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# **Advanced Triboelectric and Piezoelectric Nanogenerator**

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closed (31 July 2021)

# **Message from the Guest Editors**

Dear Colleagues,

As there is an emerging need for energy sources in various application areas, different types of energy harvesting platforms have been studied, including thermally, electromagnetically, chemically, and mechanically driven platforms. This Special Issue will be focused on the use of nanogenerators (NGs) to convert mechanical energy sources into electricity based on the development of advanced piezoelectric and triboelectric effects.

Indeed, as nanoelectronics and bioelectronics continue to be realized, complex device network systems will soon become a cornerstone of human life. Each of these will require an energy source; however, self-powered systems will be the ideal form of such device networks. From this point of view, NGs are a promising type of energy harvesting unit for these systems due to their simple structure, range of material selection options, biocompatibility, facile fabrication, use of universal mechanical energy sources, etc.

We welcome original research articles, reviews, and case and analytical studies that are relevant to advanced piezoelectric and triboelectric NGs and their application to nano-systems.











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### **Editor-in-Chief**

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# Message from the Editor-in-Chief

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