

Special Issue

Modelling of Energy Storage Materials Manufacturing

Message from the Guest Editors

The demand for the electrification of the transport industry and economical energy storage devices is driving the development of polymeric batteries. Understanding the physics of “materials and manufacturing processes” will help tuning the production of energy storage devices and optimise the performance by controlling the texturing of materials, improving quality, increasing safety, and reducing wastes. In this Special Issue, we will focus on the modelling and manufacturing of energy storage materials, ranging from material characteristics (chemistry, rheology, topology, and micro-/meso-structure), processing methods, and post-processing stages (drying and calendaring). The aim of the current Special Issue is to unravel the potentials of using physics-based modelling and emerging areas like machine learning (ML) to remove the current hurdles of the high-value manufacturing of energy storage materials. Contributors from both academia and industry are welcomed to present their work.

Guest Editors

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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 4.9.

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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