

Tingying Xu

Earth and Planetary Sciences

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Education

PhD Candidate in Earth and Planetary Sciences,

Washington University in St. Louis

2013-Present

M. S. Structural Geology, Peking University, P. R. China

2009-2012

Undergraduate, Geochemistry, Peking University, P. R. China

2005-2009

Intended Areas of Study

- Environmental Geochemistry
- Geochemistry related to Ore Deposits, Geochemical Cycle and Climate Changes

Research Experience

Research of Cenozoic tectonic deformation in Sichuan Basin **Sept. 2010-Jun.2012**

- Analysis block structure and crustal deformation style at the depth dimension in south Chongqing
- Field trips to Chongqing and Hunan province to gain detailed analysis of structures

SINOPEC Prospect Project **Sept. 2009- Jun. 2010**

General correlation of the Paleozoic transitional strata basins in north China and adjacent areas

- Study of mineralization at the depth dimension
- Study of normal $^{40}\text{Ar}/^{39}\text{Ar}$ dating method

Research of Phase equilibria and metamorphic progresses **Aug. 2008-Jun. 2010**

- Calculate PT-t paths using THERMOCALC
- Field trip to Western Dabie Mountain and collects samples of mica-schists and gneisses in the HP-UHP Belt

Research work in an undergraduate research program **Jun. 2007-Aug. 2008**

- Collect samples or geochemical analysis and field trips to Western Dabie Mountain
- Calculate PT condition using traditional geothermometry and geobarometry

TA of undergraduate course “Field Mapping Practice” **Jul. 2011-Aug. 2011**

- Compile teaching materials of “Field Mapping Practice”
- Give lectures on MapGis software

TA of graduate course “Seismic Stratigraphy” **May. 2011- Jul. 2011**

- Give lectures on Chapters of *Characteristics of seismic events* and *data processing*

Publications

- Xu, Tingying, et al, Tectonic levels and deformation patterns of the Eastern Sichuan Fold Belt. Chinese Journal of Geology, 2012, Vol.47, 788-807.

Conference Attendance

- 6th National Symposium on Volcano, Xilinhot, Inner Mongolia Autonomous Region, Aug.2011

Honors

- Academic Scholarship Peking University 2009-2011
- Geology Scholarship Peking University 2005-2009
- Chun-Tsung Scholar Committee of the "Chun-Tsung Endowment" 2007

Skills

- Skilled in use of CorelDraw, GMT, MapGIS, Global Mapper, Minpet, AX software, Electron Microprobe tests, THERMOCALC
- Mastered in application of Microsoft Office, Photoshop
- Experimental ability in normal $^{40}\text{Ar}/^{39}\text{Ar}$ dating