Special Issue

Recent Advances in Polymer-Based Organic Coatings

Message from the Guest Editors

Organic coatings are protective or functional overlays created through the deposition of organic polymer substances, such as resins and polymers, onto substrate materials including metals, plastics, and timber. Comprising a resin matrix, pigments, solvents, and additives, they establish an impermeable shield that safeguards substrates from moisture, atmospheric oxygen, corrosive chemicals, and UV radiation, thereby prolonging material durability and curtailing maintenance expenditure. Within industrial contexts, these coatings prove indispensable for anti-corrosion measures (e.g., pipelines, marine vessels), enhancing vehicular corrosion resistance and improving the weatherproofing of architectural facades. Domestically, they serve dual decorative and protective purposes in appliances and domestic furnishings. Cutting-edge coating innovations now integrate specialised capabilities, such as electrical conductivity, antimicrobial action, and self-repair mechanisms. In this case, this Special Issue aims to compile original and cutting-edge research work in the development, characterization, and application of organic coatings.

Guest Editors

Dr. Yi Zhu

School of Chemical and Material Engineering, Jiangnan University, Wuxi 214122, China

Dr. Guanqing Sun

School of Chemical and Material Engineering, Jiangnan University, Wuxi 214122, China

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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Message from the Editor-in-Chief

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 4.7.

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
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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