

Special Issue

Personal and Pervasive Health Care for the Elderly

Message from the Guest Editor

As populations around the world age rapidly, the demand for innovative health care solutions tailored to the elderly has grown significantly. Traditional hospital-based systems are often inadequate for addressing the chronic illnesses, frailty, cognitive decline, and social isolation that older adults face. Over the past two decades, advances in mobile health (mHealth), wearable sensors, artificial intelligence, and pervasive computing have laid the foundation for personalized, continuous, and home-based health care delivery. These developments are reshaping elderly care by integrating preventive, diagnostic, and therapeutic interventions into everyday environments.

This Special Issue aims to highlight cutting-edge research, frameworks, and practical solutions that leverage pervasive and personalized technologies to enhance elderly health care. The scope includes not only technological innovations but also interdisciplinary perspectives spanning medicine, nursing, gerontology. The issue seeks to inform the design, deployment, and evaluation of systems that ensure safety, autonomy, dignity, and quality of life for older adults.

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