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## 研究队伍



## 研究队伍

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## 简历:

1978-1982 在南京气象学院气象系获理学学士学位, 1986-1989 在兰州大学大气科学系获理学硕士学位, 1993-1994 在北京外国语学院参加出国前法语强化培训并通过WSK法语考试, 2003 在兰州大学获理学博士学位, 1982-1986 在新疆气象局任天气预报员, 从事区域和城市短期天气预报, 1989 - 2003年在兰州大学大气科学系任教, 教授, 博导, 担任数值模拟与西部气象灾害实验室主任, 曾讲授高等大气动力学、海气相互作用动力学、气候物理学、动力气象学、气候学、Fortran语言等课程, 学术研究涉及华北干旱、东亚季风、热量输送参数化、小波谱模式设计、数字信号处理等, 1994-1996 在比利时新鲁汶大学天文和地球物理所访问, 师从A.Berger教授, 从事米兰科维奇古气候天文学理论研究、冰期间冰期古气候数值模拟、四维海洋资料变分同化等研究, 2003-2005 间在中国科学院大气物理研究所博士后, 研究全球变化、水汽输送等, 获中国博士后基金、王宽诚博士后奖励基金, 已经培养硕士和博士研究生十余名。

## 研究领域:

气候动力学与气候预测; 气候变化适应; 全球变化

## 获奖及荣誉:

先后获中国博士后基金、王宽诚博士后奖励基金等资助

## 代表论著:

1. Dai Xingang, Zhang Kiajing. A Mechanism analysis to the Inter-decadal Precipitation Change in Northwestern China for the Last 30 years of twentieth century. *Acta Physica Sinica*, 2012, 2012, 61(19): 199201-1-199201-8
2. DAI Xingang, XION Zhe, K.Kramer, JIA Gensuo, ZHAO Dengha. Simulating Grazing Dynamics of Goat and Sheep for Climate Adaptation strategies in West Inner Mongolia. *Journal of Desert Research*, 2012, 32(5): 1442-1450
3. Dai Xingang, Wang Ping, Zhang Kaijing. A Decomposition Study of Moisture Transport Divergence for Inter-decadal Change in East Asia Summer Rainfall during 1958-2001. *Chinese Physics*, 2012, 21 (11): 119201
4. Werners S., J.D.T abara, X. Dai, et al. Constraints and Opportunities for climate adaptation in regional water and land use planning in Soc., Eco. and Political Aspects of Clim. Change, Springer, 2010, 669-692
5. Tàbara J D, Xingang Dai, et al. The climate learning ladder: A pragmatic procedure to support climate adaptation, *Environmental Policy and Governance*, John Wiley and Sons Inc., 2010, 20(1):1-11
6. Tàbara, J D, Cots, F, Dai, X, et al. Social Learning on Climate Change among regional agent -insights from China, Eastern Europe and Iberia, *Interdisciplinary Aspects of Climate Change*, Peter Lang, 2009, 29: 121-150
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8. Dai X G, Congbin Fu and P Wang. Interdecadal change of atmospheric stationary waves and north China drought. *Chinese Physics*, 2005, 14(4): 850-858
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13. Dai Xingang, Wang Ping, Chou Jifan. Multiscale characteristics of the rainy season rainfall and interdecadal decaying of summer monsoon in North China. *Chinese Science Bulletin*, 2003, 48(12): 2730 ~ 2734
14. Xingang Dai, Jifan Chou. Wavelet analysis on the runoff of the Yangtze River and Huanghe River. *Theoretical and Applied Climatology*. 1996, 55(1-4), 193-197

**承担科研项目情况：**

曾主持三项国家自然科学基金，涉及中国西部气候变化、北方冷事件机制及小波谱模式涉及等研究，此外还参加过“97.3”、科技支撑、行业专项及欧盟气候变化的减缓与适应等多个项目的研究，目前主要研究中国南方旱涝及全球气候暖化停顿(hiatus)等问题。



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