Special Issue

Electron Microscopy Characterization of Soft Matter Materials

Message from the Guest Editors

Soft matter materials—encompassing polymers, biomaterials, liquid crystals, and colloids—are foundational to technological progress in medicine, energy, and sustainability. Their properties are dictated by nanoscale structure, morphology, and composition. However, characterizing these materials with electron microscopy (EM) is profoundly challenging due to their inherent beam sensitivity and low contrast, often leading to artifacts that misrepresent their true native state.

This issue will serve as a forum for research that bridges state-of-the-art EM instrumentation with cutting-edge computational analytics. Our goal is to showcase how the combined power of these fields is revolutionizing our understanding of structure-property relationships in soft matter, pushing the boundaries of discovery from what we can see to what we can understand.

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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