

## INTRODUCTION

Sustainable development and circular economy are fields that have developed rapidly in the last decade and have attracted the attention of many researchers. However, there is still insufficient research on the relationship between these scientific fields. The relevance and significance of the problem is determined by the acute contradiction between the need to ensure the sustainability of the economy and the intensive development of degradation processes that preclude sustainable management of natural resources. An interdisciplinary approach and methods of cognition that arise on the borders of different scientific disciplines play an important role in resolving this contradiction. An interdisciplinary approach is understood as a comprehensive study of a single subject of research by representatives of various scientific disciplines. Interdisciplinarity is considered as a form of organization of scientific knowledge based on certain connections between scientific disciplines (fields of knowledge), methods and technologies that provide solutions to complex problems.

The proposed collective monograph is one of the first attempts from the standpoint of an interdisciplinary approach to identify current problems in the theory and practice of sustainability and circular economy, as well as to propose promising directions for solving them. This collective monograph outlines both theoretical-methodological and analytical-applied aspects of sustainability and the circular economy. The idea of preparing this monograph arose during the implementation of a scientific project “Strategy and innovative technologies for the processing of organic animal waste in the context of ensuring land degradation neutrality: from linear to circular economy” (state registration number 0122U001484). Understanding that the comprehensive implementation of the principles of the circular economy involves their introduction in different types of economic activity and at different hierarchical levels of management, this monograph goes beyond the boundaries of one industry.

The collective monograph contains nine chapters:

1. Measuring, recording, reporting, monitoring and forecasting sustainability;
2. Circular economy and sustainable business performance management;
3. Formation of sustainability of countries, industries, regions and enterprises;
4. Economics and sustainable management of natural resources;
5. Sustainable finance, sustainable banking and sustainable insurance;
6. Sustainable marketing and entrepreneurship, sustainable consumption;
7. Development of sustainable waste management systems;

8. Transfer of innovations and education for sustainable development;
9. Sustainable post-war recovery, challenges and opportunities for circular economy development.

The collective monograph includes and summarizes the results of research by many authors from various scientific and educational institutions of Ukraine, reflecting the modern achievements of domestic science in the investigated problem. It is natural that one of the features of this book is the diversity of views that unite into a single whole a common idea – the justification of directions for ensuring the sustainability of enterprises, regions and industries, and the development of a circular economy. The authors of the materials included in the collective monograph express their own opinions, which do not always coincide with the scientific position of the editors. The authors are responsible for the content of materials.

We are convinced that it is the joint efforts of scientists from different scientific disciplines that can find the correct explanation for the difficult processes in ensuring sustainability that economic activity leads to. We are confident that further creative collaboration between researchers from various scientific and educational institutions will contribute to the production of promising conceptual approaches to solving the scientific problem of ensuring sustainability and implementation of the circular economy.

This collective monograph, given the depth and versatility of the problem of ensuring the sustainability and development of the circular economy, is not able to give a comprehensive answer to all the questions posed in it, not to mention those aspects that were not reflected in this study. However, we hope that the theoretical, methodological and analytical developments carried out in the collective monograph will be useful for managers and specialists of state and local government bodies, enterprise specialists, researchers, lecturers, graduate students, students and everyone interested in issues of ensuring sustainability and the development of a circular economy.

We express our sincere gratitude to the reviewers of the collective monograph:

– Professor Kniaz Sviatoslav, Doctor of Economic Sciences, Head of the Department of Entrepreneurship and Environmental Examination of Goods, Lviv Polytechnic National University, Ukraine;

– Professor Levkov Krasimir, PhD, Professor of the Department of Regional Development, Agribusiness and Tourism, University of Agribusiness and Rural Development, Bulgaria;

– Professor Makarenko Inna, Doctor of Economic Sciences, Researcher of the Department of Economics and Management, Finland.

Special thanks to the Center for Ukrainian and European Scientific Cooperation for organizational and technical support for the publication of this monograph.

We will be grateful for feedback, comments and wishes regarding the further development of the problem of ensuring sustainability and development of the circular economy.

*From the team of editors,  
Doctor of Economic Sciences (Dr hab.),  
PhD, Senior Researcher, Corresponding Member  
at Academy of Economic Sciences of Ukraine,  
Professor of Department of Management of Organizations  
at Lviv Polytechnic National University,  
Chief Scientific Researcher of Department  
of Innovative Economics, External Relations  
and Informatization of Scientific Research  
at National Scientific Center “Institute for Soil Science  
and Agrochemistry Research named after O. N. Sokolovsky”,  
initiator, manager, organizer of this publishing project      Anatolii Kucher*