

Patricia Garcia

South Jordan, UT 84095
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Education

Master of Science in Geology

University of Utah, Salt Lake City, UT 2015

Bachelor of Science in Geology

Utah Valley University, Orem UT 2011

Skills

Technical Writing
Atmospheric Sciences
Petroleum Career Path Certification
QEMSCAN Analysis

Thin-section Analysis
Hydrogeology
Paleontology
Ichnology

Library research
Statistical Analysis
Carbonate Geology
Geology Field Work

Teaching Experience

Lab Manager-Utah Valley University.....2015-Current

Short courses-Office of Teaching and Learning (Utah Valley University.....2015-Current

(Utah Valley University), (Orem, Utah).....2015-Current

- Geology
- Meteorology
- Capitol Reef Excursion-Geo 202
- Latino Initiative Summer Courses

[University of Utah], [Salt Lake City, Utah]..... [2012] – [2015]

[Teaching Assistant]

- Sedimentary Geology and Stratigraphy
- Paleobiology
- Petroleum Career Path

[Utah Valley University], [Orem, Utah]..... [2011] – [2012]

[Adjunct Faculty]

- Geology Labs
- Meteorology Labs
- Environmental Studies

[Office of Rehabilitation], [Provo, Utah] [2011] – [2012]

- College Algebra for blind students.

Awards

- 2014 University of Utah Teaching Innovation Scholarship-\$16,000
- Jeanette Rankin Foundation Scholarship 2006-2011-\$10,000
- 2010 Jon and Karen Huntsman Scholarship-\$5000
- 2008 Jon Huntsman Governor's Scholar
- 2008 Outstanding Student Award, Dept. of Earth Science
- Geneva Park Scholarship-\$1500
- Honorable Mention for Excellence in Mathematics, Science and Engineering Barry M. Goldwater Foundation
- Pope Family Scholarship-\$1000
- University Teaching Award (2014)-University of Utah

- UVU Board of Regents Scholarship-\$1000
- UVU Department of Science and Health Merit Scholarship-\$1500
- UVU Multicultural Scholarship-\$4000

Publications

S.H. Emerman, K.L. Stuart, **A. Sapkota**, S. Khatri, B.R. Adhikari, J.A. Williams, and **P.K. Garcia**. Support for the fluvial recharge model for arsenic contamination of groundwater in Pokhara Valley, Nepal Himalaya: Journal of Nepal Geological Society, 2012.

Stephen, D.A., Bylund, K. G., **Garcia, P.**, McShinsky, R.D., and Carter, H.J. Taphonomy of dense concentrations of juvenile ammonoids in the Upper Cretaceous Mancos Shale, east-central Utah, USA, Dijon at the International Cephalopod Symposium, Dijon, France. Published in the journal "Geobios" 2012.

Research

- Paleocology of Upper Cambrian Carbonate Units in western Utah (2015)
- Taphonomy of Ammoniods, Utah (2012)
- Upper Ganges River Contamination Hydrology, Pokara Valley, Nepal (2010-2011)
- Hydrology, Garbanzo, Guanajuato, Mexico (2010)
- Contaminant Hydrogeology, Mali, Africa (2010)
- Shield Volcano Hydrology, Tamala, Guanajuato, Mexico (2009)
- Hydrology Copper Canyon, Chihuahua, Mexico (2009)

Research Grants

- Water Supply Options for Village, Scholarly Activities Committee, August, 2009, \$1000
- Scholarly Activities Committee Grant, 2009, \$1200
- Water Supplies for Tarahumara, Mexico, Scholarly Activities Committee 2009, \$1000
- Water Options for Villages, Scholarly Activities Committee Guanajuato, Mexico, 2010--\$1000
- Hydrogeology of a Shield Volcano, DOSECC Research Grant in Scientific Drilling, 2010, \$2500
- Arsenic in Groundwater in Mali, West Africa, Scholarly Activities Committee, 2010, \$1000
- Presentation at 6th Nepal Geological Congress, Kathmandu, Nepal, SAC Grant, 2010, \$1000
- Presentation at 6th Nepal Geological Congress, Kathmandu, Nepal, AWG Grant, 2010, \$2500
- Role of Poor Sanitation in Arsenic Contamination of Groundwater, Grant, 2010, \$1000
- Presentation at 6th Nepal Geological Congress, Kathmandu, Nepal, AWG Grant, 2010, \$2500
- Role of Poor Sanitation in Arsenic Contamination of Groundwater, Grant, 2010, \$1000

Selected Presentations at Professional Meetings

- Utah Friends of Paleontology, Salt Lake City, Utah, 2013.
- 27th Himalaya-Karakorum-Tibet Workshop, Kathmandu, Nepal, November 28, 2012.
- 32nd Annual American Geophysical Union Hydrology Days, Fort Collins, CO, March 21, 2012.
- 64th Annual Meeting, Geological Society of America, Rocky Mountain Section, May 10, 2012.
- 63rd Annual Meeting, Geological Society of America, Rocky Mountain Section, Session on Engineering, Environmental and Hydrogeology, Logan, Utah, May 20, 2011.
- 34th International Conference, Association for Arid Lands Studies, Salt Lake City, Utah, April 13, 2011.
- Utah Conference on Undergraduate Research, Ogden, Utah, February 18, 2011.
- 62nd Annual Meeting, Geological Society of America, Rocky Mountain Section, Rapid City, South Dakota, Dakota, April 21, 2010.
- Utah Conference on Undergraduate Research, Cedar City, Utah, February 26, 2010.
- Utah Valley University Seminar (2009-2010).
- 61st Annual Meeting, Geological Society of America, Rocky Mountain Section.