1. Record Nr. UNINA9910488729103321

Autore	Balezentis Tomas
Titolo	Structural change, productivity, and climate nexus in agriculture : an Eastern European perspective / / Tomas Balezentis [and three others]
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-76802-3
Descrizione fisica	1 online resource (268 pages)
Disciplina	630.947
Soggetti	Sustainable agriculture - Europe, Eastern
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- Preface -- Acknowledgements -- Contents -- Abbreviations -- Chapter 1: Introduction and Key Findings -- 1.1 Problem Setting -- 1.2 The European Union Context -- 1.3 Major Issues and Findings -- 1.3.1 Sustainable Development of the Agricultural Sector and Its Interactions with Other Sectors -- 1.3.2 Agricultural Technology, Production, and Productivity -- 1.3.3 Structural Dynamics in Agriculture -- 1.3.4 Agri-Environmental Footprint as a Measure of Agricultural Sustainability -- 1.4 Concluding Remarks -- References -- Chapter 2: Sustainability of Agriculture: Energy Use and Climate Change Mitigation Issues -- 2.1 Introduction -- 2.2 Sustainable Agriculture -- 2.3 Climate-Smart Agriculture -- 2.4 Sustainable Energy and Agriculture -- 2.5 Implications of the Climate-Water-Land-Energy-Food Nexus for the Common Agricultural Policy -- 2.6 Conclusions -- References -- Chapter 3: Modelling Production Technology for Development of Agricultural Sector -- 3.1 Introduction -- 3.2 Preliminaries -- 3.2.1 Production Technology -- 3.2.2 Distance Functions and Measures of Efficiency -- 3.2.3 Production Function -- 3.2.4 Estimation of the Distance Functions -- 3.2.4.1 Deterministic Parametric Approach -- 3.2.4.2 Stochastic Approach -- 3.2.4.3 Nonparametric Approach -- 3.3 Scientometric Review -- 3.4 Data -- 3.5 Empirical Analysis -- 3.5.1 Deterministic Parametric Modelling -- 3.5.2 The OLS-Based Production Frontier -- 3.5.3 Nonparametric Production Frontier -- 3.5.4 Production Frontier Based on the Ridge Regression -- 3.5.5 Restricted