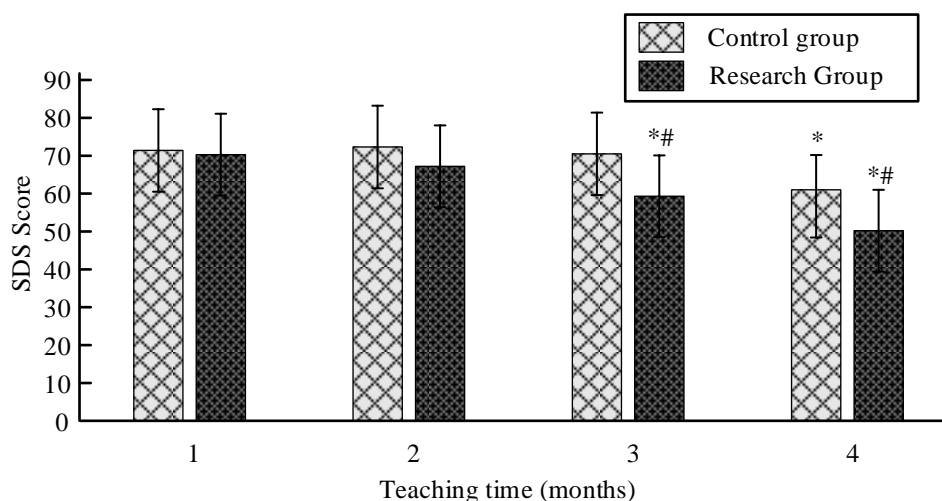


nation. Chinese language and literature have unique literary charm, which can make readers have emotional resonance with Chinese language and literature, so as to relieve pressure and anxiety. The research puts forward strategies to improve the Chinese language teaching model, effectively improve the teaching effect, so as to alleviate students' mental pressure, improve students' mental health level, and output high-level and high-quality talents for the society.



**Figure 1.** Depression of two groups of students. \* $P < 0.05$  compared with that before teaching; # It means that compared with the Control group at the same time,  $P < 0.05$

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## ON THE COGNITIVE OBSTACLES AND REFORM IDEAS OF SCIENTIFIC RESEARCHERS IN COLLEGES AND UNIVERSITIES TO THE TRANSFORMATION OF SCIENTIFIC AND TECHNOLOGICAL ACHIEVEMENTS

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**Background:** Scientific research is the main driving force and means to promote scientific and technological progress. The quantity and quality of scientific research results can also reflect a country's scientific and technological strength and comprehensive strength. Colleges and universities have rich learning resources and advanced scientific research equipment, as well as experienced professors and a large number of graduate students as scientific research assistants. Therefore, colleges and universities are often selected as scientific research bases. University scientific research is not only an important driving force to promote China's scientific and technological innovation, but also an important part of China's scientific research. With the increasingly strong scientific and academic atmosphere, China's colleges and universities produce a considerable number of scientific and technological achievements and innovative technologies every year, but the transformation of scientific and technological achievements is not satisfactory. The transformation of scientific and technological achievements refers to the process of transforming scientific and technological achievements from conception to creation and then to practical productivity. According to previous investigations and studies, there are a large number of scientific and technological achievements in colleges and universities in China, but the transformation rate of scientific and technological achievements in colleges and universities is less than one quarter, and the actual industrialized scientific and technological achievements are less than 5%. Compared with the transformation rate of scientific and technological achievements of more than 75% in developed countries such as Europe and the United States, there is still much room for progress in scientific research in colleges and universities in China.

This paper analyzes the current situation of scientific research in colleges and universities in China, and summarizes that the obstacles to the transformation of scientific and technological achievements in colleges and universities in China mainly include the following points: First, the insufficient supply of resources for scientific research projects in colleges and universities, such as funds, scientific researchers, scientific research equipment and so on. Secondly, there are a large number of scientific and technological

achievements in China's colleges and universities, but there are few scientific and technological achievements that can be profitable or useful to the society. Most scientific and technological achievements have very low economic and social benefits and do not have transformation value. Then, there are deficiencies in the innovation consciousness and R & D ability of Chinese enterprises. They have poor ability to absorb, digest and transform scientific and technological achievements, and are unable to transform some scientific and technological achievements that are difficult to produce. Finally, the transformation mechanism of scientific and technological achievements in colleges and universities is not perfect, resulting in low power of transformation of scientific and technological achievements. This paper analyzes the reform ideas of the transformation of scientific and technological achievements, and puts forward some suggestions, so as to promote the development of scientific research in colleges and universities, improve the transformation rate of scientific and technological achievements, and also promote China's scientific and technological progress.

**Objective:** There are a large number of scientific and technological achievements in colleges and universities in China, but the transformation rate of scientific and technological achievements in colleges and universities is less than one quarter, and the actual industrialized scientific and technological achievements are less than 5%. Compared with the transformation rate of more than 75% of scientific and technological achievements in developed countries such as Europe and America, there is still much room for progress in scientific research in colleges and universities in China. This paper analyzes the reform ideas of the transformation of scientific and technological achievements, and puts forward some suggestions, so as to promote the development of scientific research in colleges and universities, improve the transformation rate of scientific and technological achievements, and also promote China's scientific and technological progress.

**Research objects and methods:** A questionnaire was developed according to the reform suggestions, 48 university researchers were invited to evaluate these indicators, and some suggestions were added or deleted according to the suggestions of researchers.

**Research design:** The validity of the questionnaire was evaluated by orthogonal rotation method, KMO measure and Bartley sphere test, and then the reliability of the questionnaire results was evaluated.

**Methods:** The relevant data were processed and analyzed by IBM SPSS software.

**Results:** The reliability test results show that the reliability of the questionnaire is good, as shown in Table 1. The questionnaire results have high reliability.

**Table 1.** Reliability test of questionnaire survey

Factor	Kaiser-Meyer-Olkin	Bartlett's spherical test		
	Measurement sampling appropriateness	Approximate chi square	df	Significance
Value	0.967	8214.402	353	0

**Conclusions:** Scientific research in colleges and universities is not only an important driving force to promote scientific and technological innovation in China, but also an important part of scientific research in China. With the increasingly strong scientific and academic atmosphere, China's colleges and universities produce a considerable number of scientific and technological achievements and innovative technologies every year, but the transformation of scientific and technological achievements is not satisfactory. This paper analyzes the reform ideas of the transformation of scientific and technological achievements, and puts forward some suggestions, so as to promote the development of scientific research in colleges and universities, improve the transformation rate of scientific and technological achievements, and also promote China's scientific and technological progress.

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## OPTIMIZATION PATH OF TEACHING QUALITY ASSURANCE IN HIGHER VOCATIONAL COLLEGES BASED ON COGNITIVE IMPAIRMENT

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**Background:** At present, the teaching quality assurance of higher vocational colleges in China is mainly to monitor the internal teaching process. However, under the influence of the thinking set of traditional habits, most people still keep the teaching quality above the traditional cognition. With the continuous