

# Analysis on Problems of Scientific Research Management in Private Colleges

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**Abstract:** This article analyzes the current problems of scientific research management in private colleges and universities and proposes targeted solutions according to the problems, so as to achieve the ultimate goal of improving the scientific research management level of private colleges.

## 1. Introduction

With the implementation and deepening of China's "rejuvenating the country through science and education" strategy, China's universities have made remarkable achievements in scientific research management. Compared with public universities, the research work of private universities in China starts late and is low-level, and the quality and level of scientific research management is relatively weak. Research disadvantage has become a common feature of many private universities. Correctly understanding the important role of scientific research in the healthy development of private colleges and Universities, actively exploring scientific research management measures suitable for the development characteristics of private colleges and universities, and effectively improving the level of scientific research and management, have become a realistic problem that private college scientific research managers must face.

## 2. Analysis of Related Research Status in China and Abroad

### 2.1 Current status of foreign research

The research management of foreign universities is mainly focused on the management of scientific research funding, that is, the implementation of scientific research funding budget management. The scientific research funding mainly comes from the government and funds, such as the research funding of Berkeley, California, from the federal government, non-profit institutions, and the California government accounts for more than 80%. The cultivation of talents and projects in the United States is closely related to the tutor Ph.D. and his scientific research projects. The academic support team is very large in the first-class universities in the United States. Many foreign universities have a common feature: the students' academic is free and professors lead subject development. The American multi-leader system is more typical. Comparison of scientific research and educational load in foreign universities, according to relevant data records: Generally speaking, the workload of professors in research universities, the average teaching job is 46%, the research job is 32%, and the service job is 22%. The university is more advanced and more first-class, the proportion of its research is higher. In 1992, Valentine proposed the role of university scientific research managers would change from management to the market. They will be responsible not only for the use of funds, but also for the use of scientific research results. Joe passed the research which is conducted separately (80 valid questionnaires), and it is concluded that the situation of scientific research management in universities is closely related to the different types of universities (different by the amount of annual scientific research funding). The degree of similarity is large, and the scientific research management practices of universities with different amounts of funding vary greatly.

## **2.2 Status of domestic research**

Professor Xuetian Xiang of East China Normal University once gave a complete definition of scientific research management in universities: Scientific research management in universities is based on the development laws and management principles of science and technology and higher education. In order to achieve the stated goals, the scientific research activities of universities are conducted through various links in the scientific research process. An organizational activity that involves planning, organizing, controlling, and summarizing people, finances, things, time, information, and effects to achieve the best completion of scientific research projects. Wan Junkang divided the specific content of scientific research management into the following aspects: formulate science and technology policies, select research directions and tasks, formulate plans, organize scientific researchers to establish corresponding scientific research organizations, provide material conditions for scientific research which includes funds, materials, experimental equipment and effective management (such Management includes not only the management of physical capital, but also the proper handling of their ownership relationship, so that scientific research conditions can give full play to the applicable efficiency), provide and manage the information needed for scientific research, conduct necessary research and development for scientific researchers and scientific research managers training, identify, manage and promote scientific research results.

## **3. Problems in Scientific Research Management of Private Universities**

The school's position on scientific research is not accurate. Due to the late start of private colleges and young teachers and most of the private colleges are located in teaching-oriented universities, their scientific research accumulation is weak, and even a considerable number of private colleges and universities are in zero research.

The scientific research management system and mechanism are not perfect. Many universities have not paid enough attention to the establishment of scientific research organizations and institutions, the formulation of scientific research management systems, the establishment of scientific research assessment and evaluation systems, and have not yet formed a scientific, standardized and orderly scientific research management system. Most private universities only pay attention to the number of projects, papers, patents, etc., and these are directly linked to the promotion and promotion of scientific research workers, resulting in duplication of low-level research, leading to more theoretical research, less applied research, and it is difficult to generate high levels research results.

The scientific research management model is backward. Scientific research managers have invested a lot of time and energy in project declaration, mid-term inspection, final acceptance, etc. The scientific research managers are limited to complicated administrative tasks and cannot achieve precise management of projects. While the ministry usually only performs the upload and release work, the formal review and project supervision are not really implemented. In the end, the management and review work are left to the scientific research management department.

Scientific research management methods are relatively backward. The vast majority of private colleges and universities have a single source of income. In addition to collecting student tuition, they have limited financial revenue from the government and invest less in scientific research management. Therefore, scientific research management remains in the circulation of paper materials and the manual operation stage of scientific research managers. When calculating various types of scientific research data, it is generally done by using excel forms and consulting paper materials, which causes a lot of repeated labor and reduces work efficiency.

The comprehensive quality and business level of scientific research managers need to be improved. Scientific research managers face professional teachers and various types of science and technology, so they need to understand both scientific research management knowledge and professional scientific knowledge.

Weak research power and insufficient team building also need to be improved. Compared with public universities, private universities have a relatively short history. Most of them have young and

middle-aged teachers as their backbone strength. Weak research power makes it difficult for the research team to form. The level of awareness of the topic is still relatively weak. The reasons for this problem are: ① the teachers of private universities are highly mobile, and many scientific research personnel with senior professional titles choose to leave in order to seek a development platform. ② young teachers often update and accumulate scientific research and their own majors, pay inadequate attention to promotion and lack of initiative. ③ The teaching tasks are heavy and there is no time for teachers to make scientific research.

#### **4. Analyze Subjective and Objective Reasons for Scientific Research Management Problems**

Objective reasons: Colleges and universities do not attach importance to scientific research management, and they have fewer staff and capital investment in this area, such as the lack of scientific research management systems and insufficient staffs.

Subjective reasons: the scientific research managers themselves are not learning enough, the secondary managers have multiple positions, the personnel are highly volatile, and the level of scientific research personnel is uneven.

#### **5. Suggestions for Improving Scientific Research Management in Private Universities**

##### **5.1 The first advice is to improve the scientific research policy system by developing a scientific and complete management system.**

So, we need to construct system, clarify responsibilities, rationalize division of labor, and strengthen project process and result management to create a good scientific research atmosphere in the school.

##### **5.2 The second advice is to strengthen the construction of scientific research management teams.**

In the era of big data, higher scientific research management is required by private universities. The scientific research management department of universities should adhere to the concept of high-quality services, adapt to local conditions, combine the professional characteristics of scientific research personnel and strengthen the scientific research management team cultivation and construction.

##### **5.3 The third advice is to strengthen the scientific city and operability of scientific research statistics and establish a scientific research management platform suitable for our university.**

At the focus of management innovation, we should strive to find a management system that suits our needs, which is not only conducive to the reporting of scientific research statistics of universities, but also can be realized the standardized management of scientific research projects and scientific research results and provide strong basis for the reporting of achievements and management assessment.

##### **5.4 Guiding the market ization of scientific research results and realizing the organic combination of production, teaching, and research are also useful.**

The schools should guide scientific researchers to focus on the economic value of results, help them to transform the results into operable technologies and products as much as possible, convert the independent innovation results into patents, and protect their knowledge property.

#### **6. Conclusion**

It is very important for colleges and universities to do a good job in scientific research. All scientific research activities are inseparable from the scientific research management and coordination of the school. The scientific research management of private colleges must be combined with the situation of private colleges and universities, and they must have a correct

understanding. To turn management behavior into service behavior, we must take the road of specialization, improve the efficiency of scientific research management, and give full play to the advantages and characteristics of private universities. Schools must have a complete set of scientific research management systems of their own, so that the emergence of scientific research can be resolved. In the future work, we will find problems and correct them in a timely manner, so that scientific research management is more standardized, institutionalized, procedural, and scientific to make private scientific research truly serve the education and teaching reform of applied universities, and the local economy, society, and culture, development services.

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