REVIEW

by the scientific supervisor

on the dissertation by Amangeldiyeva Birganym Askarkyzy
"State regulation of the circular economy's development in the Republic of Kazakhstan"
submitted for the degree of Doctor of Philosophy (PhD)
in the educational program "8D04103 – State and Local Government"

The increasing scarcity of non-renewable resources and the tightening of environmental regulations worldwide make the transition to a circular economy not merely a trend, but a necessary condition for ensuring sustainable future development. In this context, state regulation plays a pivotal role by establishing legal and institutional frameworks, creating incentives for businesses and society, and coordinating efforts across sectors and governance levels.

The dissertation by Amangeldiyeva B.A. is dedicated to examining the state regulation of the circular economy's development in the Republic of Kazakhstan.

In the first chapter, the author provides a comprehensive overview of the evolution and conceptual foundations of the circular economy, analysing key principles and development directions. She conducts an in-depth literary analysis, drawing on the works of foreign and Kazakhstani scholars, and places particular emphasis on the conceptual framework and the transition to a circular economy model. Her theoretical conclusions summarise contemporary scientific perspectives and establish a strong methodological foundation for further empirical research. Amangeldiyeva B.A. effectively identifies the weaknesses of the existing linear model and demonstrates the advantages of adopting a circular model for Kazakhstan, especially in light of limited resources and increasing environmental risks.

In the dissertation's second chapter, Amangeldiyeva B.A. conducted an empirical study that successfully meets the stated goals and objectives, adhering closely to the methodological structure of the work. This study involved a multi-level analysis of the development of the circular economy, employing regression methods, structural modelling, expert surveys, and in-depth interviews. The results obtained are highly significant and provide a comprehensive understanding of the mechanisms involved in state regulation of the circular economy.

In the third chapter, Amangeldiyeva B.A. develops comprehensive recommendations to promote the transition to a circular economy at the macro level, addressing national policy measures. Additionally, she offers targeted proposals for advancing circular practices within Kazakhstan's agro-industrial complex. These recommendations are well-structured, logically organised, and supported by practical examples, demonstrating their significant scientific and practical value.

Throughout her doctoral studies, Amangeldiyeva B.A. has demonstrated a high level of responsibility, diligence, and academic rigour. She also participated in the following research projects as a junior research fellow:

1) AP09259851 «Development of a circular economy in Kazakhstan: potential, trends, prospects» (2021-2023);

2) AP19576593 «Responsible production in Kazakhstani enterprises as a tool for achieving SDG 12: assessment of potential and development prospects» (2023-2025).

The dissertation is a logically coherent, well-structured, and methodologically robust scientific work. The goals and objectives are clearly formulated and fully aligned with the research topic. The findings' validity and reliability are ensured through a broad range of sources, extensive statistical data and materials, and the application of modern analytical methods.

The dissertation of Amangeldiyeva B.A. stands out for its high relevance, scientific novelty, and significant practical applicability. The theoretical insights and recommendations developed by the author can be effectively used to inform state policy and strategies for sustainable development based on circular economy principles in Kazakhstan.

Overall, the dissertation by Amangeldiyeva Birganym Askarkyzy, titled "State Regulation of the Circular Economy's Development in the Republic of Kazakhstan", meets the requirements for the award of the degree of Doctor of Philosophy (PhD) in the educational program "8D04103 – State and Local Government" and can be recommended for public defence.

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РАСТАЙМЫН
әл-Фараби атындағы ҚазҰУ Ғылыми кадрларды даярлау және аттестаттау басқармасының басшысы
ЗАВЕРЯЮ
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