

The Transformation and Implementation of Scientific Research Evaluation System in University under the New Era Background

Jun Liu

Guangdong Police College, Guangzhou 510230, China

ABSTRACT. *Improving the scientific research evaluation system of colleges and universities is an issue that colleges and universities in China attach great importance to, but there are still many problems in the scientific research evaluation system of colleges and universities in China from the current situation. From the perspective of the scientific research evaluation system itself, ignoring the quality of the evaluation content and attaching importance to the quantity of evaluation content, the simple evaluation mode, and the too single evaluation index are all important factors that affect the development of the university research evaluation system in China. Therefore, colleges and universities should constantly improve on existing problems when conducting scientific research evaluation, in order to promote the development and transformation of the scientific research evaluation system of colleges and universities in the new era, by improving the scientific research evaluation system, focusing on the overall development of the evaluation system, establishing a targeted scientific research evaluation system and other measures to achieve the development of university scientific research evaluation system.*

KEYWORDS: *New era background, Universities, Scientific research evaluation system, Implementation strategy*

1. Introduction

At present, most developed countries in the world have established a relatively complete scientific research evaluation system, and have accumulated rich relevant experience in the long-term development process. But looking back at China, although education is also in the process of continuous development, there are still many problems in the scientific research evaluation system, and it limits the development of the scientific research in China. With the continuous development of our society, the contradiction between the scientific research evaluation system of universities and social development is becoming more and more obvious. Too much emphasis on results and ignoring process, too much attention on quantity and ignoring quality are some problems in the current scientific research evaluation system. It has also led to various problems in Chinese scientific research. However, the establishment of a scientific research evaluation system is not a one-time process. It requires continuous practice and exploration before it can form a scientific, reasonable, comprehensive and objective scientific research evaluation system that is conducive to the development of universities.

2. Significance of Perfecting University Scientific Research Evaluation System in the New Era

Science is the primary productive force and an important driving force for economic development and even national prosperity. Therefore, the scientific level of a country can reflect the strength of the country's international competitiveness to a certain extent. Especially in the new era, it is very important to improve the national scientific level. However, compared with some Western developed countries, China's education level is relatively low, and the level of modernization is developing slowly. Under this influence, technological innovation capabilities are relatively backward, and high-quality talents are also lacking. The level of scientific research in China is relatively backward because of the influence of these factors, and even limits the development of the economic level. In the new era, many problems have been exposed in the scientific research evaluation system of universities in China. Therefore, improving the evaluation system of scientific research in colleges and universities can alleviate the existing problems to a large extent, improve the overall development level of the country on the basis of improving the scientific research capacity of colleges and universities in China, and ultimately promote the development of China's economic undertakings.[1]

3. Problems in Scientific Research Evaluation System of Colleges and Universities in the New Era

3.1 To Ignore the Quality of the Evaluation Content and Attach Importance to the Quantity of Scientific Research Evaluation Content

Judging from the current scientific research evaluation system of colleges and universities in China, it is a serious problem to attach importance to the quantity of evaluation content and ignore the quality of evaluation content.[2] The existence of this problem can easily lead to the phenomenon of repeated research in the process of scientific research in Chinese universities, and the continuous increase in the number will also increase the difficulty of finding effective research materials. The standards for evaluating the teaching and research ability of teachers in Chinese universities are mainly the reference to the number of papers published by teachers and the level of related papers. But this standard obviously puts the emphasis on the quantity of scientific research achievements, but it does not pay enough attention to the quality and innovation of scientific research content. In this way, the actual scientific research ability of colleges and universities will be affected.

3.2 The Evaluation Mode is Too Simple, and the Division of Subjects is Not Clear

The second problem in the current scientific research evaluation system of universities in China is that the evaluation mode is too single and the subject division is not clear. Although our country has a set of scientific research evaluation system, the current scientific research evaluation system can not classify basic disciplines and theoretical disciplines according to the content of scientific research achievements, but because the scientific research content and scientific research direction are different, so it can not be judged according to the same evaluation criteria, so it is easy to have contradictions in the evaluation. Regardless of any industry or field, China currently relies on papers, books, scientific research projects and other content as evaluation criteria. Such a method is obviously not scientific enough, and it seriously ignores the differences between disciplines.

3.3 The Evaluation Index is Too Single, Which Affects the Scientific Nature of Scientific Research Evaluation

If the evaluation index is too single, it will also affect the scientific nature of university scientific research evaluation. I have to admit that the current scientific research evaluation system in Chinese universities lacks a scientific and rational index system. The number of papers and scientific research projects have almost become the only evaluation criteria. Therefore, under this influence, teachers who over-emphasize professional titles will forget the meaning of education and scientific research, and will focus on the use of the number of papers to pursue evaluation indicators. Although it is also for scientific research, the efficiency of scientific research will still be greatly affected because of the different starting points. Moreover, the main body of the scientific research evaluation in universities is the administrative department of the university, and the scientific nature will naturally be affected.[3]

4. The Implementation Strategy of University Scientific Research Evaluation System under the New Era

4.1 To Improve the Scientific Research Evaluation System and Focus on Multiple Evaluations

In view of the current unscientific scientific research evaluation system in China's universities, China's academia must continuously improve the relevant scientific research evaluation system, focusing on the diversified development of evaluation subjects.[4] In the process of conducting scientific research evaluation, colleges and universities should change the situation where the school administrative department was the only evaluation subject in the past, enrich the evaluation subject, and ensure the scientificity and rationality of scientific research evaluation. Especially peer evaluation is an important way and means to ensure scientific evaluation of scientific research. Relatively speaking, peers are also competitors to a certain extent. If they can pass the recognition between peers, it is enough to eliminate the shortcomings of previous scientific research evaluations. In addition to peer evaluation, colleges and universities also need to add multiple departments for evaluation. It is best to establish a comprehensive evaluation system that includes the administrative department as the main body and other departments as the auxiliary.

4.2 To Focus on the Multi-Level and Multi-Directional Development of the Evaluation System

In addition to improving the scientific research evaluation system and multi-agent evaluation, it is also necessary to ensure the multi-level development of the evaluation system. In view of the scientific evaluation system of western developed countries, the scientific research evaluation system of developed countries is rich in level. Not only the evaluation subject involves many departments, but also different research subjects have a clear division of labor. More importantly, the evaluation methods and evaluation standards are also sufficient. Therefore, China should learn from the advantages of western countries and change the traditional method of scientific research evaluation, not only focusing on the quantity of scientific research results, but also taking the quality of scientific research results, scientific research results, and scientific research processes as evaluation criteria. On the basis of the stable development of Chinese scientific research, it provides a more free development environment for various types of scientific research projects.

4.3 To Establish a Targeted Scientific Research Evaluation System Based on Subject Projects

In order to ensure that the scientific research evaluation system of colleges and universities can be gradually improved in the context of the new era, the academic community also needs to establish targeted evaluation systems and evaluation standards according to different discipline projects.[5] From the perspective of Chinese current scientific research evaluation system, the focus is still on theoretical content research and basic research, and there is still a lack of relatively complete evaluation standards for practical and applied scientific research projects. Although some applied scientific research results have achieved good social benefits, they have not been recognized by the academic community. This situation is unfair to scientific research projects. Therefore, the academic community should formulate targeted evaluation standards and evaluation contents for basic research, theoretical research and applied research. Secondly, corresponding enrichment should also be carried out, using the scientific research process, scientific research results, and the benefits generated by scientific research results as evaluation indicators, in terms of evaluation standards. Only in this way can the fairness and scientificity of scientific research evaluation be guaranteed.

5. Conclusion

In the new era, some problems have been exposed in the scientific research evaluation system of colleges and universities in China. These deficiencies and defects not only affected the development of Chinese scientific level, but also affected the country's competitiveness. Therefore, the academic community should deeply understand these issues, and actively promote the development and improvement of the university scientific research evaluation system, and finally establish a complete, scientific and reasonable university scientific research evaluation system.

References

- [1] Fan Wusan, Xie Xingzheng (2018). The power mechanism of universities in the new era to build a scientific research and education system [J]. *Science and Technology of Chinese Universities*, no.7, pp.41-43.
- [2] Wang Jianli, Fan Zhaojuan (2018). Value return and appeal of university scientific research evaluation in the new era and new contradictions [J]. *Industrial Technology and Vocational Education*, vol.16, no.3, pp.50-53.
- [3] Chen Nannan (2017). Trying to learn from foreign experience to improve the scientific research evaluation system of Chinese universities [J]. *Higher Education Exploration*, no.1, pp.100-104.
- [4] Zhang Fuli, Chen Yiqing (2019). Research status of university scientific research evaluation and classification evaluation system [J]. *Journal of Shandong University of Technology (Social Science Edition)*, vol.35, no.3, pp.54-59.
- [5] Li Mei (2019). Thoughts on the reform of scientific research evaluation system in colleges and universities under the background of “double first-class” construction [J]. *Think Tank Era*, no.38, pp.130-131.