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Functional Design of Polymeric Materials and Composites under Extreme Conditions

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Deadline for manuscript submissions:

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Message from the Guest Editors

Extreme conditions have already provided scientists with new opportunities and frontiers for scientific research. These conditions include but are not limited to extreme temperature, extreme humidity, extreme pressure, acidity, alkalinity, and extremely high electrical and magnetic fields.

In this case, the functional design of polymeric materials and composites is predominant for facing the specific extreme conditions and displaying required performances. Polymeric materials are already available for various advanced commercial, military, and aerospace applications, and they face an increasing number of different extreme environments. Their durability issues urgently need to be addressed. Establishment of the direct and indirect relationships between material structures and performances is also highly required.

This Special Issue aims to advance the fundamental understandings of polymeric materials under extreme conditions and exhibit progressive technologies. We encourage the submission of papers in which the connections of material structures and functions are investigated and highlighted.



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Special Issue



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Message from the Editor-in-Chief

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