



# 中国科学院寒区旱区环境与工程研究所

Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences

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## 研究队伍

院士专家

百人计划

杰出青年

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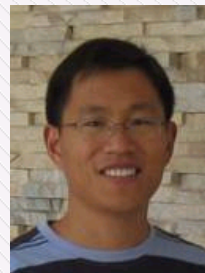
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### 简历:

- 1997.7-2001.7 兰州大学资源环境学院经济地理学与城乡区域规划专业(学士)
- 2001.9-2007.7 兰州大学资源环境学院自然地理学专业(硕士-博士)
- 2007.7-2010.6 中国科学院青藏高原研究所(博士后)
- 2010.3-2010.5 德国法兰克福申根堡博物馆Senckenberg Naturmuseum访问学者
- 2010.6-2010.12 中国科学院寒区旱区环境与工程研究所,助理研究员
- 2011.1- 中国科学院寒区旱区环境与工程研究所 副研究员

### 研究方向:

- 自然地理学 (沙漠化、沙漠环境、风沙物理、风沙灾害与工程)
- 孢粉学 (新生代、第四纪和全新世植被-气候环境记录和全球变化)

### Research interests:

Pollen (Palynology), Geography, Desertification, Paleoclimate

### 职称:

副研究员 (Asso. Prof.)

### 职务:

### 社会任职:

### 获奖及荣誉:

### 代表论著:

1.Miao Yunfa, Herrmann Mark, Wu Fuli, Yan Xiaoli, Yang Shengli, 2012. What controlled Mid-Late Miocene long-term aridification in Central Asia? – Global cooling or Tibetan Plateau uplift: A review, Earth Science Reviews, 112, 155 – 172.

2.Cai Maotang, Fang Xiaomin, Wu Fuli, Miao Yunfa, Appel Erwin, 2012. Pliocene – Pleistocene stepwise drying of Central Asia: Evidence from paleomagnetism and sporopollen record of the deep borehole SG-3 in the western Qaidam Basin, NE Tibetan Plateau. Global and Planetary Change, 2012, 94 – 95, 72-81.

3.Cai Maotang, Wei Mingjian, Xu Dainan, Miao Yunfa, Wu Fuli, Pan Baolin, 2012. Vegetation and climate changes during three interglacial periods represented in the Luochuan loess-paleosol section, on the Chinese Loess Plateau, *Quaternary International*, <http://dx.doi.org/10.1016/j.quaint.2012.06.041>

4.Miao Yunfa, Yan Xiaoli, Shao Yajun, Yang Bao. Cenozoic Ephedraceae adaptation to global cooling in Northwestern China. *Sciences in Cold and Arid Regions*, 2011, 3(5), 0375 – 0380.

5.Miao Yunfa, Fang Xiaomin, Herrmann Mark, et al. Miocene pollen record of KC – 1 core in the Qaidam Basin, NE Tibetan Plateau and implications for evolution of the East Asian monsoon. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 2011, 299, 30 – 38.

6.Miao Yunfa, Meng Qingquan, Fang Xiaomin, et al. Origin and development of *Artemisia* (Asteraceae) in Asia and its implications for the uplift history of the Tibetan Plateau: a review. *Quaternary International*, 2011, 236, 3 – 12.

7.Yan Xiaoli, Liu Yanrui, Miao Yunfa, Zhang Zhigao. Study on the Pollen Rain in Lanzhou University in Spring, 2009. *Journal of Anhui Agricultural Sciences*, 2011, *Agricultural Science & Technology*, 2011, 12(6), 876 – 878, 913.

8.Wu Fuli, Fang Xiaomin, Mark H., Mosbrugger Volker, Miao Yunfa. Extended drought in the interior of Central Asia since the Pliocene reconstructed from sporopollen records. *Global and Planetary Change*, 2011, 76, 16 – 21.

9.Long Liqing, Fang Xiaomin, Miao Yunfa, et al. Northern Tibetan Plateau cooling and aridification linked to Cenozoic global cooling: Evidence from n-alkane distributions of Paleogene sedimentary sequences in the Xining Basin. *Chinese Sci Bull*, 2011, 56 (15), 1569 – 1578.

10.Wu Fuli, Fang XiaoMin, Miao Yunfa & Dong Ming. Environmental indicators from comparison of sporopollen in early Pleistocene lacustrine sediments from different climate zones. *Chinese Science Bulletin* 2010, 55(26), 2981 – 2988.

11.Li Xingru, Fang Xiaomin, Wu Fuli, Miao Yunfa. Pollen evidence from Baode of the northern Loess Plateau of China and strong East Asian summer monsoons during the Early Pliocene. *Chinese Sci Bull*, 2010, 55(3), 1–6.

12.Liu Dongliang, Fang Xiaomin, Gao Junping, Wang Yongdao, Zhang Weilin, Miao Yunfa, 2009. Cenozoic stratigraphy deformation history in the Central and Eastern of Qaidam Basin by the balance section restoration and its implication. *Acta Geologica Sinica*, 83(2), 359 – 371.

13.Miao Yunfa, Fang Xiaomin, Song Zhichen et al. Late Eocene pollen records and palaeoenvironmental changes in northern Tibetan Plateau. *Sci. China, Ser. D: Earth Sci.*, 2008, 51(8), 1089 – 1098.

14.Wu Fuli, Fang Xiaomin, Ma Yuzhen, Herrmann Mark, Mosbrugger Volker, An Zhisheng, Miao Yunfa. Plio – Quaternary stepwise drying of Asia: Evidence from a 3-Ma pollen record from the Chinese Loess Plateau. *Earth Planet. Sci. Lett.*, 2007, 257, 160 – 169.

15.Fang, Xiaomin, Zhang Weilin, Meng Qingquan, Gao Junping, Wang Xiaoming, King John, Song Chunhui, Dai Shuang, Miao Yunfa. High resolution magnetostratigraphy of the Neogene Huaitoutala section in the east Qaidam Basin on the NE Tibetan Plateau, Qinghai Province, China. *Earth Planet. Sci. Lett.*, 2007, 258, 293 – 306.

16.Bai Yan, Wang Yongli, Fang Xiaomin, Kenig Fi, Miao Yunfa, and Wang Yong. Distribution of aliphatic ketones in Chinese soils: Potential environmental implications. *Organic Geochemistry*, 2006, 37, 860 – 869.

部分学术会议报告 (Selected presentations):

1 NECLIME Symposium, Nanjing, China, May 27 to 29, 2012: Miocene pollen records of the Qaidam Basin, Northern Tibetan Plateau and implications for the East Asian monsoon evolution.

2 IPC XIII - IOPC IX 2012, Tokyo, Japan, Aug. 23 to 30, 2012: Late Cenozoic pollen records of the Qaidam

Basin, northern Tibetan Plateau and implications for the central Asian aridification.

3.SALADYN 2012 Workshop, Paris, France, Nov.5 to 7, 2012: Late Cenozoic pollen records of the north Tibetan Plateau and implications for the central Asian aridification.

承担科研项目情况:

1. 国家自然科学基金面上项目(2012.01-2016.01): 柴达木盆地中新世孢粉记录与亚洲内陆干旱化研究.
2. 青年科学基金项目(2009.01-2012.01): 我国西北地区晚古近纪孢粉记录对O<sub>1</sub>-1事件的响应及其意义.
3. 中国博士后科学基金(2008.09-2010.09): 青藏高原东北缘西宁盆地中新世Mi-1事件的植物化石研究.
4. 中国科学院寒区旱区环境与工程研究所(2011.4-2013.03): 研究所青年人才成长基金.

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