



Polymer Composites for Energy Applications

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Message from the Guest Editors

Polymer composites occupy a privileged position for applications in different areas of energy, from generation to storage. The lightness and flexibility of polymers allied with filler properties can result in an improvement in material processability and also in the emergence of new properties and functionalities. It is an interdisciplinary area where synthesis, design, and interfaces play key roles in the material's performance. Particularly, nanogenerator systems based on piezoelectric, triboelectric, and pyroelectric polymer composites, among others, are promising in the conversion of energy from the human body (thermal and mechanical) and in their use in robotics, wearable devices, and self-charged sensors.

Thus, this Special Issue is devoted to the survey of recent progress in this multidisciplinary area of polymer composites for energy applications. From their production and design to their characterisation and applications, along with a deep understanding of their physical performance, original contributions and reviews are welcome.





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Message from the Editor-in-Chief

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