# Special Issue

# Wearable Energy Harvesting and Storage Devices

### Message from the Guest Editor

A variety of energy harvesting technologies for wearable systems are currently being considered. Examples include thermoelectric generators that harvest body heat, piezoelectric or electromagnetic devices that harvest kinetic energy, and ambient RF harvesting. In many cases, these energy harvesting systems have to operate under less than ideal conditions, which require them to employ state-of-the-art materials and integration technologies to achieve the highest possible efficiency levels. It is also essential that these systems have the ability to store the harvested energy so it can be used on demand. The harvested energy can be stored in rechargeable batteries or supercapacitors, which offer a myriad of opportunities for new materials and technologies. This Special Issue will focus on energy harvesting and storage technologies specifically suitable for wearable systems to monitor both health and the environment. As such, both rigid and flexible technologies are of interest. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 November 2020)

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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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