|  |
| --- |
| **Reviewer Invitation for Employing Aluminum Matrix Composite for Stir Casting Process for Investigating the performance of AI-6061** 1 message |

|  |  |
| --- | --- |
| **Advances in Materials & Processing Technologies**<em@editorialmanager.com> | Fri, Nov 25, 2022 at 8:26 PM |
| Reply-To: Advances in Materials & Processing Technologies <tmpt-peerreview@journals.tandf.co.uk>  To: shawnam rashied jalal <shawnam.jalal@su.edu.krd> | |
| |  | | --- | | Nov 25, 2022  Dear Dr jalal,  You have been invited to review a manuscript for Advances in Materials and Processing Technologies.  I would be grateful if you would review a paper entitled "Employing Aluminum Matrix Composite for Stir Casting Process for Investigating the performance of AI-6061" for this journal.  This is the abstract: It is necessary to select an appropriate alloy for enhancing various performances like machinability, surface quality, workability as well as extrudability. The few generally utilized industrial abrasives are aluminum oxide, boron nitride, diamond, silicon carbide, etc. In this paper, an aluminum matrix composite is employed for the stir casting process due to high rate of flexibility, minimum cost, easy management structure properties as well as mass production. Here, aluminium 6061 alloy incorporated with 3, 6 and 9% of titanium carbide (i.e. Al6061 with 3, 6 and 9% TiC) is investigated and computed for various factors namely actual density rate, impact energy rate as well as Rockwell hardness (i.e. Rockwell hardness B –HRB and Rockwell hardness C –HRC). Finally, the experimentation is carried out using MINITAB software and this type of software is mainly employed for multivariate investigations which involve designing the response surface. Here, three different tests are conducted and the mean value is obtained for three different types of material composition namely Al6061+3%TiC, Al6061+6% TiC and Al6061+9% TiC. Hence, from the evaluation results, it is revealed that Al6061+9% TiC composition provides better results in terms of density, impact energy as well as Rockwell hardness rate.  If you would like to review this paper, please click this link:  [Agree to Review](https://www.editorialmanager.com/tmpt/l.asp?i=125731&l=LFKYAYSC) \*  If you do not wish to review this paper, please click this link:  [Decline to Review](https://www.editorialmanager.com/tmpt/l.asp?i=125732&l=RMPBU8BQ) \*  If the above links do not work, please go to <https://www.editorialmanager.com/tmpt/>. Your User Name is shawnam rashiedjalal and your password can be set at this link: [click here to create your password and login](https://www.editorialmanager.com/tmpt/l.asp?i=125733&l=OCP7F46F).  The manuscript reference is TMPT-2022-0648.  If possible, I would appreciate receiving your review in 30 days.  You may submit your comments online at the above URL.  There you will find spaces for confidential comments to the editor, comments for the author and a report form to be completed.  ***We are delighted to inform you that Advances in Materials and Processing Technologies Journal has now moved up to Quartile 2 (Q2) category from Q3 in the most recent Scimago Journal Ranking (SJR). For further information, please follow the link.***[***https://www.scimagojr.com/journalsearch.php?q=21100902866&tip=sid&clean=0***](https://www.scimagojr.com/journalsearch.php?q=21100902866&tip=sid&clean=0)  ***On behalf of all Editors and Board members, we would like to convey our sincere appreciation to all the reviewers for their contributions and continuous support during this journey in improving the quality of the journal. Now, you have even greater responsibility to maintain the standard by providing critical and constructive feedback to your peers.***  We are collaborating with Publons to give you the recognition you deserve for your peer review contributions. On Publons you can effortlessly track, verify and showcase your review work and expertise without compromising anonymity. [Sign up](https://publons.com/account/signup/) now for free so when you complete any reviews they can be instantly added to your profile.  With kind regards  On-Behalf of  Priyabrata Banerjee, Ph.D. Executive Editor    *In compliance with data protection regulations, you may request that we remove your personal registration details at any time.*[*(Remove my information/details)*](https://www.editorialmanager.com/tmpt/login.asp?a=r)*. Please contact the publication office if you have any questions.* | | |