

CURRICULUM VITAE

Shizuko Watanabe

Science & PE Division Eastfield College
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EDUCATION

- Doctor of Philosophy in Geology** 2010
Miami University, Oxford, OH
- Master of Science in Geology** 2003
Miami University, Oxford, OH
- Bachelor of Arts in Geology** 2001
Hanover College, Hanover, IN

TEACHING EXPERIENCE

- Geology Faculty**, Science and PE Division, Eastfield College Fall 2010-present
- Teaching earth science (GEOL1401) and historical geology (GEOL1404)
- Instructor**, Department of Geology, Miami University Spring 2010
- Taught an introductory course in physical geology (GLG111) to undergraduate students
- Teaching Assistant**, Department of Geology, Miami University Spring 2008
- Improved chemical separation and TIMS analytical procedures for Sr-Nd-Pb isotopes
 - Facilitated Microwave Digestion Technique workshop (GLG599U)
- Teaching Assistant**, Department of Geology, Miami University 2001 – 2003
- Taught laboratory sections of introductory geology (GLG115) and igneous petrology (GLG357)
- Peer Orientation Leader**, Office of International Programs, Miami University August 2002
- Planned and led orientation activities for new international undergraduate and graduate students
- Teaching Assistant**, Geology Department, Hanover College 1999 – 2001
- Facilitated introductory geology and environmental geology laboratory courses
- English Teacher**, Meikou Gijuku, Japan 1998
- Taught English as a second language to Japanese middle school students on a one-on-one basis

ACADEMIC SERVICE/ OTHER VOLUNTEER WORK

- Guest Speaker**, Various local events and schools 2002 – 2010
- Taught geology and earth science to a young audience (K–12th grade) through presentations, hands-on activities, and field trips
- Graduate Student Representative**, Department of Geology, Miami University 2008 – 2009
- Attended weekly faculty meeting and informed graduate students of relevant issues

- Race Committee**, State to State Half Marathon and 5K planning committee 2004 – 2008
- Planned and managed the race and race expos
 - Purchased and distributed the awards to recipients
- Geobiology Search Committee**, Miami University Geobiology search committee 2006 – 2008
- Reviewed and screened applications
 - Assisted with candidate interviews
- Laboratory Assistant**, Paleontology Laboratory Assistant, Cincinnati Museum Center 2002 – 2004
- Prepared juvenile diplodocus bones for research and museum display
 - Excavated juvenile diplodocus bones in Montana during the 2003 field season

PUBLICATIONS

- Watanabe, S.**, Day, J., Walker, R.J., Yu, H., Widom, E. (in prep) Platinum Group Elements and $^{186}\text{Os}/^{188}\text{Os}$ isotope systematics in Azores basalts: Implications for the Origin of the Azores Mantle Plume. To be submitted to Chemical Geology.
- Watanabe, S.**, Widom, E., Snyder, D., Wallenstein, N. (in prep) The Evolution of Chemically Zoned Trachyte Deposit: the Processes and Timescales of the 1563AD Eruption of Fogo Volcano, São Miguel, Azores. To be submitted to Chemical Geology.
- Watanabe, S.**, Widom, E., Rowland-Smith, A., Wallenstein, N. (in prep) The 1630AD Eruption of Furnas Volcano, São Miguel, Azores: Magmatic Processes and Timescales. To be submitted to Journal of Volcanology and Geothermal Research.
- Watanabe, S.**, Widom, E., Ui, T., Miyaji, N., Roberts, A.M. (2006) The Evolution of a chemical zoned magma chamber: the 1707 Eruption of Fuji volcano, Japan. Journal of Volcanology and Geothermal Research 152: 1-19.
- Watanabe, S.** (2003) The Evolution of a Chemically Zoned Magma Chamber: the 1707 Eruption of Fuji Volcano, Japan. Master's Thesis, Miami University, 105pp.

HONORS/RESEARCH GRANTS

- Miami University, Graduate Student Teaching Enhancement Program Professional Expense 2009
- Department of Geology, Miami University, Doctoral Award 2008
- Geological Society of America, Student Research Grant 2005
- Miami University Graduate School, Graduate Students' Achievement Award 2004
- Geochemical Society, 13th V. M. Goldschmidt Conference student travel grant 2003
- Sigma Xi, Student Research Grant 2002
- Geological Society of America, Student Research Grant 2002
- Dr. Eileen Sinclair Academic Scholarship, Hanover College 1998 – 2001