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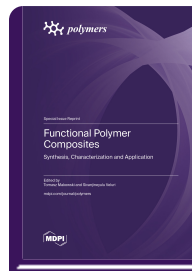
*Special Issue Reprint*

## **Functional Polymer Composites: Synthesis, Characterization and Application**

[www.mdpi.com/books/reprint/8716](http://www.mdpi.com/books/reprint/8716)

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ISBN 978-3-7258-0136-7 (Hardback)  
ISBN 978-3-7258-0135-0 (PDF)



Functional polymer composites are showing increasing potential as materials in chemistry and materials science. Polymer composites, including nanocomposites, are made via the incorporation of fillers in polymer matrices and offer many advantages. The properties of polymer composites are further improved via the surface modification of fillers or the matrix phase. Currently, there is an increasing demand for smart materials based on eco-friendly polymers for a wide variety of applications. Therefore, functional polymer composites are essential for the development of new technologies. This reprint aims to conduct rigorous research focused on innovative smart materials that make significant contributions to nanotechnology.



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