



## **Monograph Review**

# **MANAGEMENT IN THE FIELD OF WASTE MANAGEMENT IN THE CONDITIONS OF TRANSITION TO THE CIRCULAR ECONOMY IN UKRAINE**

**by authors Viktor Koval, Inessa Mikhno and Mariana Petrova**

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The impact of economic activity on the environment and the widespread use of clean technologies will continue to play a key role in the pursuit of environmentally friendly processes with minimal waste, but in Ukraine there is still a tendency to increase landfill areas and a low level of environmentalization of society. This argument indicates the relevance and timeliness of the monograph "Management in the field of waste management in the transition to the circular economy in Ukraine", the scientific results of which indicate the solution of a number of theoretical and methodological issues on improving the organizational and economic foundations of household waste disposal and the development of a non-linear economy.

Despite theoretical and empirical scientific studies on changes in the ecological state and resource-saving technologies, there are currently no fundamental works devoted to strictly analyzing the implementation of the circulating economy in Ukraine and the main factors that make up the region's information and legislative environmental policy; there is no clear model for determining the introduction of a circulating economy.

The practical results of the monograph are the basis for changes in solving the problem of the negative impact of landfills on the ecosystem and become the basis for the formation of modern legislation and a waste monitoring system in Ukraine. Due to the fact that economic development contributes to an increase in the environmental burden, it is necessary to further improve environmental legislation to solve the problem of environmental pollution. This is especially true for waste, the amount of which is constantly increasing, and the composition is changing in favor of materials with a long decomposition time.

The methodological approach developed by the authors to improve the methodology of anthropogenic environmental impact is the basis for calculating social expenditures at the regional level, since environmentally hazardous technologies and development due to environmental degradation prevail in Ukraine.



Acquaintance with the contents of the monograph by Viktor Koval, Inessa Mikhno and Mariana Petrova allows us to make a general conclusion that this monograph is a logically constructed and completed study. The main scientific provisions, conclusions and suggestions presented in the work are justified and reflect the contribution to the substantiation of theoretical and methodological approaches to the organizational and economic foundations of waste management in the implementation of a circular economy.

The author's scientific novelty consists primarily in substantiating the current situation in the field of waste management from the perspective of maximizing public welfare, creating models of anthropogenic impact on the ecosystem and models for analyzing the degree of introduction of the circular economy in the country, which contribute to the introduction of new environmentally and economically sound technologies in Ukraine.

In the applied aspect, it represents the conceptual basis developed by the author for the formation of a model for calculating the anthropogenic impact on the ecosystem and forecasting the introduction and development of a closed-loop economy in Ukraine, which is based on the scientific, technological and innovative development of resource-saving systems based on the formation of the waste processing and utilization industry. The experience of the developed countries of the world indicates the possibility of achieving significant economic, environmental and social effects through the formation of the waste management industry and turning it into an integral element of the socio-economic infrastructure of regional economies.

The reliability and validity of the research results are confirmed by the use of a significant number of sources of scientific information, statistical reporting data, a wide range of research methods.

The monograph by Viktor Koval, Inessa Mikhno and Mariana Petrova “**Management in the field of waste management in the transition to the circular economy in Ukraine**” is a significant contribution to the development of the economic science of Ukraine, it is a complete scientific research carried out on a relevant topic, has scientific and practical value. The practical value of the monograph is due to the fact that the scientific results of the study systematically cover various aspects of the development of the national economy and the fundamentals of waste management, can be useful for representatives of state authorities, specialists, at the scientific and practical levels they solve the formation of economic and environmental politicians, business leaders in the field of waste management, as well as scientists.

## **REVIEWER:**

### **Oleksii GUTSALYUK**

Doctor of Economic Sciences, Associate Professor,

Professor, Department of Economics, Management and Commercial activities of

Central Ukrainian National Technical University

**ORCID ID:** 0000-0002-6541-4912