



Sensors

an Open Access Journal by MDPI

CiteScore: 8.2

Indexed in PubMed

Impact Factor: 3.5

Special Issue Reprint

RF Energy Harvesting and Wireless Power Transfer for IoT

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Internet of Things (IoT) technologies are fast becoming the main connectivity backbone of the data-driven, sustainable society of the future. However, major concerns related to the lack of efficient solutions for powering and maintaining the uninterrupted operation of the growing number of IoT devices is have begun to emerge. In this regard, energy harvesting techniques are an attractive solution, as they allow for the use of externally recharging batteries, and thus may constitute key components of future sustainable IoT networks. This Special Issue focuses specifically on radio frequency (RF) energy harvesting and wireless power transfer technologies, addressing their challenges through diverse perspectives and exploring innovations and practical applications. It comprises 12 research papers from authors across the globe aiming to advance our understanding and unlock the transformative potential of RF-based energy solutions within the evolving IoT landscape.

