

Рецензія офіційного рецензента

д.е.н., професора, професора кафедри публічного управління та адміністрування Сумського національного аграрного університету

КАЛАЧЕВСЬКОЇ Лариси Іванівни

на дисертаційну роботу аспіранта кафедри менеджменту імені Л.І. Михайлової **Лі Цзункень (Li Zongkeng)** на тему «Management of socio-economic development of the southwestern provinces of China» («Управління соціально-економічним розвитком південно-західних провінцій Китаю»), поданої на здобуття ступеня доктора філософії з галузі знань 07-управління та адміністрування за спеціальністю 073 - «Менеджмент»

Relevance of the dissertation topic. The need to transition to a model of sustainable development, caused by modern economic reality, is connected with the direct socio-economic development of regions. Manifestations of uneven development of China's regions remain a significant problem, which is manifested in local inconsistencies, dichotomy between the city and the countryside, economic and social differences, material and spiritual misunderstandings, etc. Given China's large-scale territory, large population, and uneven provision of natural resources in the regions, the historical problem of regional development imbalance remains pronounced. The main task of the dissertation was to find ways to implement coordinated regional development - adjusting and improving the framework of regional policy based on objective economic principles, using the comparative advantages of each region, promoting the rational course and effective concentration of various factors, as well as constantly strengthening initiatives to promote coordination and development within and outside the provinces of the People's Republic of China.

Connection of work with scientific programs, plans, topics. The scientific research of the dissertation work was carried out in accordance with the thematic plan of research works of the Sumy National Agrarian University (Ukraine) within the framework of the theme "Development of management in the conditions of international integration processes" 2019-2023 (state registration number

0119U001336), within the author investigated measures to overcome social economic inequalities in ethnic minority areas of Southwest China; as well as within the framework of personal research projects "Enhancing Basic Research Abilities for Young and Middle-aged Teachers" at Guangxi University (022KY0682) and Special Project "14th Five-Year Plan" of Guangxi University Education (2022ZJY2695).

The scientific novelty of the obtained results. The scientific novelty of the obtained results consists in the deepening of the existing theoretical provisions and the development of scientific-practical and methodical recommendations for managing the socio-economic development of the southwestern provinces of China. So,

firstly:

- was developed a conceptual program for the eradication of regional disparities in the economic and social development of the southwestern provinces of China in the context of inequality between urban and rural areas, which is characterized by reasonable coordination of the actions of state and local authorities, orderly competition of all economic entities in the region, environmental sustainability, joint prosperity and mutually beneficial results for all parties involved in the development process - the state, enterprises, and the population;

improved:

- methodological construction of a complex system for assessing the level of development of urban and rural areas of southwestern ethnic groups based on the entropy weight method by measuring the results of unbalanced development of ethnic regions in southwestern China by the method of fuzzy comprehensive assessment of development in four dimensions - economy, society, ecology and means of the existence of people;

- a theoretical-practical approach to finding ways of development and methods of implementing the strategy of achieving balanced economic and social development in the ethnic regions of Southwest China by focusing on three key

aspects: the principles of joint management, the function of collective management and the synergy of development ways, taking into account sustainability in the four dimensions: economic, social, ecological and sources of livelihood.

received further development:

- the theoretical connection between the theory of unbalanced development, the theory of polycentric management and the theory of sustainable development in the ethnic regions of southwest China through the application of the model of uneven regional development, which consists in the analysis and comparison of the measurement model and the model of assessment of the imbalance of regional development and the construction of a measurement system of unbalanced development in ethnic areas in southwest China;

- impulses for innovative development and acceleration of building a reliable system for high-quality development, strengthening the economic and demographic capacity of central cities, urban clusters and other economically developed regions, while strengthening the role of other regions in ensuring food security, ecological integrity and border stability.

Theoretical and practical significance of the results of the dissertation.

On the basis of fundamental and applied research, spatial-temporal characteristics of unbalanced economic and social development in the ethnic regions of Southwest China have been developed and proposed. This approach contributes to the continuous promotion of coordinated and sustainable development between China's regions at a practical level. Thus, this dissertation study facilitates the understanding of the current state of unbalanced economic and social development in the ethnic regions of Southwest China; a dynamic measurement covering four dimensions: economic, social, environmental and consumer is carried out to assess the imbalance between urban and rural areas; the variability of development in ethnic regions is analyzed, providing empirical evidence to support the key strategy of building a new development model and promoting high-quality development in these areas. Dissertation research can become the basis for determining regional development

priorities for meso-level officials, for students studying the disciplines "Economics of Local Development", "Regional Management", "Managing the Development of Territorial Communities", etc.

The main results obtained personally by the author

There is no doubt about the validity and reliability of the scientific statements, conclusions and recommendations formulated by the dissertation in the work. Under the influence of European strategies for rural development and revitalization, significant progress has been made in various economic and social aspects of the ethnic regions in southwest China. However, with the increase in the level of interregional economic and social development, a number of problems arose, first of all, with regard to the exacerbation of disparities in intraregional development. The striking urban-rural gap in the ethnic regions of southwest China has significantly hindered the overall improvement in the quality of development in these provinces. Therefore, solving the problem of unbalanced economic and social development in the regional context is a priority for the ethnic regions of southwest China.

The problem is particularly complex due to the fact that the southwestern ethnic regions belong to the national poverty areas, and in combination with their special geographical environmental factors and weak economic base, as well as differences in the implementation of policies in the ethnic regions, the gap in the level of regional development between provinces, autonomous regions and municipalities is relatively large, which is mainly reflected in the differences in the development of cities and villages, as well as in the unbalanced and insufficient development of the economy, society, ecology and livelihoods of people in the areas where ethnic minorities live.

This dissertation research focuses on the study of differences in economic, social, and environmental aspects between urban and rural areas in the ethnic regions of Southwest China through theoretical and empirical analysis. Dissertation research has the following innovative aspects:

- from the point of view of qualitative research - combines qualitative and quantitative research on regional development through an in-depth study of the theoretical logic of unbalanced economic and social development of ethnic regions in southwest China; establishes a new theoretical research basis for understanding the imbalances of regional economic and social development, which meets the requirements of the regional strategy of coordinated development.

- from the point of view of quantitative research - based on Tsinghua University's imbalanced development index system and includes the results of research by scientists in the academic field; creates a more appropriate methodological basis for calculating the index of measuring the level of economic and social development in the ethnic regions of southwest China, taking into account the actual conditions of these regions.

- in terms of evaluation methodology - develops a new evaluation model of regional economic and social development in ethnic regions of Southwest China based on the use of spatio-temporal regression (GTWR) to facilitate horizontal and vertical comparative analysis of measurement results in provinces and cities each year.

Therefore, a comprehensive analysis of the current inequality of the levels of economic and social development in various provinces, urban and rural areas of the southwestern region, as well as the clarification of the factors affecting the inequality of the levels of economic and social development in the southwestern ethnic regions, has a very important theoretical and practical significance for the formation of a strategic policy of comprehensive development of the southwestern ethnic territories.

The objects of the dissertation research are Chongqing Municipality, Sichuan Province, Yunnan Province, Guizhou Province, Tibet Tibet Autonomous Region and Guangxi Zhuang Autonomous Region.

The results of the study highlight representative data on the development of urban and rural areas in six provinces (autonomous regions and municipalities) in southwest China over the past 10 years, and also characterize the current state and

problems of unbalanced economic and social development of ethnic areas in southwest China through a comprehensive assessment (an empirical study of the imbalance and causes of insufficient economic and social development) and proposals for ways to improve the situation.

During a detailed review of the text of the dissertation work, scientific works of the recipient, study of the report on the results of the plagiarism check (Unicheck program), no grounds for doubting the academic integrity and level of scientific training of the recipient were established. The text of the dissertation is consistent with the dissertation's scientific works, which have undergone a double-blind review, which is also a confirmation of the absence of signs of falsification of the research results.

The dissertation work of Li Zongkeng on the topic "Management of socio-economic development of the southwestern provinces of China" is the result of the applicant's independent research and does not contain elements of plagiarism and borrowing according to the resolution of the CMU dated 12.01.2022 No. 44, paragraph 9. The used ideas, results and texts of other authors have a link to the corresponding source.

Number of scientific publications

The main scientific provisions and results of research on the topic of the dissertation were published in 10 scientific works, including: 3 articles in specialized scientific publications of Ukraine, all included in international scientometric databases; 3 articles were published in scientific periodicals of the Organization for Economic Cooperation and Development, which are included in the Scopus scientific-metric database; 4 theses in materials of scientific conferences. The total volume of publications is 2.23 sheets, of which 1.25 sheets. belongs to the author personally.

List of publications:

a. Publications highlighting the main scientific results of the dissertation:

1. Li Zongkeng, Li Zhuoran, Andrii Mykhailov, Wei Shi, Yang Zhuquan, Xia Surong (2021). Evaluation and Analysis of Socio-Economic Development Level and Management in Guangxi province of China. Vol. 39 No. 5: Special Issue: Innovation in the Economy and Society of the Digital Age <https://doi.org/10.25115/eea.v39i5.5089>
 2. Haiyan Yin, Zhiping Huo, Nataliia Klietsova, Zongkeng Li, Yongsheng Zhang (2021). Innovations in Human Resource Management: Willingness and Ability of Long-Term Care Insurance. Marketing and Management of Innovations (MMI), Issue2, p.261-277. <http://doi.org/10.21272/mmi.2021.2-22>
 3. Kuang Yushu, Li Zongkeng, Pan Changliang (2022). The Construction of Conceptual Framework of Enterprise Internal Control Evaluation Report. Journal of Sensors, vol. 2022, Article ID 2753001. <https://doi.org/10.1155/2022/2753001>.
 4. Li Z., Li Z., Sokhan I., Zhuquan Y. (2023) "Study on the Features of Balanced Economic and Social Development in Ethnic Regions of Southwest China under the Perspective of Common Prosperity." Business Inform 4:21–26. <https://doi.org/10.32983/2222-4459-2023-4-21-26>
 5. Сохань, І., & Li, Z. (2023). Контрзаходи подолання соціально-економічної нерівності в районах етнічних меншин південно-західного Китаю. *Економіка та суспільство*, (52). <https://doi.org/10.32782/2524-0072/2023-52-94>
 6. Сохань, І., & Zongkeng, L. (2023). Концепція надання державних послуг у провінціях південно-західного Китаю. *Економічний простір*, (185), 132-135. <https://doi.org/10.32782/2224-6282/185-23>
- b. publications confirming approval of dissertation materials*
7. Li Zongkeng, Li Zhuoran (2020). Domestic waste management in Chinese rural areas. Сучасний менеджмент: тенденції, проблеми та перспективи розвитку: V Міжнародна науково-практична конференція молодих вчених і студентів: тези доповідей, (Дніпро, 23 квітня 2020 р.). [Електронний ресурс]. – Дніпро: Університет імені Альфреда Нобеля, 2020. – р.149-150. ISBN 978-966-434-485-9.

https://ir.duan.edu.ua/bitstream/123456789/3019/3/Макет_Тези%20менеджмент_ГОТОВО_.pdf

8. Li Zongkeng, Li Zhuoran, Xia Surong (2020). Research on the current situation and countermeasures of rural tourism development in China. *International scientific journal "PROGRESS"* 2020, №3-4, ISSN: 1512-0422
https://dspace.nplg.gov.ge/bitstream/1234/326102/1/Progresi_2020_N3-4.pdf

9. Li Zongkeng, Li Zhuoran (2022). Multi-domain Collaborative Path Study of Public Service Supply in the Ethnic Minority Areas of Southwest China, Матеріали Всеукраїнської наукової конференції студентів і аспірантів, присвяченої Міжнародному дню студента – (14-18 листопада 2022 р.). – Суми, 245 с.

10. Li Zongkeng (2023). The economic and social development in the southwest ethnic minority areas in China. Матеріали науково-практичної конференції викладачів, аспірантів та студентів Сумського НАУ (25-28 квітня 2023 р.), Суми, 420 с.

c. publications, to additionally reflect the results of the dissertation

11. Pan Changliang, Li Jinfang, Li Zongkeng, Zhuo Qingfeng, Video application analysis platform software V1.0 for all-area intelligent rural governance (Computer Software Copyright: 2022.04.30 #11086048)

Remarks and wishes for the content

From the text of the dissertation submitted for review, a conclusion can be drawn about the scientific maturity of the dissertation's author: his ability to see current problems in the field and willingness to solve them at a sufficiently high scientific level. In general, Li Zhongken's dissertation is a complete independent study in its content and form. Positively assessing the scientific and practical significance of the dissertation work, I consider it necessary to point out a number of debatable provisions:

- in the theoretical part of the dissertation, the author describes normative and positive approaches to the theory of public goods (improving the quality of life of the population through the socio-economic development of regions) with the inherent

characteristics of the People's Republic of China, without mentioning non-economic factors of social interaction.

- in p.p. 1.3 Fig. 1.1, it is not clear how this methodology was implemented to achieve the results of the dissertation work;

- in p.p. 2.1., speaking about the experience of managing the uneven development of the regions of China, the author pays too much attention to the Marxist historical-formatinal approach, however, more attention should be paid to the globalization concepts of development, to analyze which of them can be used in modern Chinese realities, and which, unfortunately, no;

- in chapter 2, the author unsuccessfully selected the interpretation of the legend in the visual representation of the research results, which makes Fig. 2.1-2.12 unclear and difficult to understand;

- by formulating proposals for strategies and measures for managing the development of the regions of the PRC (subsection 3.3), it would be appropriate to use visualization tools - drawings, diagrams - to visualize the formulated provisions;

- to illustrate the problems of implementing long-term measures to smooth out the uneven development of the regions of the PRC (subsection 3.2), it would also be possible to provide certain prognostic data or the results of expert assessments.

However, the indicated comments and wishes do not fundamentally affect the overall positive assessment of the dissertation work, are not fundamental and do not reduce its rather high overall assessment.

Correspondence of the dissertation to the specialty and profile of the board

Dissertation work by Li Zongkeng on the topic "Management of socio-economic development of the southwestern provinces of China", which was submitted for defense to a specialized academic council for obtaining a degree doctor of philosophy in the field of knowledge 07 management and administration with a specialty 073 management in terms of its relevance, scientific and theoretical level, main results of validity, main provisions and results published in professional


publications, novelty of the setting and practical significance meets the requirements of the order of the Ministry of Education and Culture of Ukraine No. 40 of January 12 of 2017 "On the approval of the requirements for the preparation of the dissertation" and Resolution of the Cabinet of Ministers of Ukraine of January 12, 2022 No. 44 "On the approval of the Procedure for awarding the degree of Doctor of Philosophy and the cancellation of the decision of the one-time specialized academic council of the institution of higher education, scientific institution on awarding the degree of Doctor of Philosophy" with changes introduced in accordance with Resolution of the Cabinet of Ministers No. 341 of March 21, 2022. The content of the dissertation corresponds to the passport of the specialty.

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Підпис завіряється

ПІДПИС 
ЗАСВІДЧУЮ
ПРОВІДНИЙ ФАХІВЕЦЬ БЕЗПЕЧЕННЯ

