

# 1-3 Prof. Haishui Jiang

Name: Haishui Jiang

Organization: China University of Geosciences, Wuhan, China

E-mail: jiangliuis@hotmail.com; jiangliuis@163.com



## Education

B.A. Geology, China University of Geosciences, Wuhan, China, 1993.9-1997.6

M.A. Paleontology and Stratigraphy, China University of Geosciences, Wuhan, China, 2002.9-2005.6

Ph.D. Paleontology and Stratigraphy, China University of Geosciences, Wuhan, China, 2005.9-2008.6

## Work Experience

University of Science and Technology of China, 2008-present

## Research Interests

Conodont evolution and biological formation during Permian-Triassic to Triassic, and the geological events during this period

Molecular organs and cluster of Triassic conodonts

## Major Publications

Wang, D. C., Jiang, H. S., Gu, S. Z., Yan, J. X., 2016. Cisuralian–Guadalupian conodont sequence from the Shaiwa section, Ziyun, Guizhou, South China. *Palaeogeography, Palaeoclimatology, Palaeoecology* 457: 1-22.

Wang, L. N., Wignall, P. B., Wang, Y. B., Jiang, H. S., Sun, Y. D., Li, G. S., Yuan, J. L., Lai, X. L., 2016. Depositional conditions and revised age of the Permo-Triassic microbialites at Gaohua section, Cili County (Hunan Province, South China). *Palaeogeography, Palaeoclimatology, Palaeoecology* 443: 156-166.

Jiang, H. S., Joachimski, M. M., Wignall, P. B., Zhang, M. H., Lai, X. L., 2015. A delayed end-Permian extinction in deepwater locations and its relationship to temperature trends (Bianyang, Guizhou Province, South China). *Palaeogeography, Palaeoclimatology, Palaeoecology* 440(15): 690-695.

Chen, Z. Q., Yang, H., Luo, M., Benton, M. J., Kaiho, H., Zhao, L. S., Huang, Y. G., Zhang, K. X., Fang, Y. H., Jiang, H. S., Qiu, H., Li, Y., Tu, C. Y., Shi, L., Zhang, L., Feng, X. Q., Chen, L., 2015. Complete biotic and sedimentary records of the Permian–Triassic transition from Meishan section, South China: Ecologically assessing mass extinction and its aftermath. *Earth-Science Reviews* 149: 63–103

Tate, G., McQuarrie, N., van Hinsbergen, D. J. J., Bakker, R. R., Harris, R., Jiang, H. S., 2015. Australia going down under: Quantifying continental subduction during arc-continent accretion in Timor-Leste. *Geosphere*, doi:10.1130/GES01144.1

Yan, C. B., Jiang, H. S., Lai, X. L., Sun, Y. D., Yang, B., Wang, L. N., 2015. The Relationship

- between the “Green-Bean Rock” Layers and Conodont *Chiosella timorensis* and Implications on Defining the Early–Middle Triassic Boundary in the Nanpanjiang Basin, South China. *Journal of Earth Science*, 6(2) 236–245
- Chen, Y. L., Jiang, H. S., Lai, X. L., Yan, C. B., Richoz, S., Liu, X. D., Wang, L. N., 2015. Early Triassic conodonts of Jiarong, Nanpanjiang Basin, southern Guizhou Province, South China. *Journal of Asian Earth Sciences* 105:104–121
- Zhang, N., Jiang, H. S., Zhong, W. L., Huang, H. H., Xia, W. C., 2014. Conodont Biostratigraphy across the Permian-Triassic Boundary at the Xinmin Section, Guizhou, South China. *Journal of Earth Science*, 25(5): 779–786.
- Jiang, H. S., Lai, X. L., Sun, Y. D., Wignall, P. B., Liu, J. B., Yan, C. B., 2014. Permian–Triassic Conodonts from Dajiang (Guizhou, South China) and Their Implication for the Age of Microbialite Deposition in the Aftermath of the End-Permian Mass Extinction. *Journal of Earth Science*, 25(3): 413–430.
- Yin, H. F., Jiang, H. S., Xia, W. C., Feng, Q. L., Zhang, N., Shen, J., 2014. The end-Permian regression in South China and its implication on mass extinction. *Earth-Science Reviews*, 137: 19-33.
- Jiang, H. S., Lai, X. L., 2014. Did conodont *Clarkina orientalis* reworked during the Permian–Triassic transition? The 3rd International Conference of Geobiology-Combining ancient records with the present day observations. Abstract: 73.
- Yan, C. B., Wang, L. N., Jiang, H. S., Wignall, P. B., Sun, Y. D., Chen, Y. L., Lai, X. L., 2013. Uppermost Permian to Lower Triassic conodonts at Bianyang section, Guizhou, South China. *Palaios* 28, 509-522.
- Chen, Y. L., Twitchett, R. J., Jiang, H. S., Richoz, S., Lai, X. L., Yan, C. B., Yadong, S., Liu, X. D., Wang, L. N., 2013. Size variation of conodonts during the Smithian-Spathian (Early Triassic) global warming event. *Geology* 41, 823-826.
- Jiang, H. S., Lai, X. L., 2013. The cladistic analysis of gondolelloids and its implications. In Albanesi G. L. and G. Ortega (Eds) *Conodonts from the Andes-Publicación Especial No 13-Julio 2013-Paleontological Note*. Abstract: 142.
- Sun, Y. D., Joachimski M, Wignall P B, Yan C B, Chen Y L, Jiang H S, Wang LN, Lai X L., 2013. Response to comment on “Lethally Hot Temperatures During the Early Triassic Greenhouse”. 10.1126/science.1233090.
- Sun, Y. D., Joachimski, M., Wignall, P. B., Yan, C. B., Chen, Y. L., Jiang, H. S., Wang, L. N., Lai, X. L., Lethally Hot Temperatures During the Early Triassic Greenhouse. *Science*, 338: 366-370.
- Joachimski, M., Lai, X. L., Shen, S.Z., Jiang, H. S., Luo, G.M., Chen, B., Sun, Y.D., 2012. Climate warming in in the latest Permian and Permian-Triassic mass extinction. *Geology*, 40: 195-198.
- Yang, B., Lai, X. L., Wignall, P. B., Jiang, H. S, Yan, C. B., Sun, Y. D., 2012. A newly discovered earliest Triassic chert at Gaimao section, Guizhou, Southwestern China. *Palaeogeography, Palaeoclimatology, Palaeocology* 344-345, 69-77.
- Wignall, P. B., Bond, D. P. G., Haas, J., Wang, W., Jiang, H. S., Lai, X. L., Altiner, D., Veldner, S., Hips, K., Zajzon, N., Sun, Y. D., Newton, R. J., 2012. Capitanian (Middle Permian) Mass extinction and recovery in western Tethys: A fossil, facies, and  $\delta^{13}\text{C}$  study from Hungary and Hydra island (Greece). *Palaios*, 27: 78–89.

- Song, H. J., Wignall, P. B., Chen, Z. Q., Tong, J. N., Bond, D. P. G., Lai, X. L., Zhao, X. M., Jiang, H. S., Yan, C. B., Niu, Z. J., Chen, J., Yang, H., Wang, Y. B., 2011. Recovery tempo and pattern of marine ecosystems after the end-Permian mass extinction. *Geology*, 39(8): 739-742.
- Jiang, H. S., Lai, X. L., Yan, C. B., Aldridge, R. J., Wignall, P., Sun, Y. D., 2011. Revised conodont zonation and conodont evolution across the Permian-Triassic boundary at the Shangsi section, Guangyuan, Sichuan, South China. *Global and Planetary Change*, 77(3-4): 103-115.
- Jiang, H. S., Aldridge, R. J., Lai, X. L., Yan, C. B., Sun, Y. D., 2011. Phylogeny of the conodont genera *Hindeodus* and *Isarcicella* across the Permian-Triassic boundary. *Lethaia*, 44: 374-382.
- Sun, Y. D., Lai, X. L., Wignall, P. B., Widdowson, M., Ali, J. R., Jiang, H. S., Wang, W., Yan, C. B., Bond, D. P. G., Védérine, S., 2010. Dating the onset and nature of the Middle Permian Emeishan large igneous province eruptions in SW China using conodont biostratigraphy and its bearing on mantle plume uplift models. *Lithos*, 119, 20-33.
- Bond, D. P. G., Wignall, P. B., Jiang, H. S., Lai, X. L., Sun, Y. D., Newton, R. J., Shao, L. Y., Védérine, S., Cope, H., 2010. The mid-Capitanian (Middle Permian) mass extinction and carbon isotope record of South China. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 292: 282-294.
- Wignall, P. B., Sun, Y., Bond, D. P. G., Izon, G., Newton, R. J., Védérine, S., Widdowson, M., Ali, J. R., Lai, X., Jiang, H., Cope, H., Bottrell, S. H., 2009. Volcanism, Mass Extinction, and Carbon Isotope Fluctuations in the Middle Permian of China. *Science* 324, 1179-1182.
- Wignall, P. B., Védérine, S., Bond, D. P. G., Wang, W., Lai, X., Ali, J. R., Jiang, H., 2009. Facies analysis and sea-level change at the Guadalupian-Lopingian Global Stratotype (Laibin, South China), and its bearing on the end-Guadalupian mass extinction. *Journal of the Geological Society, London*, Vol. 166, pp. 655-666.
- Jiang, H., Aldridge, R. J., Lai, X., Sun, Y., Luo, G., 2008. Observations on the surface microreticulation of platform elements of *Neogondolella* (Conodonta) from the Upper Permian, Meishan, China. *Lethaia*, 41, 263-274.
- Lai, X., Wang, W., Wignall, P. B., Bond, D. P. G., Jiang, H., Ali, J. R., John, E. H., Sun, Y., 2008. Palaeoenvironmental Change During the End-Guadalupian (Permian) Mass Extinction in Sichuan, China. *Palaeogeography, Palaeoclimatology, Palaeoecology* 269: 78-93.
- Luo, G., Lai, X., Shi, G., Jiang, H., Yin, H., Xie, S., Tong, J., Zhang, K., Wignall, P. B., 2008. Size variation of conodont *Hindeodus-Isarcicella* during the T/P transition in South China and its significance. *Palaeogeography, Palaeoclimatology, Palaeoecology* 264: 176-187.
- Luo, G., Lai, X., Feng, Q., Jiang, H., Wignall, P. B., Zhang, K., Sun, Y., 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., Lai, X., Jiang, H., Luo, G., Sun, S., Yan, C., Wignall, P. B., 2008. Guadalupian (Middle Permian) Conodont Faunas at the Shangsi Section, Northeast Sichuan Province. *Journal of China University of Geosciences*, 19(5), 451-460.
- Jiang, H., Lai, X., Luo, G., Aldridge, R. J., Zhang, K., Wignall, P. B., 2007. Restudy of conodont zonation and evolution across the P/T Boundary at Meishan Section, Changxing, Zhejiang, China. *Global and Planetary Change*, 55, 39-55.
- Luo, G., Lai, X., Jiang, H., Zhang, K., 2006. Size variation of the end Permian conodont

Neogondolella at Meishan Section, Changxing, Zhejiang and its significance. *Science in China (D)*, 49 (4), 337-347.

Yang, H., Zhang, S., Jiang, H., 2006. Age and General Characteristics of Calcimicrobial ite near the Permian-Triassic Boundary in Chongyang, Hubei Province. *Earth Science—Journal of China University of Geosciences*. 17(2): 97-102..