

Postprint of the 2016 Chinese Academy of Sciences Science and Technology for Development Award-Winning Team

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Abstract

Full Text

Preamble

“Addressing major national needs and serving the main battlefield of the national economy” represents a core tenet of the Chinese Academy of Sciences’ (CAS) mission in the new era. To further encourage collectives making significant contributions to scientific and technological innovation activities that serve national economic and social development as well as public welfare, CAS established the “CAS Science and Technology Promotion and Development Prize” in 2014. Ten teams received this honor in 2016. This journal has launched a special column to introduce these winning teams and their achievements, calling on the broader scientific community to learn from them and to advance scientific research, thereby providing more effective mid- to high-end technological solutions to make greater contributions to the national innovation-driven development strategy.

2016 CAS Science and Technology Promotion and Development Prize Winners

1. **Team for Innovation of Efficient Nano-metal Catalysts and Their Industrial Application in Green Chemical Engineering**
Dalian Institute of Chemical Physics, Chinese Academy of Sciences
2. **Team for Kiwifruit Breeding Innovation and Industrialization Application**
Wuhan Botanical Garden, Chinese Academy of Sciences

3. **Team for High-Power, High-Beam-Quality Semiconductor Laser Beam Combining Technology and Application**
Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences
4. **Team for Integrated Technology and Industrialization of Efficient and Green Utilization of Refractory Gold Ores**
Institute of Process Engineering, Chinese Academy of Sciences
5. **Team for Rational Pattern and Decision Support Demonstration Application of China' s New Urbanization Development**
Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences
6. **Team for Regional Planning Research and Application of the Yangtze River Economic Belt**
Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences
7. **Team for Innovation of Enzyme Engineering Technology System and Its Application in Amino Acid and Pharmaceutical Intermediate Production**
Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences
8. **Team for Key Technology and Application of Lithium Extraction from Salt Lakes with High Magnesium-Lithium Ratio in Qinghai**
Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences
9. **Team for Formation Mechanism, Prevention Technology and Application of Wind-Sand Hazards to Major Projects in China' s Characteristic Environments**
Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences
10. **Team for Research and Demonstration of Forest Resource Conservation and Under-Forest Resource Utilization Technology in the Mountainous Areas of Eastern Liaoning**
Shenyang Institute of Applied Ecology, Chinese Academy of Sciences

Note: Figure translations are in progress. See original paper for figures.

Source: ChinaXiv –Machine translation. Verify with original.