

## **REVIEW**

**PhD in economics, Professor, Head of the department of finance,  
banking and insurance**

**Sumy National Agrarian University**

**Mykhaylo HEYENKO**

**for Li Zongxi dissertation on the topic «Research on physical education  
management in Chinese colleges and universities»,  
applied for the degree of Doctor of Philosophy  
from the field of knowledge 07 – Management and administration  
in the specialty 073 – Management**

### **1.Relevance of the topic of the dissertation.**

The relevance of Li Zongxi research topic «Management of physics education in Chinese colleges and universities» is due to the increasing requirements for the training of specialists in this field, which require deep theoretical knowledge, practical skills, creativity and constant self-education considering the development of science and technology. In addition, competitiveness on the labor market becomes an important aspect requiring managerial measures to ensure high quality training.

One of the key tasks of physical education management in Chinese colleges and universities is the compliance of the educational process with the requirements of contemporaneity. This includes the use of modern educational technologies, the involvement of leading experts in physical education and the creation of favorable conditions for educational and practical activities of students. The management of physics education in colleges and universities is a complex task that involves the joint efforts of all participants in the educational process - academic staff, students and administration, and requires a clear understanding of its importance.

The contemporary educational system is faced with significant changes in approaches to learning and knowledge acquisition. Processes of globalization, technological development, and increased information accessibility require a new way of thinking about the physics education management in colleges and universities. Nowadays, academic staff in higher education institutions play more complex role than ever before, because in addition to imparting knowledge, they also formed the skills of education seekers and prepare them for life in a rapidly changing world.

The above determined the relevance and practical significance of Li Zongxi dissertation «Management of physics education in Chinese colleges and universities», aimed at solving an important scientific and applied task regarding physics education management in colleges and universities.

## **2. Connection with scientific topics.**

The dissertation work was carried out in accordance with the research plan of the Sumy National Agrarian University, in particular, during the implementation of the research work «Formation of a management mechanism for innovative development of a higher education institution» (state registration number 0121U108135), where the author investigated the evaluation system of physical culture and sports management in colleges and universities, as well as within the framework of the topic «Development of management in the conditions of international integration processes» (state registration number 0119U001336), in which the author investigated the main trends and evaluated the foreign experience of managing physical education in colleges and universities.

## **3. Scientific novelty and theoretical significance of the dissertation.**

The scientific provisions, conclusions and recommendations presented in the dissertation work are sufficiently substantiated, have a scientific content and significance in the field of knowledge of management and administration. The obtained scientific results are reliable and based on research of theoretical and empirical content. The formulated goal corresponds to the topic of the research, the object and subject of the research meet the scientific and methodological requirements.

The scientific presentation of the content of the dissertation is determined by the combination of the purpose, tasks, scientific novelty and conclusions. The presented dissertation research is a logical, structured and complete scientific work. The orderliness of the stages of work and the systematicity of the research process made it possible to solve the scientific and applied tasks regarding the management of physical education in Chinese colleges and universities.

The purpose of the study is to substantiate the theoretical, methodological, methodological and practical foundations of physical education management in the new period, and the main factors affecting the theory and practice of physical education management in colleges and universities have also been clarified.

The purpose and tasks of the research were achieved by the author using a system of general scientific and special methods: monographic method, which involves the collection of research information base, review and generalization of relevant literary sources; system analysis – conversation and consultations with physical education specialists of colleges and universities, identification and systematization of general problems of physical education management; the Delphi method – analysis of indicators of assessment of the physical education management system of colleges and universities, determination of the impact of the development

and management of the physical education system of the college in the research process; the method of case analysis, which involves the study of the management system of physical education in developed countries; method of analogies – based on the analysis of each factor of physical education management in colleges and universities, each factor was analyzed by association and induction; graph theory method - an abstract and simplified organizational structure, system operation, and system relationships in college and university physical education management, and describes the characteristics and internal relationships using graphs.

Scientific works of foreign scientists on economic theory, systems theory, management, management and administration, change management, project approach, current legislation and regulatory acts became the information base of the research.

The dissertation student adhered to academic integrity and the norms of copyright law, violations of which, as well as academic plagiarism, were not detected. In the dissertation work, there are references to the relevant sources indicated in the list of used sources, the personal contribution of the author in the published scientific works in co-authorship is determined.

The dissertation contains a number of formulated and substantiated scientific propositions that have theoretical and practical significance. We consider the following to be the most important scientific results:

*first received:*

- the theoretical and methodological principles of the analysis of the theory of management of physical education of the college of the new era were developed, which defines the boundaries of the research and the main points of observation;
- a methodology for building a system of evaluation indices for physical education management in Chinese colleges and universities was developed.

*improved:*

- the basics of research on the organizational structure, mechanisms of the sports industry and its relationship with the management theory of physical education management in the college of the new era have been improved;
- proposals were developed to optimize the organizational design of physical education management in Chinese colleges and universities;
- the method of analysis and comparison of physical education management system models in Chinese colleges and universities has been improved;

*acquired further development:*

- a systematic analysis of the evolution of physical education management methods and corresponding systems in Chinese colleges and universities, as well as

the application of physical education management methods in practice.

- the strategy for identifying key problems of the physical education management system in colleges and universities has been improved and optimized;
- planning to optimize the development of physical education management in colleges and universities in the post-epidemic period in the context of China's global economic integration into the world society.

#### **4. Practical significance of the results of the dissertation**

The scientific significance of the research results lies in the resolution of an important scientific and applied research on the process of physical education management in colleges and universities.

The practical significance of the results obtained in the work lies in the applied application of the proposed complex of methodological principles and applied proposals in the process of managing physical education in colleges and universities. Proposals regarding the management of physical education in colleges were reflected in the activities of the Separate Structural Unit «Sumy College of Sumy National Agrarian University».

#### **5. The main results obtained personally by the author.**

The dissertation is a complete scientific work. Her manuscript contains a complete set of structural elements corresponding to the established requirements: abstract, introduction, three sections, conclusions, list of used sources, appendices. The total volume of work is 204 pages. The work contains 21 tables and 7 figures. The list of used literature includes 207 sources. The dissertation is enriched with logical schemes, structured tables, graphic interpretations, which allow to comprehensively perceive the conducted research as a detailed and generalized scientific work.

The abstract of the dissertation fully reflects its structure, reveals the obtained scientific results and conclusions, the structure and ordered logic of the conducted research.

The introduction to the dissertation contains all structural elements, including information on the practical approbation of the research results, as well as the author's personal contribution to scientific works published in co-authorship.

In the first chapter «Theories and methods of physical education management in colleges and universities» conceptual and categorical apparatus of the dissertation work, the environment and trends of management of physical education in colleges and universities are investigated; the main concepts, types of management and the course of development of physical education management in colleges and universities, as well as the systemic functioning of physical education management

in colleges and universities. It is emphasized that China's physical education management system is at the stage of development decline. The country should as soon as possible create a capable sports management system taking into account Chinese specifics in accordance with the direction of China's sports reform and development. On the one hand, it emphasizes the full use of the advantage of the current regime of sports management in colleges and universities and suggests paying attention to its continuous improvement, generalization and improvement. On the other hand, at a certain stage, it is advisable to boldly abandon the old management regime, use the best management experience both at home and abroad, learn effective and advanced measures, and create a new physical education management regime system that is suitable for China's national conditions to promote its development.

In the second chapter «Evaluation and analysis of physical education management education in colleges and universities» the issues of assessment of management of physical education in colleges and universities, management of financial and material tools for building an effective system of management of physical education in Chinese colleges and universities are investigated, a model of the management system of physical education in colleges is developed and universities. There is a need to strengthen the idea of democratic management, pay attention to the democratization of the entire process of learning, decision-making, planning, implementation, control and inspection, the introduction of democratic decision-making principles, as well as increasing the effectiveness of scientific research in decision-making. It is proven that the process of higher education management is a process of general design, dissemination and implementation, unified understanding, selection of key points, comprehensive promotion and effective combination of educational research with educational practice.

The third chapter «Exploration and Application of Physical Education Management in Chinese Colleges and Universities» examines the issue of building a physical education management system in Chinese colleges and universities, the working mechanism of the sports industry in Chinese colleges and universities, a comparative study of physical education management between China and Ukraine, as well as strategy for the development of management of physical education in Chinese colleges and universities. The concept of management modernization is proposed, due to the fact that modern education management should have modern characteristics, clearly keep pace with modernity, constantly introduce innovations, update means, maintain best practices. The necessity of creating a concept of sustainable management and implementing a fair policy, creating a sustainable

environment of fair competition and implementing a sustainable mechanism of adaptation to the conditions of modern development is noted. Physical education in colleges and universities is the most important platform for building the sports cultural literacy and sports ability of the whole Chinese society in the future.

In terms of content, structure and design, the dissertation fully meets the requirements of the Ministry of Education and Science of Ukraine. The work is written in English, which does not contradict Article 22 of the Law of Ukraine «On Ensuring the Functioning of the Ukrainian Language as a State Language».

An analysis of the plagiarism check report for the presence of textual borrowings (Strike plagiarism program) was carried out. The reviewers came to the conclusion that the dissertation work Li Zongxi on the topic «Management of physics education in Chinese colleges and universities» is the result of independent research of the recipient and does not contain elements of plagiarism and borrowing in accordance with the resolution of the CMU dated 12.01.2022 No. 44, paragraph 9. Used ideas, results and texts of other authors have a link to the corresponding source.

#### **6. Number of scientific publications.**

The scientific provisions of the dissertation work were published by the author in 18 scientific works, of which 2 articles were published in a scientific specialist publication included in the Scopus/WoS database, and 3 articles were published in specialized publications of Ukraine. The number of publications is sufficient to present the thesis for defense.

Scientific publications meet the requirements of clauses 8, 9 of the Procedure for awarding the degree of Doctor of Philosophy and canceling the decision of the one-time specialized academic council of a higher education institution, scientific institution on awarding the degree of Doctor of Philosophy (Decree of the Cabinet of Ministers of Ukraine dated January 12, 2022, No. 44). Acquaintance and detailed analysis of the presented scientific works makes it possible to assert that the elements of scientific novelty, on which the dissertation is positioned, are fully explained in the articles and theses of the reports. The content of the publications, the characteristics of the publications in which they are placed meet the requirements for the publication of the scientific provisions of the dissertation work. Of the scientific works published in co-authorship, only the author's work was used in the dissertation, as indicated in the list of publications. Thus, there are reasons to claim that the dissertation research contains the author's scientific vision regarding the achievement of the set goal and the solution of the specified scientific and applied task.

## **7. Remarks and wishes regarding the content.**

In general, while positively assessing the scientific and practical significance of the research, the dissertation has certain shortcomings and debatable points.

1. The first chapter of the dissertation on page 54 presents the organizational scheme of the management of physical education in colleges and universities, and the third chapter of the dissertation on page 121 presents the basic diagram of the management structure of physical education in Chinese colleges and universities.

The difference in the interpretation of issues of organizational support of the physical education management system and training in colleges and universities needs to be clarified.

2. In the second chapter of the dissertation, the author uses the term of «sustainable management concept», which, according to the author, involves taking responsibility for formulating and implementing honest policies, creating a stable environment of fair competition, and establishing a stable adjustment mechanism to adapt to the development of the situation in order to achieve the goal of general improvement of management efficiency. Considering the novelty and relevance of this concept, it would be advisable to pay more attention to revealing its essence, as well as developing a plan of actions that need to be carried out in colleges and universities to achieve it.

3. Proposing an index system for assessing the effectiveness of the physical education management system, the author identifies indicators of the first, second and third levels (pp. 76-79). There is a need for more detailed justification as to why these particular indicators, especially the third level, are important, and whether they are typical for colleges and universities in the People's Republic of China.

4. The author's research on the impact of the sports industry and the management system of physical education in colleges and universities on the growth of key macroeconomic indicators, such as gross domestic product, is important. In addition, the author states that an important component of the management system is the formulation of long-term development plans, promoting management reform and innovation, developing talent and strengthening international cooperation. In this regard, it would be appropriate to make forecast calculations for the period up to 2030-2040 based on the correlation between the increase in funding for the sports industry and physical education and the main macroeconomic indicators of the country's development.

5. Carrying out a comparative analysis of the management of physical education in colleges and universities of the People's Republic of China and Ukraine in subsection 3.3 of the dissertation, the author pays more attention to the macro level, that is, to the

general administration by state authorities. It would also be useful to evaluate the effectiveness of the physical education management system at the level of individual colleges and universities, as well as to cite the best experience of the management system that could be recommended for implementation in colleges and universities in both countries.

6. When assessing the research positively, it is necessary to pay attention to the formulation of the conclusions in the chapters of the dissertation, in particular in chapter 3 on pages 179-180. Conclusions 3, 5, 7 need to be disclosed in detail, considering the conducted research in the dissertation.

However, these comments are the subject of scientific discussion and do not reduce the overall positive impression of the dissertation.

### **8. Correspondence of the dissertation to the specialty and profile of the council.**

Li Zongxi's dissertation on the topic «Research on physical education management in Chinese colleges and universities», which was submitted for defense to the specialized academic council for obtaining the degree of Doctor of Philosophy in the field of knowledge – 07 Management and administration, specialty – 073 Management according to its relevance, scientific-theoretical level, main results of justification, main provisions and results published in professional publications, novelty of the production and practical significance, it meets the requirements of the order of the Ministry of Education and Science of Ukraine №40 from 12.01.2017 «On approval of requirements for the preparation of a dissertation» and Resolution of the Cabinet of Ministers of Ukraine dated from 12.01.2022 №44 «On 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 a higher education, scientific institution on awarding the degree of Doctor of Philosophy» with changes introduced in accordance with Resolution of the Cabinet of Ministers №341 21.03.2022. The content of the dissertation correspondence to the passport of the specialty.

### **REVIEWER**

**Head of the Department of Finance,  
Banking and Insurance  
Sumy National Agrarian University  
PhD in Economics, Professor**

**Mykhaylo HEYENKO**  
*Гейенко М.*  
*Госек М. Ю. Шевченко*

