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# **Vitrimers and Their Processing**

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## **Message from the Guest Editors**

Dear Colleagues,

Over the past decade, a new class of polymers (i.e., vitrimers) has received a great deal of attention in both academia and industry. Vitrimers possess high strength and high modulus, similar to thermoset polymers, while being recyclable and reprocessable, similar to thermoplastic polymers. This is due to the dynamic covalent chemistry in the backbone of polymer structures. Moreover, vitrimers can be fully recycled, reprocessed in a closed loop, and weldable and strong as virgin polymer. Additionally, carbon fibers might be reclaimed from the polymer structure non-destructively. Thus, this Special Issue aims to welcome those new findings in this research direction.

This Special Issue welcomes experts working in vitrimer synthesis and processing, self-healing polymers, dynamic covalent chemistry, reversible reactions, sustainable chemistry, and simulations for vitrimers. These innovations might be in monomers, polymers, thermosets, composites, and other applications. All kinds of interrelated innovations in the polymers, chemistry, and composite industry related to vitrimers are warmly welcomed.













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## **Editor-in-Chief**

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# **Message from the Editor-in-Chief**

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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.

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