



sensors



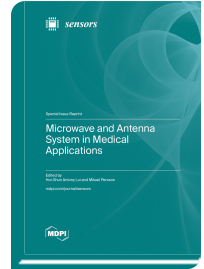
Special Issue Reprint

Microwave and Antenna System in Medical Applications

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The non-ionizing nature of microwave radiation and low-cost microwave electronics offer innovative solutions for medical diagnoses, treatment, and health monitoring. Researchers of antennas, microwave electronics, computational electromagnetics, imaging, and signal processing are working collaboratively with medical practitioners, aiming at enhancing our lives through developing next-generation healthcare technologies. Together with the recent boom in artificial intelligence (AI) and machine learning (ML), they open new avenues that accelerate technical development in microwave-based techniques for medical applications. In this Special Issue, we present a comprehensive exploration of microwave and antenna systems, showcasing their transformative impact on diverse medical applications, including medical diagnoses, treatment, and patient monitoring. The collection features nine cutting-edge original research articles followed by two insightful reviews incorporating microwave imaging and sensing into digital pulmonology and digital gastroenterology.



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