

# 64 Prof. Shucheng Xie



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## Education

B.A. Petroleum Geology, China University of Geosciences, Wuhan, China, 2000

M.A. Petroleum Geology, China University of Geosciences, Wuhan, China, 2002

Ph.D. Petroleum Geology, China University of Geosciences, Wuhan, China, 2005

## Work Experience

Lecturer, University of Science and Technology of China, 2001-2003

Associate Professor, University of Science and Technology of China, 2004-2007

Professor, University of Science and Technology of China, 2008-present

## Research Interests

Global change, molecular biology and biogeochemistry

## Committee Responsibilities and Professional Activities

Associate editor: *Frontiers of Earth Science*; *Geological Review*

Editorial Board Member: *China Science —Earth Science*; *Chinese Science Bulletin*; *Journal of Earth Science*; *Acta Geologica Sinica*; *Paleoworld*; *National Science Review*

## Major Publications

Xie, S.C, Pancost, R. D., Yin, H., Wang, H., Evershed, R. P. Two episodes of microbial change coupled with Permo/Triassic faunal mass extinction. *Nature*, 2005, 434, 494-497.

Xie, S.C, Nott, C.J., Avsejs, L.A., Maddy, D., Chambers, F.M., Evershed, R.P. Molecular and isotopic stratigraphy in an ombrotrophic mire for paleoclimate reconstruction. *Geochimica et Cosmochimica Acta*, 2004, 68(13): 2849-2862.

Xie, S.C, Guo, J., Huang, J., Chen, F., Wang, H., Farrimond P. Restricted utility of  $\delta^{13}C$  of bulk organic matter as a record of paleovegetation in some loess-paleosol sequences in the Chinese Loess Plateau. *Quaternary Research*, 2004, 62(1): 86-93.

Xie, S.C, Chen, F., Wang, Z., Wang, H., Gu, Y., Huang Y., 2003. Lipid distributions in loess-paleosol sequences in northwest China. *Organic Geochemistry* 34, 1071-1079.

Xie, S.C, Lai, X., Yi, Y., Gu, Y., Liu, Y., Wang, X., Liu, G., Liang, B., 2003. Molecular fossils in a Pleistocene river terrace in southern China related to paleoclimate variation. *Organic Geochemistry* 34, 789-797.

Xie, S.C, Yi, Y., Huang, J., Hu, C., Cai, Y., Collins, M., Baker, A., 2003. Lipid distribution in a subtropical southern China stalagmite as a record of soil ecosystem response to paleoclimate change. *Quaternary Research* 60, 340-347.

- Xie, S.C , Wang, Z., Wang, H., Chen, F., An, C., 2002. The occurrence of grassy vegetation over the loess plateau since the last interglacier: the molecular fossil record. *Science in China (D)* 45 , 53-62
- Xie, S.C , Yao, T., Kang, S., Xu, B., Duan, K., Thompson, L. G., 2000. Geochemical analysis of a Himalayan snowpit profile: implication for atmospheric pollution and climate. *Organic Geochemistry* 31, 15-23.
- Xie, S.C., Nott, C. J., Avsejs, L. A., Volders F., Maddy D., Chambers F. M., Gledhill A., Carter J. F., Evershed R. P. , 2000. Palaeoclimate records in compound-specific  $\delta D$  values of a lipid biomarker in ombrotrophic peat. *Organic Geochemistry* 31, 1503-1507.
- Xie, S.C , Yao, T., Kang, S., Xu, B., Duan, K., Thompson L. G., 1999. Climatic and environmental implications from organic matter in Dasuopu glacier in Qinghai-Tibetan Plateau. *Science in China (series D)* 42, 383-391.
- Xie, S.C , Yin, H., Wang, H., Zhou, X., Fu, J., Sheng, G., Zhang, H., 1997. Biomarkers in fluid inclusions of polymetallic deposit of Qixiashan, Nanjing, *Chinese Science Bulletin* 42, 1206-1208.
- Xie, S.C, Yin, H., Wang, H., Zhou, X., Fu, J., Sheng, G., Zhang, H., Lu, J., 1997. Experimental study of gold distribution in the algae-organic matter-fluid system. *Chinese Science Bulletin* 42, 1640-1642.
- Xie, S.C, Yi, Y., Liu, Y., Gu, Y., Ma, Z., Lin, W., Wang, X., Liu, G., Liang, B., Zhu, Z. 2003. The Pleistocene vermicular red earth in South China signalling the global climatic change: The molecular fossil record. *Science in China (Series D)*, 46 (11) : 1113-1120.
- Xie, S.C., Evershed, R. P., 2001. Peat molecular fossils recording the climatic change and vegetation variation. *Chinese Science Bulletin* , 46 (20) : 1749-1752.