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**EXPLORE THE HARMONIOUS DEVELOPMENT OF REGIONAL  
SCIENTIFIC AND TECHNOLOGICAL TALENTS, INDUSTRIAL  
ECONOMY AND ECOLOGICAL ENVIRONMENT**

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***Summary.** In this study, a multi-dimensional evaluation framework was constructed, and the grey correlation analysis and entropy weight method were used to quantitatively analyze the major industrial cities in China. The study finds that these cities perform well in the coordinated development of scientific and technological talents and industrial economy, but there are deficiencies in the harmonious development of industrial economy and ecological environment.*

Technological progress is the key to promoting new industrialization and environmental protection. Research shows that the contribution of scientific and technological talents to economic growth is increasing, and economic growth provides the basis for technological progress and environmental protection. Despite this, China's industrialization has not paid enough attention to environmental protection technologies, resulting in environmental pollution problems not being effectively solved.

In this study, the grey correlation method and the entropy weight method are used to evaluate the system level and index weight, which can objectively reflect the development and change of the system and be used to calculate the coordination degree of the system.

The degree of coordination between scientific and technological talents and the industrial economy is generally high, indicating that scientific and technological progress has a positive effect on industrial growth. However, when considering the ecological environment, the degree of coordination in most cities has declined, reflecting that environmental protection has been neglected in economic development and deviated from the path of green growth.

From a spatial point of view, the coordination degree of cities in the eastern coastal area is the highest, while the coordination degree of cities in North China, Northeast China and Central China is low, indicating that there are differences in the level of coordinated development among regions.

In general, the degree of coordinated development of these cities shows different characteristics in time and space, and it is necessary to formulate development strategies according to their respective conditions to achieve coordinated development of economy, science and technology and environment.

**Conclusion:**

1. The improvement of the scientific and technological level of China's major industrial cities has a positive impact on economic growth, but the lack of

ecological and environmental protection leads to the lack of coordination between scientific and technological development and environmental protection.

2. The degree of coordination between these cities changed from 2006 to 2011, but the overall coordination level improved only to a limited extent, and there were significant differences in the level of coordinated development among cities, and the eastern coastal cities performed better.

Suggestion:

1. Balance the allocation of scientific and technological resources and increase investment in environmental protection science and technology, so as to achieve the coordinated development of science and technology, economy and environment.

2. Recognize that improving coordination is a long-term process that requires sustained policy support and systemic change to achieve a qualitative leap.

### References

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