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Nota di contenuto	Geospatial Approaches to Monitoring Hydrometeorological Variables in the Black Sea Region -- Integrating Digital Simulation and Sustainable Practices in Persimmon Extraction Processes -- The Functional Model of Perennial Grasses Cultivation -- Microcontroller measuring converter for wireless soil moisture and temperature sensors -- Reducing Energy Costs in Sprinkler Machine Operation -- Digital Umbrella for Protecting Information Resources in Agricultural Enterprises -- Simulation of Paint Deposition Processes in Electric Fields: Enhancing Agricultural Equipment Performance,- Enhancing the pattern recognition on unmanned aerial vehicle images of agricultural objects by positive-negative momentum -- Adapting to Environmental Challenges: A Zoning Model for Sustainable Development in the Agro-Industrial Sector -- A review of traditional foods produced from the banana plant: evidence from Asia and Africa -- BIODIVERSITY OF FISH FAUNA IN LAKE SARYKAMYSH IN THE UPPER BASIN OF THE SYRDARYA RIVER -- Study of the composition of anthocyanins in grape pomace of Cabernet Savignon variety -- Practical significance of production thermometry in conditions of long-term storage of food grain -- Introduction and

Selection of Medicinal Plants in Southern Region of Russia -- Laboratory control of spices in the determination of individual microbiological parameters -- Sustainable environmental development system for aquaculture using probiotic additives based on species-specific microorganisms -- Productivity and Economic Viability of Spring Rapeseed Varieties Cultivated in the Southern Forest-Steppe of Western Siberia -- Crop industry waste management based on the principles of circular economy -- Investments in the development of processing industries of small businesses in the context of the formation of an agricultural microcluster -- Sustainability of orchard ecosystems of apple trees in weather anomalies of southern Russia -- Modern methods of collagen extraction: A comparative analysis of technologies and their applications -- Sustainable Technologies for Protecting Winter Wheat Against Diseases in Variable Moisture Conditions -- Challenges and Innovations in the Development of Russian Livestock -- Modeling of winter wheat yields on different backgrounds in the zone of unstable moisture in the Central Ciscaucasia -- The interrelationship of factors for sustainable rural development -- The Impact of the Key Rate on the Policy of Managing Finished Goods Stocks, Their Sales and Logistics in Agricultural Organizations -- Problems and Prospects of Food Security: Agri-Food Market Analysis -- Institutional Structure of Russian Rabbit Farming -- The efficiency of state support for agricultural enterprises in the Krasnodar Territory -- Financial and Credit Literacy of Rural Residents in Russian Federation: case of Krasnodar Krai and Republic of Adygea -- Assessing Readiness for Territorial Mobility: Insights from Russian Agricultural University Graduates -- Environmental literacy of agrarian specialists as a factor in ensuring the socio-economic sustainability of rural areas -- Impact of Climate System Change on Sustainable Social Development of Modern China: In-stitutional Approach -- Transforming Ecologists' Practical Training: Strategies for Sustainable Regional Development -- Networking in the System of Sustainable Rural Development -- Innovative Forms of Agriculture as a Factor in the Development of Rural Areas in the Southern Region of Russia -- Tax incentives for sustainable agricultural development -- Framework for Institutional Management System in Achieving Sustainable Rural Development: National and Regional Perspectives -- Evaluation of the implementation and development of agricultural lending in Russia -- ESG - Agribusiness Transformation as a Strategic Reference Point for Achieving Sustainable Agricultural Development -- Problems and Prospects of Using Public-Private Partnership Mechanisms for Implementing Projects in Agriculture -- Integrated Growth Strategy for Agribusiness: Economic and Market Justification -- Developing Competencies in Rural Youth for Sustainable Socio-Economic Progress -- The system of grain clusters in Russia: bio-economic approach -- Social and psychological mechanisms of professional formation of rural youth in the agro-industrial sector -- Using the index-based approach in studying sustainable development of rural areas -- Internal Audit of Financial Statements in Agricultural Organizations: Current Approaches in Russia -- Formation of financial and management reporting of Russian agricultural universities: experience and methodology -- The prevalence of spinal disease in the French Bulldog -- The role of ultrasound diagnostics in the preclinical investigation of a new pharmaceutical agent based on chromium and an amino acid complex -- Realization of genetic resources of hybrid goslings using biologically active substances -- Age-dependent morphometric reactions in the liver of rats.

that are shaping the future of agriculture, emphasizing the importance of sustainability. Key themes explored in the book include: I. Digital Agricultural Techniques, Tools and Systems, which highlight the role of data analytics and automation in optimizing farm operations; II. Sustainable Development of Agricultural and Food Production, focusing on regenerative practices that promote soil health and enhance food security; III. Economic, Ecological and Social Systems for Human Development, examining how integrated approaches can enhance rural livelihoods and community resilience; IV. Sustainability in Animal Husbandry and Veterinary Practice, addressing innovations that improve animal welfare while minimizing environmental impacts. This book serves as an invaluable resource for researchers, farmers, policymakers and students, providing a multidisciplinary perspective on how innovative agricultural practices can lead to a sustainable and resilient food system.
