Special Issue

Innovative Inkjet Printing Systems for Functional, Multisensory and Inclusive Design

Message from the Guest Editors

Digital printing has made short runs and personalization far more accessible than traditional methods. Inkjet printing, in particular, has evolved from image reproduction into a versatile coating and patterning technology, enabling precise deposition of functional and conventional materials across diverse substrates with tight control of droplet placement, layer thickness, and surface interaction. This digitally driven coating approach opens pathways to advanced, functionalized surfaces. Tailored visual, tactile, optical, electrical, and reactive properties now enable applications in printed electronics, biomedical devices, protective and responsive layers, cultural heritage preservation, inclusive design, and multisensory media. Advances in printheads, ink/coating formulations, and process optimization further strengthen inkjet's role in surface engineering. This Special Issue invites contributions on novel inks and coatings, functional materials, surface modification, adhesion and durability, process control, and applications demonstrating sustainability and multisensory or accessible design. We welcome your submissions.

Guest Editors

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.
Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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