

## CURRICULUM VITAE

**Name:** Shu Gao

### **Personal information:**

**Address:** Department of Geo-Ocean Sciences, Nanjing University, 22 Hankou Road, Nanjing 210093, The People's Republic of China

**Telephone:** (China) 25 359 7082 (o); 25 359 3078 (h)

**Fax:** (China) 25 359 5387

**E-mail:** [shugao@nju.edu.cn](mailto:shugao@nju.edu.cn)

**Gender:** Male

**Place of Birth:** Hangzhou, China

**Date of Birth:** December 28, 1956

**Nationality:** Chinese

**Marital Status:** Married, one child

### **Degrees & Diploma:**

1993, Ph.D. (Marine Sediment Dynamics), Department of Oceanography, University of Southampton (England)

1988, Diploma (English Language), University of International Studies, Shanghai (China)

1985, M.Sc. (Marine Geomorphology and Sedimentology), Department of Geography, Nanjing University (China)

1982, B.Sc. (Geomorphology and Quaternary Geology), Department of Geography, Nanjing University (China)

### **Employment:**

March 2000 - Present, Professor (in Marine Geology), Nanjing University, Nanjing (China)

July 1997 – Present, Visiting Professor, International Ocean Institute (China Operational Center), Tianjin (China)

March 1996 – 2000, Research Professor (in Marine Sediment Dynamics), Institute of Oceanology, Chinese Academy of Sciences (China)

September 1995 - March 1996, Research Fellow, Department of Oceanography, University of Southampton / Southampton Oceanographic Centre (England)

February 1993 - August 1995, Research Fellow, Department of Oceanography, University of Southampton (England)

March - June 1992, Part-time Research Assistant, Department of Oceanography, University of Southampton (England)

July 1985 - August 1988, Assistant Scientist, Second Institute of Oceanography, State Oceanic Administration (China)

### **Professional membership:**

2000- Present, Member of the Scientific Steering Committee of LOICZ

2000- Present, Member of the International Association of Sedimentologists

1999- Present, Member of the American Geophysical Union

1999- Present, Member of the Chinese Society of Ocean Engineering

1998-2001, Member of the Continental Margin Task Team (CMTT, LOICZ)

1997- Present, Member of the Geographical Society of China

1997- Present, Member of the Chinese Society of Oceanology and Limnology

1997- Present, Member of the Coastal Education and Research Foundation, USA

1994-1999, Member of the ECSA (Estuarine and Coastal Sciences Association), UK

**Editorship of scientific journals:**

2001- Present, Member of the editorial board of Ocean and Polar Research (Korea)

2000- Present, Member of the editorial board of Continental Shelf Research (Elsevier)

2000- Present, Member of the editorial board of Marine Sciences (China)

1999-2000, Associate Editor of Studia Marina Sinica (China)

1998- Present, Member of the editorial board of The Yellow Sea (China-Korea)

1997- Present, Member of the editorial board of Oceanologia et Limnologia Sinica (China)

**Research interests:**

Sediment transport in shallow marine environments

Water and sediment exchange in estuaries and other coastal embayments

Formation of mud deposits on continental shelves

Coastal engineering

**Publications:** 100**Selected publications:**

Li, F. Y., Gao, S. and Jia, J. J., 2002. Deposition rates of the Quaternary sediment sequence of the Okinawa Trough (in Chinese). In: Gao, S. and Li, J. B. (editors), The Formation and Evolution of China's Marginal Seas. China Ocean Press, Beijing, p.140-146.

Gao, S. and Jia, J. J., 2002. Grain size characteristics of the deposit in the Okinawa Trough, the East China Sea (in Chinese). In: Gao, S. and Li, J. B. (editors), The Formation and Evolution of China's Marginal Seas. China Ocean Press, Beijing, p.125-139.

Gao, S. and Li, J. B. (editors), 2002. The Formation and Evolution of China's Marginal Seas (in Chinese). China Ocean Press, Beijing, 175pp.

Gao, S. and Jia, J. J., 2001. Effects of upwelling on suspended sediment concentration and accumulation in mud areas of the East China Sea continental shelf (in Chinese). In: Hu, D. X., Zhang, S. and Han, W. Y. (editors), Land-ocean interaction in the Changjiang and Pear River estuaries and the adjoining coastal waters. China Ocean Press, Beijing, p.137-153.

Gao, S., Wang, Y. P. and Zhao, W. H., 2001. Correlation between suspended sediment concentration and nutrient contents over the East China Sea continental shelf (in Chinese). In: Hu, D. X., Zhang, S. and Han, W. Y. (editors), Land-ocean interaction in the Changjiang and Pear River estuaries and the adjoining coastal waters. China Ocean Press, Beijing, p.131-136.

Jia, J. J., Wang, Y. P. and Gao, S., 2001. Fine-grained sediment flux and cycling on East China Sea continental shelf: an Overview (in Chinese). In: Hu, D. X., Zhang, S. and Han, W. Y. (editors), Land-ocean interaction in the Changjiang and Pear River estuaries and the adjoining coastal waters. China Ocean Press, Beijing, p.111-121.

Gao, S. and Collins, M. B., 1999. On the formation of saltmarsh cliffs in an accretional environment (in Chinese). Proceedings of the 30th International Geological Congress (4-14 August, Beijing, Chinese version), Geological Publishing House, Beijing, v.13, p.74-85.

Gao, S. and Collins, M., 1997. Formation of saltmarsh cliffs in an accretional environment, Christchurch Harbour, southern England. In: Wang, P. X. and Berggren, W. A. (editors), Proceedings of the 30th International Geological Congress (Volume 13: Marine Geology and Palaeoceanography), VSP Press, The Netherlands, p.95-110.

- Liu, J. P., Milliman, J. D. and Gao, S., 2002. The Shandong mud wedge and post-glacial sediment accumulation in the Yellow Sea. *Geo-Marine Letters*, v.21, p.212-218.
- Sun, Y. B., Gao, S. and Lu, H. Y., 2001. Influence of different pretreatment procedures on the particle-size distribution of surficial sediments in the northern Yellow Sea (in Chinese, with English abstract). *Oceanologia et Limnologia Sinica*, v.32, no.6, p.665-671.
- Cheng, P., Gao, S. and Li, X. S., 2001. Evaluation of a wide range laser differential grain size analyser and comparison of its results with pipette and sieving methods (in Chinese, with English abstract). *Acta Sedimentologica Sinica*, v.19, no.3, p.449-455.
- Gao, S., 2000. Fine-grained sediment flux and cycling in shallow seas (in Chinese, with English abstract). *World Sci-tech R&D*, v.22, no.3, p.62-66.
- Gao, S., 2000. A theoretical framework of tracer methods for marine sediment dynamics. *Chinese Science Bulletin (English Version)*, v.45, no.15, p.1434-1440.
- Gao, S., Cheng, P., Wang, Y. -P. and Cao, Q. -Y., 2000. Characteristics of suspended sediment concentrations over the areas adjacent to the Changjiang River estuary, the summer of 1998. *Marine Science Bulletin (English Version)*, v.2, no.1, p.14-24.
- Gao, S., 2000. On a theoretical framework of tracer methods for marine sediment dynamics. *Chinese Science Bulletin (Chinese Version)*, v.45, no.3, p.329-334.
- Gao, S., and Collins, M., 1998. Equilibrium coastal profiles: I. review and synthesis. *Chinese Journal of Oceanology and Limnology*, v.16, no.2, p.97-107.
- Collins, M. B., Ke, X. -K. and Gao, S., 1998. Tidally-induced flow structure over intertidal flats. *Estuarine, Coastal and Shelf Science*, v.46, no.2, p.233-250.
- Gao, S., 1997. A solution to the third type of linear relationships between two variables in earth sciences. *Journal of Ocean University of Qingdao*, v.26, no.3, p.373-381.
- Gao, S., 1996. A FORTRAN program for grain size trend analysis to define net sediment transport pathways. *Computers and Geosciences*, v.22, no.4, p.449-452.
- Gao, S. and Collins, M., 1994. Tidal inlet stability in response to hydrodynamic and sediment dynamic conditions. *Coastal Engineering*, v.23, no.1, p.61-80.
- Gao, S. and Zhang, L.-R., 1989. Correlation between tidal current and SPM parameters, and tidal resuspension in the Jintang Channel (in Chinese, with English abstract). *Marine Science Bulletin*, v.8, no.4, p.51-58.
- Gao, S. and Zhu, D.-K., 1988. The profile of Jiangsu's mud coast (in Chinese, with English abstract). *Journal of Nanjing University (Natural Science Version)*, v.21, no.1, p.75-84.
- Gao, S., 1988. P-A relationships of tidal inlets along the East China Sea coast (in Chinese, with English abstract). *Marine Science*, no.1, p.15-19.
- Gao, S., 1986. Woods Hole Oceanographic Institution of U.S.A. (in Chinese). *Nature Magazine*, v.9, no.9, p.702-706.

Zhu, D.-K., Ke, X.-K. and Gao, S., 1986. Tidal flat sedimentation of Jiangsu coast (in Chinese, with English abstract). *Oceanography of Yellow and Bohai Seas*, v.4, no.3, p.19 27.

Zhu, D.-K. and Gao, S., 1985. A mathematical model for the geomorphic evolution and sedimentation of tidal flats (in Chinese, with English abstract). *Marine Science Bulletin*, v.4, no.5, p.15 21.