

Special Issue

Advances in Materials and Designs for Power Supply Systems in Soft Electronics

Message from the Guest Editors

Recent advances in materials chemistry and composite materials design establish the foundations for classes of electronics with physical form factors that bridge the gap between soft biological organisms and rigid microsystems technologies. Soft platforms of this type have broad utility in continuous clinical-grade monitoring of physiological status, potentially lowering the cost and increasing the efficacy of modern healthcare. In this context, the development of materials and device designs for power supply systems is critically important and represents a rapidly expanding focus point of research in the materials sciences.

Reformulating conventional technologies into biocompatible platforms and co-integrating them into bioelectronic systems demand innovative materials chemistry and engineering approaches. This Special Issue will highlight the range of material choices and associated device architectures for power supply systems in soft electronics, including batteries and supercapacitors for storage and photovoltaic, piezoelectric, triboelectric, and thermoelectric devices for harvesting.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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