



Modelling Environmental Ageing & Degradation of Composite Materials

Guest Editors:

Dr. Andrey E. Krauklis

Dr. Kamalakshya Mahatab

Dr. Olesja Starkova

Dr. Abedin I. Gagani

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

This Issue is aimed to be multidisciplinary, involving theoretical and computational aspects of predicting composite material properties and deterioration due to aging and degradation. The fundamental understanding of intermolecular interactions, and methodologies such as Quantitative Structure–Property Relationships (QSPR), Molecular Dynamics (MD), Finite Element Analysis (FEA) or novel machine learning tools, such as Bayesian networks, are of interest, but the Issue is not limited to these aspects. The scope of the Special Issue spans across the whole modelling field, including mathematics-, physics- and chemistry-based solutions (analytical, numerical and phenomenological tools).

We invite researchers to contribute to the Special Issue titled “Modelling Environmental Aging and Degradation of Composite Materials”, which is intended to serve as a unique multidisciplinary forum on theoretical and computational science and engineering in regard to the aging and degradation phenomena of composite materials, as well as experimental validation of such modelling methodologies.

