

**SCOPUS indexed book series Sustainable Development**

**Goals**



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**Book title - Digital Ageing for Sustainable Development: Technologies, Policies, and the Future of Elderly Care in the Context of SDGs**

**DESCRIPTION OF THE BOOK**

"Digital Ageing for Sustainable Development: Technologies, Policies, and the Future of Elderly Care in the Context of SDGs" offers an in-depth examination of the impact of digital advancements on senior care in relation to the United Nations Sustainable Development Goals (SDGs). This edited volume examines the convergence of aging populations, technological innovations, and socio-economic policy in both developed and developing countries.

The book analyses the opportunities and problems presented by emerging technologies, including artificial intelligence (AI), telemedicine, wearable health devices, blockchain, and smart home solutions, using a combination of sociological theory, empirical research, and multidisciplinary case studies. It evaluates how these technologies might either mitigate or intensify socio-economic inequalities in aged care, providing insights toward sustainable and inclusive digital care systems.

This two-volume collection presents theoretical frameworks and practical applications, equipping policymakers, researchers, and practitioners with innovative analyses and implementable solutions to enhance sustainable aged care.

**Volume 1: Theoretical and Policy Perspectives**

1. Overview of Ageing in a Digital World
2. Understanding Socio-Economic Disparities in Digital Elderly Care (SDG 10: Reduced Inequalities)
3. AI and Public Health: Aligning Digital Elderly Care with SDG 3 (Good Health and Well-being)
4. Artificial Intelligence and Robotics: Enhancing Elderly Care
5. Legal and Ethical Challenges in AI-Driven Elderly Care (SDG 16: Peace, Justice, and Strong Institutions)
6. Smart Homes and Assistive Technology: Creating Age-Friendly Living Spaces
7. Digital Inclusion for Elderly Workforce Participation (SDG 8: Decent Work and Economic Growth)
8. Blockchain in Elderly Care: Ensuring Data Security and Access (SDG 9: Industry, Innovation, and Infrastructure)
9. Virtual Communities for Social Support and Combating Loneliness (SDG 3: Good Health and Well-being)
10. Engaging Ageing Populations in Environmental Sustainability and Skill Transfer (SDG 12: Responsible Consumption and Production)
11. Role of Virtual and Augmented Reality in Elderly Education & Well-being

12. Policy Innovations for a Global Digital Care Ecosystem (SDG 17: Partnerships for the Goals)
13. AI-Enhanced Mental Health Support for the Elderly

## Volume 2: Practical Innovations and Technological Applications

14. AI and Robotics: Revolutionizing Elderly Healthcare Delivery (SDG 3 & SDG 9)
15. Smart Homes and Assistive Technologies for Independent Living (SDG 11: Sustainable Cities and Communities)
16. Voice-Activated Technologies for Accessibility and Well-being (SDG 10: Reduced Inequalities)
17. Gamification and VR/AR for Elderly Cognitive and Physical Health (SDG 3: Good Health and Well-being)
18. Social Media and Online Communities: Combating Loneliness in Older Adults
19. AI and Big Data for Public Health Surveillance in Ageing Populations
20. AI-Powered Financial Tools for Ageing Populations (SDG 8: Decent Work and Economic Growth)
21. Gamification in Elderly Rehabilitation and Physical Health
22. 5G-Enabled Healthcare: The Future of Connected Elderly Care (SDG 9: Industry, Innovation, and Infrastructure)
23. AI-Assisted Transportation and Mobility Solutions for the Elderly
24. Adaptive Learning Technologies for Senior Citizens in Developing Nation: Challenges & Opportunities
25. Engaging Ageing Population in Skill Transfer and Environmental Sustenance
26. Entrepreneurship in the Digital Economy: Shaping the Future of Elderly Care

### List of Editor, Co-Editors

#### **Dr. Sheeba Khalid (Academician, Post-Doc Fellow, PhD Sociology)**

An accomplished Assistant Professor of Sociology with over 16 years of teaching and research expertise in Sociology, Gerontology, and Interdisciplinary Studies. Recognized for curriculum development, academic leadership, and mentorship, with a strong publication record in Scopus-indexed and peer-reviewed journals. Awarded the REX Karmaveer Global Fellowship (2024-25) for contributions to social causes. Editor-in-Chief of the International Journal of Interdisciplinary Research and a Postdoctoral Fellow in Social Gerontology at Lincoln University, Malaysia, specializing in AI-powered elderly care aligned with SDGs.

#### **Professor Glenn W. Muschert**

Dr. Glenn W. Muschert is a distinguished Professor of Sociology at Khalifa University, UAE, with a prolific academic career marked by leadership, global engagement, and interdisciplinary research. His work focuses on digital inequality, social justice, media sociology, and public health, often addressing critical global challenges through collaborative scholarship. He has authored and edited more than 20 academic volumes and published extensively in leading peer-reviewed journals. Dr. Muschert has held honorary appointments in India and Malaysia and has served as a policy adviser to governmental bodies in the UAE. His research has received support from esteemed institutions such as TÜBİTAK and the Aspen Institute. Committed to bridging North-South scholarly dialogues, his contributions reflect a deep engagement with equity, sustainability, and public impact.

**KVM. Prof. Dr. R. Ganesan** Prof. Dr. R. Ganesan is an internationally recognized scholar and thought leader in the fields of entrepreneurship development, women empowerment, and social transformation. With a PhD from IIT Delhi, his research has pioneered psychosocial approaches to understanding women entrepreneurs in food processing enterprises. He has received numerous prestigious national and international awards, including the Karma Veer Maharatna and the Global Leadership Award, for his academic and social contributions. Over the years, Dr. Ganesan has served in various editorial, advisory, and leadership roles across global academic platforms and has published prolifically in reputed journals and edited volumes. As Chief Editor of multiple

research journals and conferences, his work consistently reflects a commitment to innovation, equity, and interdisciplinary excellence in academia and practice.

**Prof. Luzaan Hamilton** Prof. Hamilton is an Associate Professor in the Department of Business Management at North West University, South Africa, with over 17 years of academic experience. She holds a doctorate with a focus on female entrepreneurship, comparing South Africa and the Netherlands. Her research interests include female and student entrepreneurship, particularly exploring intentions, skills, motivations, and barriers. She supervises Master's and PhD students, has published widely, and serves as a reviewer and external examiner for several academic bodies. Since 2020, she has been an active member of Entrepreneurship Development in South Africa.

**Dr. Sonam Bansal** Accomplished academician and researcher with over eighteen years of experience in teaching and educational leadership. She holds a PhD in Education from Panjab University, along with multiple master's degrees in chemistry, Psychology, and Education, including an M.Ed. (Gold Medalist), MPhil in both Education and Chemistry respectively, and a Post Graduate Diploma in Guidance and Counselling

- Abstract Submission Deadline:  
20<sup>th</sup> June 2025
- Full Full Paper Submission: 15<sup>th</sup>  
July 2025

**Submission Email: [springernature3@gmail.com](mailto:springernature3@gmail.com)**