



中国科学院 青藏高原研究所

Institute of Tibetan Plateau Research
Chinese Academy of Sciences

[首页](#) | [机构概况](#) | [研究队伍](#) | [科研成果](#) | [国际交流](#) | [教育培训](#) | [院地合作](#) | [党群园地](#) | [科学传播](#)

研究队伍

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研究员
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当前位置: [首页](#) > [研究队伍](#) > 专家人才

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简历:

1982.01, 兰州大学地理系硕士研究生毕业;
1982.01-1983.02, 兰州大学地理系任教;
1983.03开始, 在中国科学院兰州冰川所攻读博士学位;
1984.07-1984.12, 赴美国参加Ohio大学主办的“极地与高山冰川学夏季研究”培训班;
1986年, 获中国科学院北京地理研究所博士学位;
1987年-1988.05, 法国格勒诺贝尔大学冰川与环境地球物理所博士后;
1988.06-1989.01, 美国Ohio大学伯德极地研究中心学习与工作;
1990.04-2003.03, 中国科学院兰州冰川所工作(寒区旱区环境与工程研究所);
1995.06-1999.06, 冰川冻土所副所长(正局级);
1999.06-2001.11, 寒区旱区环境与工程研究所副所长;
2001.11-2003.03, 寒区旱区环境与工程研究所所长;
2003.03-现在 青藏高原研究所所长。

有突出贡献的博士学位获得者, 中国科学院有突出贡献的中青年专家, 甘肃省优秀专家, 首届国家“杰出青年基金”获得者, 首届“青藏高原青年科技奖”和“冰川冻土基础理论奖”获得者, 我国冰芯研究的主要开拓者之一。

研究方向:

冰川冰芯与环境变化

学历:

职务:

中国科学院青藏高原研究所所长

社会任职:

获奖及荣誉:

姚檀栋同志具有创新、求实、奉献精神, 能模范遵守职业道德, 在本职岗位上做出了显著成绩。姚檀栋研究员长期从事冰川学研究, 开拓和发展了中国的冰芯研究。成功地进行了祁连山敦德冰芯、古里雅冰芯、普若岗日冰芯、慕士塔格冰芯等研究。从达索普冰芯研究开始, 标志中国冰芯研究的新阶段, 这不但因为这一冰芯是目前世界上海拔(7000m)最高的冰芯, 而且还取得了一系列的重要研究成果。这一研究被评为1997年中国十大科学新闻之一。同时他还建立了高亚洲地区降水水中稳定氧同位素和降水时气温关系的定量模型。以高分辨率冰芯记录(50年时间间隔)阐明了青藏高原过去10多万年来气候变化特征。揭示了冰芯记录的过去一系列重大气候突变事件。揭示了冰芯记录的全新世以来的气候变化特征, 以年际变化的分辨率揭示了冰芯所记录的过去2ka来气候变化的重要特征等研究成果。

1991年, 获国务院学委委员会国家教委颁发的“有突出贡献的博士学位获得者。”1992年至1995年, 曾两次获得中国科学院兰州分院“先进青年科技工作者”, 1995年获兰州市“十大杰出青年”称号, 获首届“国家杰出青年基金”, 同年还获首届“青藏高原青年科技奖”和“冰川冻土基础理论奖”。1998年获“优秀回国留学人员奖”。1999年被评为“甘肃省优秀专家”和“中国科学院有突出贡献的专家”。2000年科学引文数据库结果(由《〈科学时报〉》发表), 文章CSCD引用率全国排名第6, 地学排名第2。研究成果获国家自然科学基金三等奖、四等奖和中国科学院自然科学一等奖等多项, 并获国家发明专利。2001年获“何梁何利基金奖”, 同年获“中国科学院优秀研究生导师”称号, 以及“杰出青年基金”。2002年获得基金委“优秀创新群体基金”。

姚檀栋同志注重将研究成果系统化、理论化。前后发表论著400多篇(册)。经SCI检索, 66篇被收录, 并被SCI刊物发表的文章

代表论著：

1. **Yao Tandong**, Zhou Hang, Yang Xiaoxin. Indian monsoon influences altitude effect of d18O in precipitation/river water on the Tibetan Plateau. *Chinese Science Bulletin*, 2009, 54 (16): 2724-2731
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3. **Yao, T.**, Y. Liu, S. Kang, N. Jiao, Y. Zeng, X. Liu, and Y. Zhang. Bacteria variabilities in a Tibetan ice core and their relations with climate change. *Global Biogeochem. Cycles*. 2008, 22, GB4017, doi:10.1029/2007GB003140.
4. **Yao Tandong**, Pu Jianchen, Lu Anxin, Wang Youqing, and Yu Wusheng. 2007. Recent glacial retreat and its impact on hydrological processes on the Tibetan Plateau, China, and surrounding regions. *Arctic, Antarctic, and Alpine Research*, 39(4): 642–650.
5. **Yao Tandong**, Shurong Xiang, Xiaojun Zhang, Ninglian Wang, and Youqing Wang. 2006. Microorganisms in the Malan ice core and their relation to climatic and environmental changes. *Global Biogeochemical Cycles*, 20, GB1004, doi: 10.1029/2004GB002424.
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13. **Yao Tandong** and Yang Meixue. ENSO events recorded in Tibetan ice cores. *Developments in Paleoenvironmental Research*, 2004, 9: 163-180.
14. Tian Lide, **Yao Tandong***, K. MacClune, J.W.C. White, A. Schilla, B. Vaughn, R. Vachon, and K. Ichiyangi. Stable isotopic variations in West China: A consideration of moisture sources. *Journal of Geophysical Research*, 2007, 2006JD007718RR.
15. **Yao Tandong**, Liu Shiyin and Pu Jianchen. Changing glaciers in High Asia, In: *Glaciers and Earth's Changing Environment*, 2004, Black-Well Publisher, 65-78..
16. L.G. Thompson, **Yao Tandong**, E. Mosley-Thompson, M.E. Davis, K.A. Henderson, and P.-N. Lin. A high-resolution millennial record of the south Asian monsoon from Himalayan ice cores. *Science*, 2000, 289: 1916-1919.
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49. **Yao Tandong**, Yang Zhihong, Kang Xingcheng, Pu Jianchen. Variations of cryosphere and atmosphere on the Tibetan Plateau. Cryosphere, 1996, 2: 1-6.
50. **Yao Tandong**. Summer monsoon recorded in Tibetan ice cores, Proceedings the Second International Study Conference on GEWEX in Asia and GAME, Pattaya Thailand, 1995, 114-116.