

Research on the Strategy of Improving the Ability of Scientific Research in Private Universities

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Keywords: Apply for a doctorate; Private University; Research ability; Promotion strategy

Abstract. The shortcomings of scientific research are undoubtedly the bottleneck of applying for doctoral programs in private universities. The constraints on the improvement of scientific research capacity of private universities are time-critical, the application for doctoral programs is improved, and the competition for outstanding innovative talents is intensifying. The strategies to enhance scientific research capabilities include reserve strong strategy, excellent innovation strategy, collaborative innovation strategy, long-term strategy, capital-driven strategy and institutional innovation strategy. With a master's degree, the private high-correction seizes the opportunity to try to rank among the top private universities in China.

The existing literature has reached a consensus on the importance of scientific research in private universities^[1], and has considered related issues^[2]. Relevant research systems have analyzed research platforms^[3], research quality improvement mechanisms^[4], academic papers^[5], scientific research competitiveness^[6], scientific research output, improvement strategies^[7], including research funding^[8]. The scientific research management^[9-10] and other issues have basically clarified the status of research work in private universities^[11], existing problems and strategies^[12-17]. Among them, the issue of improving the scientific research ability of private universities^[18-19] has been highly concerned. This paper intends to apply for the doctoral program as a goal, and to explore in depth the strategies for improving the scientific research ability of private universities.

The Status Quo and Gaps in the Research Capabilities of Private Universities Applying for Doctoral Programs

The Status of Scientific Research Ability of Applying for Doctoral Programs in Private Universities. Breakthroughs in papers and project filings. Private universities with master's degree awards are often in the forefront of national private universities, and have published a large number of core journal articles, including a considerable number of CSCD journals and a number of SCI journal articles. In recent years, it has been approved by the National Natural Science Foundation and the National Social Science Fund, as well as a large number of provincial and municipal projects.

The Research Capacity of the Private University to Apply for the Doctoral Program.

The research team is strong. The disciplines for applying for doctoral programs have strong and stable scientific research teams, and the results are quite rich. The number and quality of SCI and SSCI papers have been greatly improved, and the number and quality of national-level projects have increased.

A first-class discipline was initially established. The State Council proposes to build a first-class university and a first-class discipline strategy, which is open to both public and private universities. The corresponding disciplines of applying for a doctoral degree Private University must be at the forefront of domestic private universities and have a first-class standard in higher education.

The Gap in Scientific Research Ability of Private Universities Applying for Doctoral Programs

Senior Leaders don't Know where they are. A private university with a master's degree awarding point must focus on the development of a doctoral program and must improve its research capabilities. A private university applying for a doctoral degree must fully understand the necessity of improving scientific research capabilities. Many founders and senior leaders of private universities are teachers who are born but often only engaged in teaching work. There are few high-end scientific research accumulations. They do not understand the laws governing the development of scientific research. They follow the pattern of super normal development teaching to super normal development of scientific research. Blind spot. The strategic blind spot is the most deadly factor. Compared with high-level papers and high-level topics, the strategy does not understand the law of scientific research, does not understand the needs and demands of scientific researchers, does not master the training rules of scientific research teams, and often runs astray through the idea of successfully running teaching.

The Number of High-Level Papers is Insufficient. Private universities with master's degree awards, high-end papers account for a small proportion of core journals, accounting for a lower proportion of all journals. The existing research potential is basically exhausted. The scientific research ability is related to scientific research and scientific research training. The existing research level of teachers has a great potential for improvement, and it is difficult to improve rapidly in the short term.

Limited Number of High-End Topics. Private universities with master's degree awards have a large number of subjects belonging to provincial and municipal issues, school-level topics, academic topics and horizontal issues, and high-end topics are relatively low. The number of innovative talents is limited. The proportion of doctors is not high, which is the key to the improvement of scientific research ability.

Restrictive Factors for the Improvement of Scientific Research Ability of Applied for Doctoral Programs in Private Universities

Time is Tight. Some private universities with master's programs have established applying for a doctoral degree's strategic goals after the success of applying for a master's degree. However, from the current development, many private colleges and universities have devoted more energy to the evaluation of degree examinations in the past three years, and have done a good job in cultivating graduates of graduates. From a strategic analysis, applying for a doctoral degree has a close relationship with the existing master students, but this is not enough. According to the requirements of the Ministry of Education, applying for a doctoral degree must have a master's degree training experience for a certain number of years, a certain master's degree and a certain number of teachers. The private universities preparing for applying for a doctoral degree will seize the opportunity and steadily advance the preparations for applying for a doctoral degree on the basis of doing a good job in the training of existing master students. Private universities are still far from the conditions for examination and approval of doctoral programs. In particular, it is difficult to make up for scientific research in the short-term. Many private colleges and universities have limited research capacity after they have been promoted, and they cannot meet the needs of applying for a doctoral degree. In 2015-2018, it is the preparation stage for the full use of applying for a doctoral degree.

The Doctoral Point Application Standard is Improved. In the short term, the private university's applying for a doctoral degree standard can be lower than the public university, as part of the policy remediation, to make up for the historical debts of the stagnation of China's private universities for 40 years. However, from the increasingly fierce competition in the development of higher education, the standard of applying for a doctoral degree in private universities is far lower than that of public universities, which is not conducive to the long-term sustainable development of private universities, nor to the fair development of higher education. The fierce competition in the

application for doctoral programs in public universities has increased the applying for a doctoral degree standard and brought tremendous pressure on private universities.

Innovative Competition for Outstanding Innovative Talents. After the State Council's strategy for building a world-class university was enacted, the provinces proposed a first-class discipline construction plan. Each of the 985 public universities proposed to build a first-class university plan. The speed of scientific research capacity of public universities was accelerated, and the competition was more fierce, which forced the research capacity of private universities to improve. Public colleges and universities compete for high-end talents. Private colleges and universities face fierce competition and it is imperative to cultivate their own high-end talents.

Research on the Strategy of Improving the Scientific Research Ability of Applying for Doctoral Degrees in Private Universities

Excellent Innovation Strategy. After proposing a strong reserve strategy, how to use these sufficient and high-quality PhD requires deep-level systems and strategies. Excellent innovation strategy is the only way for private universities to create top universities.

Background of Outstanding Innovation Strategy. The innovation-driven strategy becomes the top-level design. China's economic development transformation needs to be driven by innovation, which puts pressure on higher education, especially private universities with weak scientific research capabilities. Adapting to the innovation-driven strategy can be a daring move. Violating the innovation-driven strategy may lose market, lose development opportunities, and lose competitiveness in the fiercely competitive higher education market. Cities with better tertiary development and dense universities will bring opportunities for the development of private universities with master's degree awarding points. Effectively bringing into play the advantages of the concentration of colleges and universities and research institutes, it can promote the transformation and upgrading of scientific research capacity building in higher education institutions, and bring opportunities to private universities. A private university that courageously responds can win in the fierce competition; if it can't seize the opportunity in time, it will still stay in the traditional development stage of heavy teaching and light scientific research, it will be difficult to adapt to the needs of the research and innovation pilot.

The construction of a first-class university is planned to be implemented as scheduled. The Party Central Committee and the State Council made major strategic decisions, built world-class universities and first-class disciplines, upgraded China's educational development level, strengthened the country's core competitiveness, and laid the foundation for long-term development ^[20].

Private universities in Europe and the United States tend to have stronger research capabilities than public universities. China's construction of world-class universities and first-class disciplines cannot be just the establishment of world-class universities and first-class disciplines by public universities, but also the active participation of private universities. Private universities must make a difference in building world-class universities and first-class disciplines. Not only must we build high-level private universities, but we must also build first-class private universities, and some private universities are at the forefront of world-class private universities. In the face of such a grand blueprint, starting from the improvement of scientific research capabilities and persisting in the long-term work, we can become passive and active, change pessimism into calm, and do something different.

The construction of a first-class private university is imminent. It is expected that by the middle of this century, the number and strength of first-rate universities and first-class disciplines will enter the forefront of the world, and basically become a strong country of higher education [19]. With the acceleration of China's construction of first-class universities, the construction of private first-class universities is in the forefront, and private universities with master's degree awards must seize opportunities and make a difference.

The Connotation of Excellent Innovation Strategy. The Excellence and Innovation Program is a major innovation strategy that combines the strengths of scientific research with the strength of

scientific research. To implement the outstanding innovation strategy of private universities, we must unite high-end talents and cooperate with innovation. To implement the outstanding innovation strategy of private universities, it is necessary to change the passive situation of teaching-oriented and satisfying enrollment; to improve the scientific research ability, to build a strong scientific research team, and to promote scientific research to a lofty development strategy.

The Development Stage of Excellence in Innovation Strategy. The first is to condense the stage of innovative talents. Coordinated with the reserve strong strategy, this stage condenses a large number of high-level research talents, forming a talent pool of outstanding innovation. The second is to form a first-class discipline. Focus on building one to several disciplines with distinctive characteristics, rapid improvement in scientific research capabilities, and easy access to innovative results, and gradually form first-class disciplines. The third is to build a first-class university. The first-class disciplines with key construction will form a scale and build a first-class private university.

Collaborative Innovation Strategy

The Connotation of Collaborative Innovation Strategy. The sharing of scientific and technological resources is one of the core paths of China's innovation-driven strategy. Many public universities have built collaborative innovation centers^[20] to effectively allocate talent resources and enhance research capabilities. The collaborative innovation strategy for the improvement of scientific research ability of private universities refers to the cooperation with public universities to jointly innovate, relying on wisdom and leveraging, relying on the strong scientific research foundation of public universities, first borrowing power, regenerating roots, and ultimately thriving, independent and developing their own research. Competitiveness.

The Development Stage of Collaborative Innovation Strategy. First, rely on the external force stage. Cooperate with public universities and rely on the strength of public colleges and universities to train doctoral supervisors. The second is the stage of mutual benefit. The teachers of this school have strong scientific research ability and many high-level scientific research subjects. The doctoral degree of public universities welcomes the doctoral tutors of private universities to bring students at their doctoral programs. The third is the stage of autonomy. Successfully applied for a doctoral degree and began to train doctoral students.

A Long-Term Strategy

The Background of the Long-Term Strategy. First-class universities and first-class disciplines must be built for a long time. The State Council has called for strengthening system planning, intensifying reforms, improving the promotion mechanism, persisting in long-term efforts, coordinating the construction of world-class universities and first-class disciplines, and realizing the historic leap from China's higher education countries to higher education powers [19]. The top-level design has a clear understanding of the construction of first-class universities and first-class disciplines. It not only sees the development goals, but also sees the long-term and sustainability of the goals, reflecting the scientific and feasibility of the top-level design. The top-level design persists for a long time and provides a path for the construction of a first-class private university. The history of China's private higher education development is tortuous. It is necessary to build a first-class university and a first-class discipline in the domestic higher education field and still face the strong extrusion of public universities. To pursue the goal of a world-class university, it is necessary to improve scientific research capabilities, and it will take a long time to be a success.

The construction of scientific research capabilities of first-class private universities must be sustained for a long time. The improvement of scientific research ability is more long-term than the improvement of teaching ability. The complexity, comprehensiveness and concealment of scientific research ability make the process of scientific research improvement more slow. The teaching ability is obvious, easy to copy, and can be improved in the short term. The improvement of scientific research capabilities requires many conditions: The first is the endowment of scientific research. Different people's scientific endowments are different. They are naturally like to think, to get to the bottom, not to stop, not to end, to have strong curiosity, to explore unknown mysteries, to

never meet the existing answers, to be enthusiastic about exploration needs, etc. Not everyone The quality of birth. These qualities are closely related to the endowment of scientific research. They do not have the necessary scientific endowments. To improve their research capabilities, they need to spend more than others. Research endowment is the basis for doing a good job in scientific research and improving scientific research capabilities. The second is the accumulation of scientific research. The accumulation of scientific research results is not achieved overnight, and the improvement of scientific research capabilities is a process of slow accumulation. The formation of scientific research teams and the construction of scientific research platforms will take a long time. The third is the scientific research atmosphere. The research accumulation of private universities is weak, and the research atmosphere is not strong. Many private university teachers have no chance to witness the strong scientific research atmosphere and have no chance to receive scientific research. Teachers who are interested in scientific research are immersed in their own research circles and build their own research fields. The fourth is the scientific research conditions. Scientific research conditions are not only scientific research resources such as scientific research equipment, but also various services and management that facilitate the use of scientific research resources. In some private universities, the establishment of scientific research conditions is still in its infancy. The fifth is scientific research incentives. Sufficient scientific research incentives are one of the core elements of breakthroughs in the research of private universities with master's degree awards. Without scientific research incentives, more teachers are satisfied with earning class fees and neglecting scientific research capabilities.

The Connotation of a Long-Term Strategy. Private universities have different views on the improvement of scientific research capabilities. The first is pessimism. The most common is the pessimistic improvement of the research capacity of private universities. It is believed that private universities are inherently deficient, and they are dysfunctional. It is impossible to catch up with public universities and it is impossible to achieve obvious results. It is even more impossible to build first-class scientific research capabilities. Most teachers hold such views. This view is suitable for ordinary private universities, but it is too pessimistic for a private university with a master's degree. Did not see the strong scientific research base and development potential of these private universities. The second is optimism. The senior managers of some private universities have no clear understanding of the slowness, accumulation and gradual improvement of scientific research capabilities. They can see that the development of private universities is very fast, and it is possible to establish and stabilize a private university in a short period of time. It is thought that this kind of teaching quick-selling mode can also be copied and used in the field of scientific research ability improvement of private universities, blindly optimistic, ignoring the inherent logic and development law of scientific research ability improvement. Holding this argument is a private university that does not have a master's degree. It is necessary to have an in-depth analysis of this view. Successful people are the most likely to fail. The development of private universities is a violent and violent development after China has undergone repression. Almost all private university leaders may form a kind of thinking inertia: higher education, especially private higher education, can be universally accelerated, ignoring the increase in scientific research capacity may cost More effort than teaching. The third is calm. Some leaders of private universities with far-sight, especially those of private universities with master's degree awarding points, know that it is difficult to achieve a great degree, and they can see the huge gap between their own research ability and the scientific research ability of some public universities. The gap between the required scientific research capabilities is clear-headed, without losing confidence, nor blindly optimistic, but steadily and steadily, taking practical measures, persisting in long-term efforts, and preparing for sustainable development. Objectively speaking, this view is more effective in building a first-class private university.

The Development Stage of the Long-Term Strategy.Chasing the same stage of public universities. Private universities have few scientific research reserves, and it takes time to catch up with similar public universities. It is necessary to strengthen the talent pool and carry out collaborative innovation at this stage.

Synchronous Development Stage with Similar Public Universities. At this stage, it is

necessary to accumulate a certain number and quality of scientific research talents, reserve a certain quality and quantity of scientific research results, and be competitive in the same type of citizen-run universities.

Beyond the Stage of Similar Public Universities. In the same kind of civic colleges and universities to stand out from the crowd, become a leader, scientific research capabilities have greatly improved.

Concentration Advantage Strategy

Concentrate on Strength and Make the First Batch of Master's Degree. Give priority to the first batch of master's degree graduates. The first batch of master's programs is a dominant specialty of a private university with a master's degree, and it is the core competitiveness of its application for a doctoral degree. To apply for a doctoral degree, one is to train the existing master students; the second is to prepare for the training of doctoral students on this basis.

The foundation for cultivating existing master students is to train the first batch of graduates. Cultivating the first batch of graduates of master's degree is a process of groping from scratch, accumulating the master's degree, and accumulating experience for the cultivation of doctors. Although the master's degree training is different from the doctoral training, the scale of the private colleges and universities is very large.

The Distance between the Master's Degree and the Doctor's Degree is Very Large. In the short period of more than 20 years, the private university has gone from scratch, from the establishment of the school to the process of having a doctoral degree. It is bound to reduce many links and compress some similar links into the same link. From the establishment of a private university to the successful application of a doctoral degree, there are five major stages: permitting school, allowing short-term training courses, allowing long-term unplanned academic education, allowing long-term planned academic education, and allowing graduate education.

The Difficulty of Applying for a Doctoral Degree is much Less Difficult than Applying for a Master's Degree. Applying for a master's degree is the right of all private colleges, but only a few private colleges with a master's degree have the right to apply for a doctoral degree, and the scope and intensity of competition are small. The application for doctoral programs in private universities must first consolidate the results of the master's degree application, and train the master students, especially the first batch of graduate students, to accumulate experience and lay the foundation for the second batch and subsequent master training.

Priority is Given to Applying for Doctoral Programs based on the First Batch of Master's Programs. After three years of accumulation, the first batch of master's programs in private universities that have obtained master's degrees has increased. Under the conditions of increasing master's degree, it is a priority strategy for private universities to apply for doctoral programs by seizing the advantages of master's degree without relaxation, adopting a centralized strategy, and giving priority to the development of master's degree programs. The private universities that have been approved for master's degree have successively applied for the second batch of the third batch of master's programs, but the first batch of master's programs can best represent the core competitiveness of the school. In the process of applying for a doctoral degree, it is believed that a private university with a master's degree can grasp the first batch of master's programs with characteristics and advantages, and give priority to the first batch of majors applying for doctoral programs.

The First Batch of Master's Programs should be a Breakthrough for the School to have a Doctoral Degree. Even after three consecutive years of application, the school already has three batches of master's degree. The master's degree is close to or close to the requirements of the approved doctoral degree, but the decision-making level should be clear-cut, firmly grasp the first batch of master's points and not relax, as the application for doctoral programs. Advantages of the discipline. If you can't grasp the dominant disciplines, you are likely to lose your competitiveness and lose your core competitiveness under the condition that the discipline construction is relatively weak.

According to the Applying for a Doctoral Degree Standard to Strengthen the First Batch of Master's Degree. To identify the key status of the first batch of master's programs, we must have the courage and courage to give priority to the first batch of master's programs, and apply for doctoral programs based on the first batch of master's degree standards. Focusing on all resources, the majority of applying for a doctoral degree resources will be concentrated in the first batch of master's degree construction, including the introduction of high-end talents, a large amount of capital investment, etc. to give priority to the first batch of master's programs. Priority is given to the first batch of master's programs to meet the requirements of the application. Enhance the scientific research ability of the first batch of master's programs that are expected to be promoted, and combine the strategy of prioritizing research and development with the first batch of master's degree strategies, and step by step to recruit students from domestic or provincial public universities with professional doctoral programs, recruiting domestic or The province's professional doctoral tutors are full-time professors, and the master's tutors are sent to the domestic or provincial doctoral programs.

Fund-Driven Strategy and Institutional Innovation Strategy

Capital-Driven Strategy. The doctoral staff with strong scientific research ability and excellent performance will be given special preferential treatment, and the core original achievements and scientific research backbones will be rewarded, which will be no less than or even far beyond the income of similar public universities.

Institutional Innovation Strategy

Convenient for Researchers. All policies must be accompanied by an increase in research capabilities. Some private universities with master's degree awarding points have tried the large class scheduling system to provide teachers with a whole time for scientific research.

Stabilize the Backbone of Research. Consolidate high-end scientific research talents, stabilize scientific research teams, and reduce the liquidity of scientific research backbones. Establish a dedicated research post. Allow scientific research backbones to not attend classes, specializing in scientific research. Establish a research institute. Specializing in innovative research.

References

- [1] Feng Jun. Research on Motivation and Incentive Strategies of Private College Teachers from the Perspective of Psychological Contract [D]. Shanghai Normal University, 2015.
- [2] Zhang Tianlei, Guo Yang, Liu Lidong. Thoughts on the Scientific Research Work of Private Colleges and Universities under the Background of Transformation[J]. Journal of Jilin Province Economic Management Cadre College, 2017, 31(01): 85-87.
- [3] Pan Zhengxu, Dai Xin, Guo Yang. Reflections on the Construction of Scientific Research Platform in Private Universities[J]. Journal of Lanzhou College of Education, 2017, 33(12): 61-64.
- [4] Zhang Juan, Zhan Lingna. On the Mechanism of Improving the Quality of Teachers' Scientific Research in Private Colleges and Universities[J]. Journal of Ezhou University, 2017, 24(05): 86-88.
- [5] He lin. Statistical Analysis of Academic Papers of 34 Private Universities in Sichuan Province from 2012 to 2016[J]. Journal of Library and Information Sciences in Agriculture, 2017, 29(09): 75-80.
- [6] Wang Yitao, Gao Fei, Qiu Kunshu, et al. Research Report on the Evaluation of Scientific Research Competitiveness of Chinese National Undergraduate Universities and Independent Colleges in 2017[J]. Journal of Zhejiang Shuren University (Humanities and Social Sciences), 2018, 18(01): 28-32+46.
- [7] Wang Xiaoyan. Research on the status quo and improvement countermeasures of scientific research output in private universities [D]. Chang'an University, 2016.
- [8] Mao Liping. Characteristics of Private Colleges and Universities and Suggestions for Management of Scientific Research Funds[J]. Economic Research Guide, 2017(36): 183-184.

- [9]Xuan Lina,An Xinxin,He Maobing.Improving the level of scientific research management and enhancing the core competitiveness of private colleges and universities[J].Journal of Yanan Vocational and Technical College,2013,01:16-17+29.
- [10]Wang Qunlong, Gao Fei, Gao Qiang. Research on the quality of scientific research statistics in private universities based on system theory[J].Journal of Zhejiang Shuren University(Humanities and Social Sciences),2013,03:138-141.
- [11]CHI Pingping. The Status Quo and Improvement Strategy of Scientific Research Team Construction in Private Undergraduate Colleges——Based on the Investigation and Analysis of Private Undergraduate Universities in Shandong Province[J]. China Adult Education, 2013, 16:132-135.
- [12]Lou Ziqiang,Chai Lu. The Dilemma and Coping Strategies of Scientific Research in Private Universities[J].High Teaching Journal,2016,01:146-147.
- [13]Wu Liping.Problems in the scientific research management of private colleges and universities in the new era environment and the solutions[J].Journal of Jiamusi Vocational College,2015,01:118.
- [14]Liu Liwei. Study on the Difficulties and Improvement Measures of Scientific Research Work in Private Universities under the Strategy of Science and Education: A Case Study of Four Private Undergraduate Universities in Hebei Province[J]. China Adult Education, 2014, 24: 58-60.
- [15]Fan Yingying. Study on the Difficulties and Countermeasures of Young Teachers in Privately-run Undergraduate Universities to Carry out Scientific Research[J].Journal of Hubei University of Economics(Humanities and Social Sciences),2013,08:143-145.
- [16] Peng Min, Zeng Fanling. How to carry out scientific research for new private undergraduate college teachers——Taking Anhui Sanlian College as an example[J]. Journal of Guangxi Vocational and Technical College, 2014, 01:12-14.
- [17] Jia Dongrong. Research Status and Improvement Countermeasures of Private Universities[J]. Education and Occupation, 2013, 08: 40-42.
- [18]HAN Fangli. Analysis on the Improvement of Scientific Research Ability of Private College Counselors[J]. Contemporary Education Science, 2013, 23: 48-50.
- [19]Xuan Lina, Zhang Junzong, He Maobing. Research on the Factors and Measures of Teachers' Scientific Research Ability in Private Universities in Guangdong[J]. Heilongjiang Education (Higher Education Research and Evaluation), 2013, 03:89-90.
- [20] Notice of the State Council and the State Council on Printing and Distributing the Overall Plan for Promoting the Construction of World-Class Universities and First-Class Disciplines, Guofa [2015] No. 64, China Government Network, November 5, 2015.http://www.gov.cn/zhengce/content/2015-11/05/content_10269.htm.