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Bio-Batteries

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Deadline for manuscript submissions:

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Message from the Guest Editor

The next generation of sustainable and portable power could come from bioengineering and biotechnology. Bio-batteries are energy-conversion devices based on bio-catalytic processes. bio-mimetics, bio-materials, bio-inspired materials. biologically enhanced or components. Bio-batteries have attracted significant research interest and have gained acceptance as a "green" energy alternative of the future, due to their sustainability, renewability, and eco-friendly properties. Despite their vast potential, however, our ability of how to harness the potential of bio-battery technology lags, due to a lack of in-depth understanding of the mechanisms for energy harvesting from biological materials and fundamental factors that maximize biological power-generating capabilities. In this Special Issue, we welcome review articles and original research papers focusing on recent progress and developments in bio-batteries, with further scientific and technological challenges. This Special Issue is also dedicated to new bioenergy-conversion technologies in the framework of emerging and demanding applications.











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Message from the Editor-in-Chief

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