



地理学报(英文版) 2004年第14卷第4期

### Progress in sandy desertification research of China

作者: WANG Tao

Sandy desertification is land degradation characterized by wind erosion mainly resulted from the excessive human activities in arid, semiarid and part of sub-humid regions in northern China. The research on sandy desertification has experienced more than 5 decades of arduous course of the struggle along with the establishment and development of China's desert science. Researches in this field have made a great contribution to the national economic construction, and environmental protection. This paper focuses on presenting the major progress and achievements in the sandy desertification research during the last 50 years, including the stages of study on sandy desertification, background environment of sandy desertification and its changes, the conception, causes, process, monitoring and assessment of sandy desertification, the vegetation succession, landscape ecology, plant physiology, impacts on ecosystem, high-effective use of water and land resources and sustainable development in sandy desertified regions, sandy desertification control models and techniques etc.

Paper (PDF)

**关键词:** China; desert science; sandy desertification; research progress doi: 10.1360/gs/040401