

# Handbook of Research on Innovations in the Diagnosis and Treatment of Dementia

Part of the Advances in Psychology, Mental Health, and Behavioral Studies Book Series

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## Description:

Technology is playing an increasing role in the lives of the elderly. One of the most prevalent developments for the aging population is the use of technological innovations for intervention and treatment of individuals with mental impairments.

The **Handbook of Research on Innovations in the Diagnosis and Treatment of Dementia** offers empirical research and theoretical analyses on the cognitive impairment of the aging.

## Readers:

Featuring studies in gerotechnology, this book is an essential resource for researchers, students, and practitioners in the field of geriatrics who are interested in the emerging research, clinical practices, therapy, and technological innovations concerning the development and treatment of dementia.

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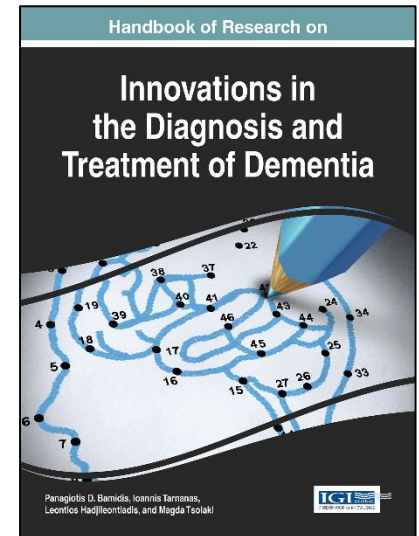
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## Topics Covered:

- Assistive Technologies
- Cognitive Impairment
- Elderly Healthcare
- Gerotechnology
- Neuropsychological Evaluations
- Unobtrusive Smart Environments
- Virtual reality environments



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*New Technologies and Neuropsychological Evaluation of Older Adults: Issues and Challenges*  
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Anthoula Tsolaki

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*Graceful Ageing: Exergaming as a Means to Delay Mental and Physical Decline among the Elderly*  
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**Panagiotis Bamidis** is Assistant Professor in the Medical School, Aristotle University of Thessaloniki, Greece. He has co-ordinated four large European projects ([www.meducator.net](http://www.meducator.net); [www.longlastingmemories.eu](http://www.longlastingmemories.eu), [www.epblnet.eu](http://www.epblnet.eu), [www.childrenhealth.eu](http://www.childrenhealth.eu)) and was the principal investigator for a number of national and international funded projects. His publication record consists of more than 90 refereed journal papers. In addition, he has been acting as a referee in more than 25 journals, and as Guest Editor in more than 13 journal special issues. Finally, he is a member of the Administration Board of the Greek Federation of Alzheimer's Associations and Related Disorders, the Innovation Zone of Thessaloniki, Greece, and the Hellenic Biomedical Engineering Society. He has been the Chairman/Organiser of 7 international conferences (iSHIMR2001, iSHIMR2005, MEDICON2010, GASMA2010, SAN2011, MEI2012, MEI2015) and the Conference Producer of the Medical Education Informatics Conference and Spring School Series. He is a visiting scientist at Karolinska Institute, Sweden. His research interests include health information management, affective and physiological computing and human-computer interaction, (bio)medical informatics with emphasis on neurophysiological sensing and ambient assisted living, collaborative e-learning, content sharing and repurposing, and medical education informatics.

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