



Particulate Aluminum Matrix Composites: From Fundamentals to Applications, Volume II

Guest Editors:

Prof. Dr. Hongseok Choi

School of Mechanical and
Automotive Engineering,
Clemson University, Clemson, SC
29631, USA

Prof. Dr. Oscar Marcelo Suárez

Department of Engineering
Science and Materials, University
of Puerto Rico-Mayagüez, P. O.
Box 9000, Mayagüez, PR 00681,
USA

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editors

Among composite materials, particulate aluminum matrix composites (PAMC) stand out not only for their high strength-to-low density ratio but also for their versatility and multifunctionality that widened the range of their applications. The possibility of incorporating ceramic particles such as oxides, carbides, or nitrides enhances the various properties of these composites. This Special Issue seeks to collect an assortment of investigations related to the processing of PAMC, the effect of the reinforcement/matrix interfaces on the mechanical properties, and novel applications of these materials. Manuscripts on characterization of these materials are welcome in the Special Issue. Numerical modeling and computational simulation as well as experimental evaluation of these composites are also welcomed in submitted manuscripts. Researchers working on novel approaches that stimulate groundbreaking applications of these versatile materials are particularly encouraged to submit.

