

Special Issue

Recent Research Progress on the Structure and Application of Polymeric Foam

Message from the Guest Editor

There has been an increasing trend in the use of polymeric foam as a filler for thin-walled energy absorption structures because of its high specific energy absorption, low cost and ease of manufacture. Rapid developments in the field of polymeric foam filled energy absorption structures have boosted their applications in aerospace, military, automotive engineering, civil engineering and other industries. Hence, the development of new polymeric foam filled energy absorption structures is a hot topic in this field, especially for understanding their behaviors under extreme loading scenarios such as from impacts and blasts. This Special Issue considers recent research on novel polymeric foam filled energy absorption structures. Of special interest are the research topics focused on developing new types of polymeric foam filled energy absorption structures with high specific energy absorption as well as those related to new experimental techniques, numerical simulation methods and theoretical advances for the polymeric foam filled energy absorption structures. It is our pleasure to invite you to submit a manuscript to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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