

CHEN JIANFANG

Education

- B.S.:1986-1990, Department of Earth Science, Zhejiang University (Hangzhou). Major in Geochemistry
- M.S.:1990-1993, Graduate School, Zhejiang University (Hangzhou). Major in Environmental Geochemistry (Supervisor: Prof. Rong Qiutao)
- Ph.D: 1999-2005, Tongji University (Shanghai). Major in Paleoceanography (Supervisor: Prof. Wang Pinxian)

Position

- Senior Research Scientist, deputy head of Lab of Marine Ecosystem and biogeochemistry, SOA, Second Institute of Oceanography (Aug., 2002-present)
- Senior Research Scientist in marine biogeochemistry, SIO, SOA (Oct. 2001-Jul. 2002)
- Associate Research Scientist, SIO, SOA (Dec. 1998-Oct. 2001)
- Assistant Research Scientist, SIO, SOA (Dec. 1996-Dec.1998)
- Junior Researcher, SIO, SOA (Jul. 1993-Dec. 1996)

Research experience abroad

- **October 1993-April 1994:** Visiting research staff in Institute of Biogeochemistry and Marine Chemistry, **University of Hamburg**, Germany
- **April 1996-October 1996:** Visiting research staff in Institute of Biogeochemistry and Marine Chemistry, **University of Hamburg**, Germany
- **October 1997 and December 1998:** Visiting research staff in **Geological Survey of Japan**
- **June, 1999-October, 1999:** Visiting Scholar in Center for Coastal and Atmospheric Research, **Hong Kong University of Science and Technology**
- **June, 2000-November, 1999:** Visiting Scholar in Chemistry Department, **Hong Kong University of Science and Technology**

Recent Research Interests

- Geochemical fluxes in the South China Sea; biogeochemical process of settling particles and its effect on paleo-proxies;
- Eutrophication and phytoplankton community records in sediment in coastal area;
- Amino acids in water column and sediments, the role of amino acids in phytoplankton nitrogen nutrients dynamics and N recycle;
- The effect of ice cover reduction on biological pump and organic carbon sedimentary accumulation rate in Arctic shelves.

Selected Recent Publications

- 1 Xu Luqiang, Chen Jianfang, Tang Yunqian, 1997. The amino acids fluxes

- and their biogeochemical implications in north South China Sea. *Acta Oceanologica Sinica*, 19(2): 57-64
- 2 Chen Jianfang, Zheng Lianfu, H K Wong et al, 1998. Fluxes and Constituents of Particulate Matter in the South China Sea in Comparison with Sediment Accumulation Rates. *Acta Sedimentologica Sinica*, 16(3):14--19
 - 3 Chen Jianfang, Zheng Lianfu, M G Wiesner et al, 1998. Estimation of primary production and export production in the South China Sea based on sediment trap experiments. *Chinese Science Bulletin*, 43(7): 583-586
 - 4 Chen Jianfang, Xu Luqiang, Zheng Lianfu, 1998. Organic geochemical characteristics of time-series settling particulate matter in the northern South China Sea. *Chinese Journal of Geochemistry*, 17(3):275-283
 - 5 Chen Jianfang, M G Wiesner, H K Wong, 1999. Vertical changes of POC flux and indicators of early diagenesis in the South China Sea. *Science in China (Series D)*, 42(2):120-128
 - 6 Chen Jianfang, Li Yan, Lin Yian, 2002. Nutrients cycle in a incubation experiment: amino acids as intergradations of nitrogen regeneration. *Oceanography in China* 14, 31-38
 - 7 Chen J F, Xia X M, Ye X R, 2002. Marine organic pollution history in the Changjiang Estuary and Zhejiang Coastal Area——BHC and DDT stratigraphical records. *Marine Pollution Bulletin* 45(1-12):391-396
 - 8 Chen Jianfang, Chen Ronghua, 2000. Amino acids, amino sugars and carbohydrates in settling planktonic tests and their implications in the South China Sea. *Oceanologia et Limnologia Sinica*, 31(6):596-603
 - 9 Chen J.F., Jin H. Y., Yin K., Li Y., 2003. Variation of reactivity of particulate and sedimentary organic matter along the Pearl River Estuary. *Acta Oceanol. Sinica*, 22(4), 557-568 (SCIE)
 - 10 Chen JF, Li Y, Yin K Jin HY, 2004. Amino acids in the Pearl River Estuary and Adjacent Waters: Origins, transformation and degradation. *Continental Shelf Research*, 24: 1877-1894
 - 11 Chen Jianfang, Zhang Haisheng, Jin Haiyan, et al., 2004. Accumulation of Sedimentary Organic Carbon in the Arctic Shelves and Its Significance on Global Carbon Budget. *Chinese Journal of Polar Research*, 16(3):193-201
 - 12 Chen JF, Jin HY, Liu XY, Li HL, Lin YA, Pan JM, 2005. Preliminary studies on reactivity and potential regenerating capability of sedimentary organic matter in the Yellow Sea and East China Sea. *Geochimica*, 34(4):387-394