

24 Prof. Xulong Lai



Name: Xulong Lai

Organization: China University of Geosciences, Wuhan, China

E-mail: xllai@cug.edu.cn

Education

B.A. China University of Geosciences, Wuhan, China, 1984

Ph.D. Paleontology and stratigraphy, China University of Geosciences, Wuhan, China, 1991

Work Experience

Deputy director of the geology, China University of Geosciences, Wuhan, China, 1993.6-1994.12

Vice President of the college of earth science, China University of Geosciences, Wuhan, China, 1995.1-1998.5

Chief of the international cooperation division, China University of Geosciences, Wuhan, China, 2002.2-2008.12

Vice President of the International Education College, China University of Geosciences, Wuhan, China, 2004.6-2008.12

President of the college of earth science, China University of Geosciences, Wuhan, China, 2008.12-2010.12

Vice President of China University of Geosciences, Wuhan, 2010.12-present

Research Interests

Biostratigraphy, ecological stratigraphy, sedimentology, and paleogeography, molecular paleontology

Major Publications

Lai, X. L., Wang, W., Wignall, P. B., Bond, D.P.G., Jiang, H. S., Ali, J.R., John, E. H., Sun, Y. 2008. Palaeoenvironmental Change During the End-Guadalupian (Permian) Mass Extinction in Sichuan, China. 2008, *Palaeogeography, Palaeoclimatology, Palaeoecology*. 269 (2008): 78-93

Luo, G. M., Lai, X. L., Shi, G. R., Jiang, H. S., Yin, H. F., Xie, S. C., Tong, J. N., Zhang, K. X., He, W. H., Wignall, P. B. Size variation of conodont elements of the Hindeodus-Isarcicella clade during the Permian-Triassic transition in South China and its implication for mass extinction. 2008, *Palaeogeography, Palaeoclimatology, Palaeoecology*. 264(2008):176-187

Luo, G. M., Lai, X. L., Feng, Q. L., Jiang, H. S., Wignall, P. B., Zhang, K. X., Sun, Y. D., Wu, J. 2008, End-Permian conodont fauna from Dongpan section: Correlation between the deep and shallow-water facies. *Science in China (D)*, 51(11): 1611-1622

Sun, Y. D., Lai, X. L., Jiang, H. S., Luo, G. M., Sun, S., Yan, C. B., Wignall, P. B. 2008, Guadalupian (Middle Permian) Conodont Faunas at the Shangsi Section, Northeast Sichuan Province. *Journal of China University of Geosciences*, Vol. 19, No. 5, 451-460

Jiang, H. S., Aldridge, R. J., Lai, X. L., Sun, Y. D., Luo, G. M. 2008. Observations on the surface

- micro-reticulation of platform elements of *Neogondolella* (Conodonta) from the Upper Permian, Meishan, China. *Lethaia*, 41 : 263-274
- Jiang, H. S., Lai, X. L., Luo, G. M., Aldridge, R. J., Zhang, K. X., Wignall, P. B., 2007. Restudy of conodont zonation and evolution across P/T Boundary at Meishan Section, Changxing, Zhejiang, China. *Global and Planetary Changes*, 55:39-55
- Yin, H. F., Feng, Q. L., Lai, X. L., Baud, A., Tong, J. N. 2007. The protracted Permo-Triassic crisis and the multi-act mass extinction around the Permian-Triassic boundary. *Global and Planetary Changes*, 55:1-20
- Zhang, K. X., Tong, J. N., Shi, G. R., Lai, X. L., et al. 2007. Early Triassic conodont-palynological biostratigraphy of the Meishan D Section in Changxing, Zhejiang Province, South China. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 252(1-2): 4-23
- Yin, H. F., Feng, Q. L., Baud, A., Xie, S. C., Benton, M. J., Lai, X. L., Bottjer, D. J. 2007, The prelude of the end Permian mass extinction predates a postulated bolide impact. *International Journal of Earth Sciences*, 96(5):903-909
- Xie, S. C., Pancost, R., Huang, J. H., Wignall, P. B., Yu, J. X., Tang, X. Y., Chen, L., Huang, X. Y., Lai, X. L. 2007. Changes in the global carbon cycle occurred as two episodes during the Permian-Triassic crisis. *Geology*, 35(12):1083-1086
- Huang, X. Y., Dan, D., Lu, L. Q., Xie, S. C., Huang, J. H., Wang, Y. B., Yin, H. F., Wang, H. M., Zhang, K. X., Lai, X. L. 2007. The fluctuating environment associated with the episodic biotic crisis during the Permo-Triassic transition: Evidence from microbial biomarkers in Changxing, Zhejiang Province. *Science in China (Series D)*, 50(7): 1052-1059
- Leng, Q., Fan, S. H., Wang, L., Yang, H., Lai, X. L., Cheng, D. D., Ge, J. W., Shi, G. L., Jiang, Q., Liu, X. Q. 2007, Updated database of all known native *Metasequoia glyptostroboides* in South-Central China based on new census surveys and expeditions. *Bulletin of Peabody Museum of Natural History*, 48(2): 185-233
- Zheng, Y. Y., Xu, R. K., Wang, C. Y., Ma, G. T., Lai, X. L., Ye, D. J., Cao, L., Liang, J. W., 2007. Discovery of Early Triassic conodonts in western Gangdise and the establishment of the Tangnale Formation. *Science in China (Series D)*, 50(12): 1767-1772
- Luo, G. M., Lai, X. L., Jiang, H. S., Zhang, K. X., 2006. Size variation of the end Permian conodont *Neogondolella* at Meishan section, Changxing, Zhejiang and its significance. *Science in China (Series D)*, 49(4): 337-347
- Weinstock, J., Willerslev, E., Sher, A., Tong, W. H., Ho, S. Y., Rubenstein, W., Storer, J., Burns, J., Martin, L., Bravi, C., Prieto, A., Froese, D., Scott, E., Lai, X. L., Cooper, A. 2005. Evolution, Systematics, and Phylogeography of Pleistocene Horses in the New World: A Molecular Perspective. *PLoS Biology*, 3(8) e241: 1373-1379
- Xie, S. C., Lai, X. L., et al., 2003, Molecular fossils in a Pleistocene river terrace in southern China related to paleoclimate variation. *Organic Geochemistry*, 34: 789~797
- Lai, X. L., Swift, A. 2002, Ramiform illustrations in our publication should be emphasized_ A review of the Permian-Triassic conodont taxonomy. *Albertiana*, 27: 29-31
- Lai, X. L., Wignall, P. B., Zhang, K. X., 2001, Palaeoecology of the conodonts *Hindeodus* and *Clarkina* during the Permian-Triassic transitional period. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 171: 63-72.