

1-6 Prof. Hongtao Zhu

Name: Hongtao Zhu

Organization: Department of Petroleum Geology and
Engineering, Faculty of Earth Resources, China
University of Geosciences

E-mail: htzhu@cug.edu.cn; zhuoscar@sohu.com



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

Present Position: Professor, China University of Geosciences (Dec. 2013 - Present).

Visiting Scholar, Bureau of Economic Geology, The University of Texas at Austin (Nov. 2011 – Jan. 2013).

Visiting Scholar, Energy & Geoscience Institute, The University of Utah, Apr. 2014.

Postdoctoral research fellow, Australia Commonwealth Scientific and Industrial Research Organisation (Jun. 2006 – Feb. 2008).

Lecture, China University of Geosciences (Jul. 2005 - Nov. 2008).

Research Interests

Seismic and sequence stratigraphy, sequence stratigraphic modeling, sedimentology, Seismic sedimentology.

Services

American Association of Petroleum Geologists, Society of Exploration Geophysicists
International Association of Sedimentologists.

Committee Responsibilities and Professional Activities

Editorial Board, Journal of Earth Science (English and Chinese Edition).

Major Publications

Zhu, H. T., Yang, X. H., Liu, K. Y., et al., 2014. Seismic-based sediment provenance analysis in continental lacustrine rift-basins: an example from the Bohai Bay Basin, China, *AAPG Bulletin*, 98(10), 1995-2018.

Zhu, H. T., Zeng, H. L., Liu, K. Y., 2013. A Quantitative simulation study of asymmetrical tectonic subsidence control on non-synchronous sequence stacking patterns of Eocene lacustrine sediments in Bohai Bay Basin, China. *Sedimentary Geology*, 294: 328-341.

Zhu, H. T., Yang, X., Zhou, X. H., et al., 2014. Three-dimensional facies architecture analysis using sequence stratigraphy and seismic sedimentology: Example from the Paleogene Dongying Formation in the BZ3-1 Block of the Bozhong Sag, Bohai Bay Basin, China.

Marine and Petroleum Geology, 51, 20-33.

- Zhu, H. T., Liu, K. Y., Yang, X. H., et al., 2013. Sedimentary controls on the sequence stratigraphic architecture in intra-cratonic basins: An example from the Lower Permian Shanxi Formation, Ordos Basin, northern China. *Marine and Petroleum Geology*, 45, 42-54.
- Zhu, H. T., Zeng, H. L., Yang, X. H., et al., 2013. Seismic interpretation of tectonic and paleogeomorphologic controls on sediment dispersal patterns in a continental rift basin: a case study from the Bohai Bay Basin, China. *Interpretation*, 1(1): 1-13.
- Zhu, H. T., Liu, Q. H., Liu, Z. B., 2013. Quantitative simulation on the retrogradational sequence stratigraphic pattern in intra-cratonic basins using physical tank experiment and numerical simulation. *Journal of Asian Earth Sciences*, 66: 249-257.
- Zhu, H. T., Chen, K. Y., Liu, K. Y., et al., 2008. A sequence stratigraphic model for reservoir sand-body distribution in the Lower Permian Shanxi Formation in the Ordos Basin, northern China. *Marine and Petroleum Geology*, 25, 731-743.
- Zhu, H. T., Liu, K. Y., Chen, K. Y., et al., 2009. Differential Interformational Velocity Analysis as an Effective Direct Hydrocarbon Indicator under velocity reversal conditions, an example from the anomalous high temperature and over-pressured DF1-1 Gas Field in the Yinggehai Basin, South China Sea *Petroleum Science*, 6(4) : 339-346.
- Zhu, H. T., Du, Y. S., Liu, K. Y., et al., 2008. Sequence stratigraphic delineation and correlation of the Dongying Formation in the nearshore and adjacent sea area, Bohai Bay Basin. *Journal of China University of Geosciences*, 19(1): 54-64.