

Contents

Foundations of Circular Economy and Technological Innovation

Introduction: Circular Economy and Technological Innovations: Synergies and Regional Implications	3
Syed Abdul Rehman Khan, Oluwaseun Kolade, and Adnan Ahmed Sheikh	

Technological Innovation in Industry 4.0 and 5.0 Revolution	15
Hina Zafar, Bader Unnisa Mehdi, Adnan Ahmed Sheikh, and Noor E Sahar	

Insights into Eco-Product Designs and Eco-Business Model Strategies	33
Nadir Munir Hassan, Ibrahim Rashid Al Shamsi, Adnan Ahmed Sheikh, and Abdelheq Lachachi	

The Impact of Integration, Hyper Agility, and Resilience Capability on Agile Strategy: Leading Towards Firms' Sustainable Performance	47
Obaidullah Shah, Sherbaz Khan, and Adeel Shah	

Assessing Publication Trends in MIS, Economics, and Management: Exploring the Impact of Sustainable Practices, Circular Economy, and Digitalization	77
Muhammad Tanveer, Rehana Naheed, and Ikram Ul Haq	

Sustainability Practices Across Industries and Regions

Circular Economy and Commitment of Asian, South American, and Middle Eastern Higher Education Institutions to Sustainability Agenda	103
Ilya Bystrov, Mohamed Wahish Hashim, and Sonia Umair	

The Complex Nexus of Military Spending, Economic Growth, Energy Consumption and Environmental Sustainability: Insights from India and China	123
Muhammad Sibte Ali, Nitu Maurya, and Laeeq Razzak Janjua	
A Multivariate Analysis of Economic Growth, Energy Consumption, and Carbon Emissions in Highly Mountainous Economies: An Empirical Evidence	151
Amjad Mahmood, Yasir Habib, Shahzad Ahmad Khan, and Sajjad Nawaz Khan	
Environmental Kuznets Curve in Pacific Nations: Ict and Renewable Dynamics	181
Muhammad Sibte-Ali, Laeeq Razzak Janjua, Syed Muhammad Faraz Raza, and Kashif Javed	
Environmental Sustainability: Nexus Between Green Conscientiousness, Green Motivation, Green Altruism, Green Attitudinal Purchase Intention, and Green Brand Evangelism	207
Adnan Ahmed Sheikh, Asif Hameed, Syed Abdul Rehman Khan, and Zeeshan Ahmad	
Innovations Driving Green Transformation	
Revolutionizing Agriculture: Harnessing High-Performance Computing and Artificial Intelligence for Innovative Farming Practices	237
Shad Ahmad Khan, Bhanupriya Khatri, Henry Jonathan, Arshi Naim, and Shaina Arora	
Online to Offline Recycling—An Analysis of Recycling Waste in an Internet-Integrated World	253
Adeel Shah, Muhammad Arif, and Saheer Ali	
Building Capacity for Circular Economy Transitions: Exploring Knowledge of 3D Printing in Nigerian Universities	279
Silifat Abimbola Okoya, Oluwaseun Kolade, Olubunmi Ajala, and Muyiwa Oyinlola	
Determinants of Consumer Green Product Consumption: Analyzing the Role of Green Marketing and Consumer Attitudes	299
Muhammad Tabish and Saima Munawar	
Revolutionizing Sustainability: The Impact of Circular Economy Innovations on CO₂ Emissions	319
Moneeba Iftikhar, Amjad Ali Shah, Syed Hassan Raza, and Shahzad Ahmad Khan	

Greening the Workforce for Product Recycling and Energy Conservation	343
Hina Zafar, Yuwei Sun, Bader Unnisa Mehdi, and Amine Lekmiti	