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# Biomechanical Energy Harvesting: Materials, Methods and Applications

Guest Editors:

## Message from the Guest Editors

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Deadline for manuscript submissions: closed (31 December 2022) Dear Colleagues,

Biomechanical energy harvesting, which refers to harvest mechanical energy from motions of bio-organs in daily activities, has been widely explored in recent years due to its potential to provide electricity for implanted medical devices and wearable electronics. To date, various elaborately designed human-friendly energy harvesters with high flexibility and biocompatibility has been fabricated to harvest biomechanical energy from limb and organ movements. Currently, novel materials with breakthrough fabrication methods have been proposed with tremendous enthusiasm for emerging applications. This special issue aims to collect latest original research or review articles on materials, methods and applications in biomechanical energy harvesting to instantiate recent trends and challenges on this topic. Interests of the special issue cover across a broad range of biomechanical energy sources including walking, arm swinging, cardiac motion, respiration and blood circulation etc.



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#### Message from the Editor-in-Chief

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