

**JESSICA L.D. KAPP**

**Contact Information:** jkapp@arizona.edu

**PRESENT POSITIONS:**

Associate Professor of Practice, Department of Geosciences, University of Arizona, 1040 E Fourth St., Tucson, AZ 85721-0077

Director of Undergraduate Studies, Dept of Geosciences, University of Arizona (Interim)

Chair, Undergraduate Policy Committee, Dept of Geosciences, University of Arizona (Interim)

Senior Academic Advisor, Dept of Geosciences, University of Arizona

Faculty co-advisor, Society of Earth Science Students, undergraduate club, Dept of Geosciences, University of Arizona

**CHRONOLOGY OF EDUCATION**

**2004** – Department of Earth and Space Sciences, University of California, Los Angeles; **Ph.D.** in geology, May 2004; Dissertation title: *The Nyainqentanglha Shan: A window into the tectonic, thermal, and geochemical evolution of the Lhasa block, southern Tibet*; Advisor: T. Mark Harrison; Major Field: Geology

**1998** – Department of Earth and Environmental Sciences, Vanderbilt University; **M.S.** in geology, May 1998; Thesis title: *Geology and Petrogenesis of the Ireteba Pluton: Implications for the generation of peraluminous granites*; Advisor: Calvin F. Miller; Major Field: Geology

**1996** – Department of Geology, Syracuse University; **B.S.** in geology, May 1996; Senior thesis advisor: Marion (Pat) Bickford; Major Field: Geology

**CHRONOLOGY OF EMPLOYMENT**

**2020 - present** Curriculum Coordinator, General Education Office, University of Arizona, Tucson, AZ

**2018 - present** Associate Professor of Practice, Department of Geosciences, University of Arizona, Tucson, AZ

**2018 - 2023** – Director of Undergraduate Studies, Department of Geosciences, University of Arizona, Tucson, AZ

**2014 - 2018** – Senior Lecturer, Department of Geosciences, University of Arizona, Tucson, AZ

**2012 - 2018** – Associate Department Head, Department of Geosciences, University of Arizona, Tucson, AZ

**2005 - 2014** – Lecturer, Department of Geosciences, University of Arizona, Tucson, AZ

**2003 - 2005** – High School Teacher and Department Head for Math and Science, Southgate Academy, Tucson, AZ

## **MEDIA**

- 2020 –2022** - Creator and host of podcast, “Storybook Earth”, Geology Podcast Network. <https://www.travelinggeologist.com/geology-podcast-network/>
- 2019** – Daily Wildcat – “Students attend Gem Show with UA Geologist”
- 2018 – present** – Creator and host of podcast, “Plucky Ladies” produced at UArizona <https://soundcloud.com/pluckyladies>
- 2018** – Guest on The New Professor podcast. <https://thenewprofessor.com/tnp-026/>
- 2018** – Guest on Type A Hippie podcast. <https://www.thetypeahippie.com/podcast/96-thetypeahippie-podcast-chicast-speaking-truth-to-power-jessica-kapp-phd>
- 2018** – TEDx talk “Saying Yes: Taking Risks in Pursuit of Self-Discovery” [https://www.youtube.com/watch?feature=emb\\_logo&time\\_continue=2&v=aTcSJ5PVG0U](https://www.youtube.com/watch?feature=emb_logo&time_continue=2&v=aTcSJ5PVG0U)
- 2016 – present** – Odyssey Storytelling – show host and storyteller (all available on website jesskapp.com). Samples linked below:
- Natural (story by Jess Kapp)** <https://odysseystorytelling.libsyn.com/jess-kapp-natural>
- Potluck (hosted by Jess Kapp)** <https://odysseystorytelling.libsyn.com/website/size/5/?search=Potluck>
- You Don’t Know Me (hosted by Jess Kapp)** <https://odysseystorytelling.libsyn.com/website/february-2018-you-dont-know-me>
- Red Hot (hosted by Jess Kapp)** <https://odysseystorytelling.libsyn.com/website/february-2019-red-hot>
- Fireworks (hosted by Jess Kapp)** <https://odysseystorytelling.libsyn.com/website/july-2019-fireworks>
- 2015-** AZPM PBS Arizona Illustrated – “Texas Canyon” [https://www.youtube.com/watch?feature=emb\\_logo&v=OKuj8Y2ENU](https://www.youtube.com/watch?feature=emb_logo&v=OKuj8Y2ENU)
- 2013-** Arizona Daily Star article; Centennial Hall: a lab for testing teaching strategies (co-authored with Ed Prather, Dept. of Astronomy, UA)
- 2012-** OIA Faculty Resource Video – “Active Learning in the Large Classroom”
- 2001-** The Learning Channel – “Top Ten Natural Wonders”

## **HONORS AND AWARDS**

- 2018** – Innovation in Teaching Award, College of Science, University of Arizona
- 2017** – Faculty Fellow (Transfer Student Center, University of Arizona)
- 2017** – Honors Professor (Honors College, University of Arizona)
- 2015** – Society of Southwestern Authors Writing Contest, First Place, Short Fiction
- 1999** – Outstanding Student Paper Award, American Geophysical Union
- 1996** – Outstanding Senior Award, Department of Geology, Syracuse University

## **SERVICE/OUTREACH**

- 2024-2025** – Career Track Rep on Dean’s faculty representatives committee (DEI subgroup)
- 2023-present** – Director of Instructional Innovation, Dept of Geosciences, UA
- 2018 – 2023** – Director of Undergraduate Studies, Dept of Geosciences, UA
- 2021** - Head poster judge, GeoDaze Student Symposium, University of Arizona Geosciences

**2020 – 2021** – Coordinator, Quantitative Reasoning in General Education  
**2020 – present** – Member, University of Arizona Quantitative Reasoning committee  
**2020 – present** – Member, UArizona Ad Hoc Career Track Advisory Committee  
**2020 – present** – Mentor, Women in Science and Engineering Mentor program  
**2019 – present** – Member, College of Science Career Track promotion review committee  
**2019 – 2021** – Member, undergraduate scholarship review committee, department of geosciences  
**2019 (spring)** – Panelist, Women in Science and Engineering Launch your Career Symposium  
**2019** – Women in Science articles submitted to Women’s History Museum newsletter  
**2018 – 2021** – Member, College of Science student awards review committee  
**2018 (spring)** – Community Scholars Program (Geos 255 – Historical Geology)  
**2018** – TEDx U of A talk entitled “Say Yes: Taking Risks in Pursuit of Self Discovery”  
**2017- present** – Transfer Student Center Faculty Fellow  
**2017** – Presenter, SAEM/AISS Symposium (*Invited*)  
**2017** – Head Judge, GeoDaze Student Symposium, University of Arizona Geosciences  
**2017** – Faculty Advisor, STEM Cats Community Outreach, Pima County Public Libraries  
**2016 – present** – Faculty Mentor, Department of Geosciences  
**2016 – present** – Contributor to Traveling Geologist outreach website  
**2016** – Co-convener/speaker, AGU Town Hall for Online Outreach, SFO Fall Meeting  
**2016** – Science Café, Saddlebrook Desert View Performing Arts Center, Tucson, AZ (*Invited Presentation*, January)  
**2016** – Presenter, Odyssey Storytelling at Flandrau Science Center (*Invited*)  
**2015 - 2019** – Department of Geosciences 100% Engagement representative  
**2015 - 2018** – College of Science for-credit 100% Engagement Proposal Review Committee  
**2015 - 2016** – University of Arizona 100% Engagement Proposal Review Committee  
**2015** – Science Café, Tucson Festival of Books Science City, Tucson, AZ (*Invited Presentation*, March)  
**2014 - 2017** – Huffington Post, Contributing Blogger  
**2012 - 2017** Associate Department Head, Department of Geoscience, University of Arizona  
**2011 - 2014** – Co-director, University of Arizona Teaching Teams Program  
**2011**– Keynote Speaker, Geosciences Saturday Science Academy (*Invited*)  
**2011** – Presenter/co-convener, Center for Astronomy Education Teaching Workshop, Hilo, Big Island, HI  
**2011** – Pearson Publishing “Essentials in Geology” textbook, development of online *Give It Some Thought* interactive questions for students  
**2010 – 2015** – College of Science Connections Education and Outreach Committee  
**2010 - 2011** – Chair, College of Science Connections Education and Outreach Service Learning Sub-committee  
**2010** – College of Science/TUSD committee on STEM education  
**2010** – Pearson Publishing “Essentials in Geology” textbook, development and writing of *Give It Some Thought* inquiry-based end-of-chapter questions for students  
**2009** – General Education for Honors Students committee, University of Arizona

**2008 - 2010** –Teaching Faculty Career Path committee  
**2008 - 2010** – Guest Lecture – "Sonora" – TRAD 104  
**2008 - 2009** – Pima Community College Geology Instructor search committee  
**2008 - 2009** – Earth Day Presenter, Pima Community College, NW Campus, Tucson, AZ  
**2008** – Mentor, Preceptor Teaching Workshop at University Teaching Center, University of Arizona  
**2007 – 2008** – McGraw Hill textbook "The Good Earth" Chapter Review Panel and Lecture development  
**2007** – NSF Geoscience Education Proposal Review Panel  
**2006 - present** – Faculty advisor/content development, Society of Earth Science Students Junior Education Area, Tucson Gem and Mineral Show, Tucson, AZ  
**2005 - present** – Faculty advisor, Society of Earth Science Students, Department of Geosciences, University of Arizona  
**2005 - present** – Department of Geosciences Undergraduate Policy Committee  
**2005 - present** – Department of Geosciences Outreach/Community Engagement Committee

#### **PUBLICATIONS (Peer reviewed)**

**Kapp, J.L.**, Slater, S.J., Slater, T.F., Lyons, D.J., Manhart, K., Wehunt, M., and Richardson, R.M. (2011). Gaining *A Geological Perspective* by implementing learner-centered teaching in the large lecture classroom. *Journal of College Teaching and Learning*, Vol.,8, No. 4.  
**Kapp, J.L.**, Harrison, T.M., Kapp, P., Grove, M., Lovera, O.M., and Ding, L. (2005). The Nyainqentanglha Shan: A window into the tectonic, thermal and geochemical evolution of the Lhasa block, southern Tibet. *Journal of Geophysical Research*, v. 110, B08413, doi:10.1029/2004JB003330.  
**Kapp, J.L.D.**, Miller, C.F., and Miller, J.S. (2002). Ireteba Pluton, Eldorado Mountains, Nevada: Late, Deep-Source, Peraluminous Magmatism in the Cordilleran Interior. *Journal of Geology*, v. 110, p. 649-669.  
 Townsend, K.T., Miller, C.F., **D'Andrea, J.L.**, Ayers, J.C., Harrison, T.M., and Coath, C.C. (2000). Low temperature replacement of monazite in the Ireteba granite, southern Nevada: Geochronological implications: *Chemical Geology*, 172: 95-112.  
 Harrison, T.M., Grove, M., Lovera, O.M., Catlos, E.J., and **D'Andrea, J.L.** (1999) The origin of Himalayan anatexis and inverted metamorphism: Models and constraints: *Journal of Asian Earth Sciences*, 17, 755-772.

#### **PUBLICATIONS (Not Peer-reviewed)**

Kraus, A., Lamb, D., Bennett, R, and **Kapp, J.**, 2017: Re/Framing Disability in Geoscience Curriculum. AWIS (Association for Women in Science) Magazine (Available at <http://magazine.awis.org/i/839380-summer-2017/38?m4=>)  
 Prather, E., and **Kapp, J.**, 2013: Centennial Hall: a lab for testing teaching strategies. Arizona Daily Star Science Insert.

#### **ABSTRACTS/PRESENTATIONS**

- Spencer, C.J., Schleiffarth, W.K., and **Kapp, J.L.**, (2016). Providing Direct-To-Consumer Outreach-The Traveling Geologist Case Study, AGU San Francisco Fall Meeting Town Hall.
- Kapp, J.L.**, (2016): Odyssey Storytelling “Natural” at Flandrau Science Center.
- Kapp, J.L.**, (2015): Lessons from the Tibetan Plateau, Presentation at Tucson Festival of Books Science City Science Café.
- Kapp, J.L.**, (2015): Geologic Time: It’s Real and it’s Deep, Presentation at Saddlebrook Performing Arts Center for College of Science Science Café Lecture Series.
- Kapp, J.L.**, Richardson, R.M., and Slater, S.J. (2008): Gaining a Geological Perspective Through Active Learning in the Large Lecture Classroom, *EOS Transactions*, 89(53), Abstract ED31A-0580.
- Slater, T.F., Slater, S.J., Lyons, D.L., Manhart, K., Wehunt, M., **Kapp, J.**, Richardson, R., (2008): Measuring the Impact of Active Learning in a Redesigned Large-enrollment Introductory Geoscience Survey Course, *EOS Transactions*, Abstract ED41B-03.
- Richardson, R.M., **Kapp, J.L.**, (2007): Using Mauna Loa Atmospheric CO<sub>2</sub> Data in Large General Education Geoscience Courses, *EOS Transactions*, Abstract ED51B-0425.
- Miller C.F., Barton, M., Miller, J.S., **Kapp, J.L.D.**, and Loflin, M. (2003). Peraluminous granites of the Cordilleran Interior, western USA: Hybrid magmas from deep, ancient crust. *Geological Society of America Abstracts with Programs*, v. 35, p. 18.
- Kapp, J.L.**, Harrison, T.M., Grove, M., Kapp, P., Ding, L., and Lovera, O.M. (2002). Structural Constraints on the Evolution of the Nyainqentanglha Massif, Southeastern Tibet. *Eos Transactions*, Abstract T51B-1144.
- Kapp, J.L.D.**, Harrison, T.M., and Grove, M. (2001). Evidence from the Nyainqentanglha Shan for a long-lived, lower crustal magmatic system in southern Tibet. *Eos Transactions*, Abstract T11E-0891.
- D'Andrea, J.L.**, Harrison, T.M., Grove, M., and Lin, D. (2000). The thermal evolution of the Nyainqentanglha Shan: evidence for a long-lived, lower crustal magmatic system in southern Tibet. *15<sup>th</sup> Annual Himalaya-Karakorum-Tibet workshop Abstracts volume*, Graz, Austria.
- D'Andrea, J.L.**, Harrison, T.M., Grove, M., Xinhua, Z. (1999). The Thermal and Physical State of the South Tibetan Middle Crust Between 20-8 Ma: U-Th-Pb and Nd Isotopic Evidence from the Nyainqentanglha Massif. *14th annual Himalaya-Karakorum-Tibet Workshop Abstracts volume*, Kloster-Ettal, Germany.
- D'Andrea, J.L.**, Harrison, T.M., and Grove, M. (1999). The Post-Collisional Thermal and Compositional Structure of the Gangdese Arc, Nyainqentanglha, Southern Tibet. *Eos Transactions*, 80(46), F991.
- D'Andrea, J.L.**, Miller, C.F., Miller, J.S. and Coath, C.D. (1999). Ireteba pluton, Eldorado Mountains, Nevada: Evidence for late, deep source, peraluminous magmatism in the Cordilleran Interior: *Geol. Soc. America, abst. with prog.* 31(6): A48.
- Townsend, K.J., Miller, C.F., Ayers, J.C., **D'Andrea, J.L.**, Harrison, T.M., and Coath, C.D. (1999). Paragenesis of monazite in the Ireteba granite: Zoning and geochronological evidence for multiple generations of fluid-induced replacement: *Eos Transactions*, 80(17), p. S356.

- Townsend, K.J., Miller, C.F., **D'Andrea, J.L.**, Ayers, J.C., Harrison, T.M., and Coath, C.D. (1998). Monazite replacement during modification of the Ireteba granite, southern Nevada: Geochronological implications: *Geol. Soc. America, abst. with prog.* 30(7): A214.
- D'Andrea, J.L.**, Miller, C.F., and Ayers, J.C. (1997). Peraluminous Plutonism in the Colorado River Extensional Corridor, Southern NV: An Unusual Cretaceous, not Miocene, Intrusive Episode. *GSA annual meeting abstracts*.
- Miller, C.F., **D'Andrea, J.L.**, Ayers, J.C., Coath, C.D., and Harrison, T.M. (1997). BSE imaging and ion probe geochronology of zircon and monazite from plutons of the Eldorado and Newberry Mountains, Nevada: Age, inheritance, and subsolidus modification: *Eos Transactions*, 78: F783.

### CONFERENCES/SCHOLARLY PRESENTATIONS

- 2018** - Tedx UofA, “Uncharted”, invited speaker, February 2018
- 2017**- Presenter, Transcending the Classroom: Using Storytelling to Enhance the Student Experience, SAEM/AISS Symposium, UA, **Invited**
- 2016**- Co-convenor/presenter, Providing Direct-To-Consumer Outreach-The Traveling Geologist Case Study, AGU San Francisco Fall Meeting Town Hall, **Invited**
- 2016**- Speaker, Saddlebrook Science Café, **Invited**
- 2015**- Speaker, Tucson Festival of Books Science City Science Café, **Invited**
- 2011**- Keynote Speaker, Geosciences Saturday Science Academy, **Invited**
- 2011**- Presenter/co-convenor, Center for Astronomy Education Teaching Workshop, **Invited**

### AWARDED GRANTS/CONTRACTS

- 6/1/2018-5/31/2021**- Co-PI, “Are Remnants of the Tibetan Plateau Preserved in the South Himalayan Thrust Belt?”, NSF, \$521,971. Effort: 2%.
- 10/1/10-10/31/14**- Content Advisor, “Exploring the Sky Islands: Basin & Range in Desert Southwest”, NSF, \$149,048, Effort: 6.4%.
- 07/2007-07/2009** Project Team Leader/Primary Contact, Arizona Board of Regents Learner-Centered Education Course Redesign Initiative, “Gaining A Geological Perspective Through Active Learning in the Large Lecture Classroom”, \$50,331. Effort: 4%.

### LIST OF COLLABORATORS AND THEIR ORGANIZATIONAL AFFILIATIONS

Peter DeCelles (University of Arizona); Lisa Elfring (University of Arizona); Noah Fay (PCC); Erin Galyen (University of Arizona); Rob Groves (University of Arizona); Joela Jacobs (University of Arizona); Steve Kortenkamp (University of Arizona); Amanda Kraus (University of Arizona Disability Resource Center); Guada Lozano (University of Arizona); Aimee Mapes (University of Arizona); Elaine Marchello (University of Arizona); Patricia McClain (Tucson Gem and Mineral Society); Susan Miller-Cochran (University of Arizona); Pranabendu Moitra (University of Arizona); Brian Moon (University of Arizona); William Newman (University of Arizona); Matt Ostermeyer (University of Arizona); Tony Paniagua (AZPM/PBS Tucson Affiliates); John Pollard

(University of Arizona); Edward Prather (University of Arizona Center for Astronomy Education); Christopher Spencer (Curtin University, TravelingGeologist and Geology Podcast Network); Jonny Wu (University of Arizona)