

Special Issue

Aging, Degradation, and Lifetime Engineering of Advanced Polymeric Materials

Message from the Guest Editors

Advanced polymeric materials are at the forefront of innovation in aerospace, electronics, energy, transportation, coatings, and many other high-performance fields. Nevertheless, their long-term reliability remains a critical challenge, as exposure to heat, oxygen, moisture, light, electric fields, mechanical loading, and harsh chemical environments can progressively induce aging, degradation, and ultimately failure. Gaining deeper insight into these processes is essential not only for improving durability and service performance but also for enabling more sustainable material design, lifetime management, and end-of-life utilization. Advanced polymeric materials are at the forefront of innovation in aerospace, electronics, energy, transportation, coatings, and many other high-performance fields. Nevertheless, their long-term reliability remains a critical challenge, as exposure to heat, oxygen, moisture, light, electric fields, mechanical loading, and harsh chemical environments can progressively induce aging, degradation, and ultimately failure.

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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