

Daniel J. Bergman

Curriculum Vitae

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Education

- Ph.D. Curriculum & Instruction, Science Education concentration May 2007
Iowa State University; Dr. Michael Clough, Major Professor
Dissertation: *The effects of two secondary science teacher education program structures on teachers' habits of mind and action*
- M.A. Education Administration, School Principalship (7-12) August 2004
University of Nebraska-Kearney; Dr. James Ossian, Advisor
- M.A. Curriculum & Instruction, Science Education concentration August 2002
University of Nebraska-Lincoln; Dr. Ron Bonnsetter, Advisor
- B.S. Secondary Science Education May 1999
University of Nebraska-Lincoln; Graduated with High Distinction
Endorsements in Physical Science and Chemistry

Previous Certification

Nebraska Professional Teaching Certificate
Iowa Standard Teaching License
Areas of Endorsement: Physical Science (7-12); Chemistry (7-12)

Nebraska Standard Administrative and Supervisory Certificate: 7-12 All Schools

Grants (Funded)

McDowell, K., Bergman, D.J., & Haines, B. (2017). *Para to Teacher Pathway*. Kansas Board of Regents, Title II Improving Teacher Quality (ITQ). Funded at \$114,761.

Bergman, D.J. (2010). *Family and parent involvement—Curriculum enhancement initiative*. The Kansas Parent Information Resource Center (KPIRC). Funded at \$3,000.

Bergman, D.J. (2009). *Family and parent involvement—Curriculum enhancement initiative*. The Kansas Parent Information Resource Center (KPIRC). Funded at \$3,500.

Bergman, D.J. (2007). *Comparing the effects of audio- and video-recording on pre-service teachers' self-evaluations*. University Research/Creative Projects Award (URCA). Wichita State University. Funded at \$4,486.

Bergman, D.J., & Huls, T. (2003). *Crash! National Highway Administration safety and science*

curriculum. Aurora (NE) School District. Funded at \$5,000.

Bergman, D.J. (2000). *Computer-based laboratory interfaces and software for enhanced science instruction*. Aurora (NE) School District. Funded at \$5,000.

Teaching and Research Experience

Associate Professor, Wichita State University August 2013 – Present

Assistant Professor, Wichita State University August 2007 – July 2013

Curriculum & Instruction/School of Education - Science Education

Chair, Middle/Secondary Science Program

Interim Department Head, July 2018 – July 2019

Researched effective science instruction, teacher behaviors, teacher preparation

Submitted grant proposals and participated in ongoing funded research projects

Taught senior- and graduate-level courses in general teaching methods, secondary science teaching methods, science/technology/society, and history/philosophy/ethics of education

Supervised pre-service and in-service secondary teachers

Advised undergraduate, graduate, and incoming transfer students

Developed program requirements for KSDE/NCATE/CAEP accreditation

Presented at regional and international education conferences

Submitted research and education articles for publishing in professional journals

Served on multiple college and department committees (faculty senate, position searches, community outreach, programs, rules, data input/reports)

Research and Teaching Graduate Assistant, Iowa State University August 2004 – May 2007

Curriculum & Instruction - Science Education (Ph.D.)

Researched effective science instruction, teacher behaviors, nature of science

Taught senior-level science methods courses for elementary majors (7 sem)

Taught senior- and graduate-level science methods courses for secondary majors (2 sem)

Supervised secondary science student teachers (undergraduate and graduate)

Analyzed participant statistics from science education research and outreach programs

Advised Masters of Arts in Teaching graduate certification students

Presented at regional and national science educator conferences

Coordinated student visits and activities with NASA researchers on campus

Created, edited, and produced DVD for use by area science curriculum consultants with ELL science students

Secondary Science Teacher, Aurora High School, Aurora, NE August 1999 – May 2004

High School Chemistry, AP Chemistry, Physics, Biology

Developed and implemented instruction in science units

Received district-wide grant to implement computer-based laboratory curriculum

Coordinated student service learning project at Edgerton Science Museum

Member of Technology, Student Assistance, School Improvement Steering Committees

Sponsored Future Problem Solving Program (2002-2004 State Champion Teams)

Directed High School Drama Productions – Musical, One-Act Play, Spring Play

Publications (peer-reviewed)

- Bergman, D.J. (2018). Prospective teachers' perceptions of influential teacher qualities. *The Advocate*, 23(6). Available at <https://newprairiepress.org/advocate/vol23/iss6/6/>.
- Bergman, D.J. (2018). "I think you mean . . ." Potential perils of teacher paraphrasing and alternative responses for student engagement. *The Clearing House*. Available at <https://www.tandfonline.com/doi/full/10.1080/00098655.2018.1500261>.
- Bergman, D.J. (2018). Pre-service teachers' pliable perceptions of ethical practices in student evaluation. *Issues in Teacher Education*, 27(2), 5-23.
- Bergman, D.J. (2017). If the shoe fits, SORT it: Modifying a "well-worn" activity to explore matter classification. *Science and Children*, 54(8), 45-51.
- Bergman, D.J. (2017). Content analysis of science teacher representations in Google Images. *Contemporary Issues in Technology & Teacher Education*, 17(1). Available at <http://www.citejournal.org/volume-17/issue-1-17/science/content-analysis-of-science-teacher-representations-in-google-images/>.
- Bergman, D.J. (2016). Puzzle boxes for 3D learning about natural hazards. *Science Scope*, 40(2), 40-47.
- Bergman, D.J. (2015). Comparing the effects of classroom audio-recording and video-recording on pre-service teachers' reflection of practice. *The Teacher Educator*, 50(2), 127-144. Available at <http://www.tandfonline.com/doi/full/10.1080/08878730.2015.1010054>.
- Bergman, D.J., & Morpew, J.W. (2015). Effects of a science content course on elementary pre-service teachers' self-efficacy of teaching science. *Journal of College Science Teaching*, 44(3), 73-81.
- Bergman, D.J. (2014). Criminals, scientists, and persistent myths for teaching science. *Transactions of the Kansas Academy of Science*, 117(3-4), 203-219.
- Bergman, D.J., & Morpew, J.W. (2014). Comparing classroom interactive behaviors of science and non-science pre-service teachers. *Journal of Classroom Interaction*, 49(2), 4-10.
- Flores, R., Krutka, D.G., Mason, K., & Bergman, D.J. (2014). From evaluation to collaborative reflection: Teacher candidate perceptions of a digital learner-centered classroom observation form. *Journal of Technology and Teacher Education*, 22(4), 401-421.
- Krutka, D.G., Bergman, D.J., Flores, R., Mason, K., & Jack, A.R. (2014). Microblogging about teaching: Nurturing participatory cultures through collaborative online reflection with pre-service teachers. *Teaching and Teacher Education*, 40(1), 83-93.
- Bergman, D.J. (2013). Comparing the effects of suburban and urban field placements on

- teacher candidates' experiences and perceptions of family engagement in middle and high schools. *The School Community Journal*, 23(2), 87-112.
- Bergman, D.J. (2013). Blending language learning with science. *The Science Teacher*, 80(4), 46-50.
- Bergman, D.J. (2013). Pre-service teachers' perceptions about ethical practices in student evaluation. *Issues in Teacher Education*, 22(1), 29-48.
- Yanez, J., Journell, H., & Bergman, D.J. (2012). World population and limited resources: How much have you "bean" eating? *Science and Children*, 50(1), 32-37.
- Bergman, D.J. (2011). Showtime science: Effective use of movies, TV, music, and more to teach force, motion, and machines. *Science Scope*, 35(4), 40-44.
- Bergman, D.J. (2011). Synergistic strategies: Science for ELL is science for ALL. *Science Scope*, 35(3), 40-44.
- Bergman, D.J., & Olson, J.K. (2011). Got inquiry? *Science and Children*, 48(7), 44-48.
- Bergman, D.J. (2010). Vectors on the basketball court. *The Science Teacher*, 77(3), 66-68.
- Bergman, D.J. (2010). Why do we have to do this? Teaching beyond content. *The Clearing House*, 83(4), 129-132.
- Bergman, D.J. (2010). Synergistic teaching of science to English language learners: Common components of model ELL and science instruction. *Research in Science Education—Teaching science with Hispanic ELLs in k-16 classrooms*, 101-133.
- Bergman, D.J. (2010). Two GREEN thumbs up! Teaching environmental science with Hollywood movies. *The Science Teacher—Themed Issue: Going Green: Science Teaching and the Environment*, 77(2), 57-60.
- Bergman, D.J. (2008). Bug talk: A learning module on insect communication. *Science Activities*, 45(2), 29-34.
- Bergman, D.J. (2005). A penny saved is a penny learned. *Iowa Science Teachers Journal*, 32(3), 16-22.
- Bergman, D.J. (2004). Share the science! Service learning projects. *The Science Teacher*, 71(5), 38-39.
- Dietrich, M., Bender, C.F., Bergman, D.J., Bills, T.E., Bochkarev, N.G., Burenkov, A., Gaskell, C.M., Gutzmer, D.D., Grove, R., Hiller, M.E., Huchra, J.P., Klimek, E.S., Lund, C., Merkulova, N., Pebley, S., Poulsen, M.A., Pronik, V.I., Sergeev, S.G., Sergeeva, Shapovalova, A.I., Vlasyuk, V.V., & Wilkes, B. (2001). A spectroscopic and photometric study of short-timescale variability in NGC 5548. *Astronomy & Astrophysics*, 371, 79-92.

Publications (editor-reviewed)

- Bergman, D.J. (accepted). Secret invasions, lost technology, and 21st Century Learning Skills: How Black Panther saved Wakanda using the “Four Cs.” In J. Darowski (Ed.), *The Ages of the Black Panther*.
- Bergman, D.J. (in press). Impulsive students, speedster teachers, and education in the 1990s. In J. Darowski (Ed.), *The Ages of the Flash*. Jefferson, NC: McFarland & Co., Inc.
- Bergman, D.J. (2016). Meaningful discussions in class discussion boards. *Instructional Design & Technology Blog*. Wichita State University. Available at <https://ida.wichita.edu/meaningful-discussions-in-class-discussion-boards/>.
- Bergman, D.J. (2015). How do you get better? *The KATS News: Kansas Association of Teachers of Science*, 46(1), 4.
- Bergman, D.J. (2015). More myth busting in science education: Are you a tough scientist? *The KATS News: Kansas Association of Teachers of Science*, 46(1), 10-12.
- Bergman, D.J. (2015). Kansas Association of Teachers of Science position statement on the Next Generation Science Standards. *The Wichita Eagle*. Available at <http://www.kansas.com/opinion/letters-to-the-editor/article12316025.html>.
- Bergman, D.J. (2014). Get connected. *The KATS News: Kansas Association of Teachers of Science*, 45(4), 4.
- Bergman, D.J. (2014). Science teaching myths: Are your students more logical and ready for the next level? *The KATS News: Kansas Association of Teachers of Science*, 45(4), 19-22.
- Pokorski, E., Needham, A., & Bergman, D.J. (2014). Examining experimental design with Pop Rocks and MythBusters. *The KATS News: Kansas Association of Teachers of Science*, 45(4), 6-10.
- Bergman, D.J. (2014). Changes to STEM teacher preparation requirements in Kansas. *Association for Science Teacher Education Newsletter*, 48(3), 20-22.
- Bergman, D.J. (2014). We *still* graduate more criminals than scientists: Reflecting on reasons for teaching and impact on students. *The KATS News: Kansas Association of Teachers of Science*, 45(3), 9-12.
- Bergman, D.J. (2014). You are a superhero. *The KATS News: Kansas Association of Teachers of Science*, 45(3), 3.
- Bergman, D.J. (2014). Teacher-licensure change not in best interest of children, state. *The Wichita Eagle*. Available at <http://www.kansas.com/2014/04/24/3419842/daniel-bergman-teacher-licensure.html>.
- Bergman, D.J. (2013). Timeless teaching for EVERY generation. *The KATS News: Kansas Association of Teachers of Science*, 46(3), 10.

- Flores, R., Krutka, D.G., Mason, K., & Bergman, D.J. (2013). "More like a conversation": Cultivating reflective dialogue with a student-centered classroom observation form. *PDS Partners*, 9(2), 15.
- Bergman, D.J. (2013). What do you look like? Reflecting on "science teacher" depictions found in Google Images. *The KATS News: Kansas Association of Teachers of Science*, 46(2), 4.
- Bergman, D.J. (2010). Cinema science—2010 edition. *The KATS News: Kansas Association of Teachers of Science*, 43(4), 14-15.
- Bergman, D.J. (2010). Quality responses. *New Teacher Advocate*, 18(1), 13.
- Bergman, D.J., & Bergman, C.C. (2009). Elements of stylish teaching: Lessons from Strunk and White's compositional classic. *Phi Delta Kappan*, 91(4), 28-31.
Awarded one of twelve "Must-Read" articles for 2009-2010 by Kappan editorial staff.
- Bergman, D.J. (2009). Non-verbal teaching behaviors: Actions speak louder than words. *Shocker Ed News: Wichita State University Department of Curriculum and Instruction*, 2(3), 2.
- Bergman, D.J. (2009). Showtime science: KATS KAMP highlights and summer preview. *The KATS News: Kansas Association of Teachers of Science*, 42(3), 17-18.
- Bergman, D.J. (2009). Quality questions. *New Teacher Advocate*, 16(4), 4-5.
- Bergman, D.J. (2008). Effective teacher questioning skills. *Shocker Ed News: Wichita State University Department of Curriculum and Instruction*, 2(1), 2.
- Bergman, D.J. (2008). Responding to your students. *Shocker Ed News: Wichita State University Department of Curriculum and Instruction*, 2(2), 2.
- Bergman, D.J. (2008). What is YOUR role? Essential behaviors of effective science teaching. *The KATS News: Kansas Association of Teachers of Science*, 41(2), 22-29.
- Bergman, D.J. (2008). What are we doing today? A guide to planning effective science lessons. *The KATS News: Kansas Association of Teachers of Science*, 40(2), 14-19.
- Bergman, D.J. (2008). Why do we have to learn this? Teaching goals beyond science content. *The KATS News: Kansas Association of Teachers of Science*, 39(2), 26-28.

Presentations

Bergman, D.J. (2018). *Revisiting the “Marvel”-ous nature of science*. Presentation at the Kansas Association of Teachers of Science Regional Fall Conference. Wichita, KS: November 10.

Bergman, D.J. (2018). *The “Marvel”-ous nature of science*. Presentation at the Wichita Public Schools Science Professional Development. Wichita, KS: October 22.

Bergman, D.J. (2018). *Helping teachers share the “Marvel”-ous nature of science*. Presentation at the Annual Conference of the Southwest Association for Science Teacher Education. Norman, OK: Oct. 12-13.

Bergman, D.J. (2018). *The “Marvel”-ous nature of science*. Presentation at the Wichita Public Schools Science Professional Development. Wichita, KS: August 8.

Bergman, D.J. (2018). *The “Marvel”-ous nature of science*. Presentation at the Annual Meeting of the Kansas Association of Teachers of Science. Rock Springs, KS: April 20-22.

Bergman, D.J. (2018). *Never science alone: Where are we going?* Keynote “ignite” presentation at the Annual Meeting of the Kansas Association of Teachers of Science. Rock Springs, KS: April 20-22.

Bergman, D.J. (2017). *“Google-A-Science-Teacher-Teaching” for preservice teacher research and reflection*. Paper presented at the Annual Conference of the Southwest Association for Science Teacher Education. Waco, TX: Sept. 29-30.

Bergman, D.J. (2017). *How to be a science teacher of influence*. Presentation at the Annual Meeting of the Kansas Association of Teachers of Science. Rock Springs, KS: April 21-23.

Bergman, D.J. (2017). *What makes an influential teacher? Preservice perceptions and implications for science teacher education*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Des Moines, IA: January 12-14.

Bergman, D.J. (2016). *Sorting shoes to teach classification*. Presentation at the Annual Meeting of the Kansas Association of Teachers of Science. Rock Springs, KS: April 14-16.

Bergman, D.J. (2016). *Authenticity in online and face-to-face discussions*. Wichita State University Instructional Design & Access. Unknown Issues Podcast. Available at <https://ida.wichita.edu/unknown-issues-podcast-episode-19-dr-danny-bergman/>.

Bakken, L., Bergman, D.J., Mitchell, L., & Seguire, D. (2015). Classroom management in the

- college classroom. Panel discussion for the Academy of Effective Teaching. Wichita, KS: November 12.
- Bergman, D.J. (2015). *Teaching with 3D puzzle boxes to integrate NGSS's three dimensions*. Presentation at the 2015 Area Conference of the National Science Teachers Association. Kansas City, KS: December 3-5.
- Bergman, D.J. (2015). *Changing perceptions: Why do we teach STEM?* Plenary presentation at the Kansas Excellence in Math and Science Teaching Conference. Hutchinson, KS: June 22-24.
- Bergman, D.J. (2015). *Building blocks for teaching science skills and abstract concepts*. Presentation at the Annual Meeting of the Kansas Association of Teachers of Science. Rock Springs, KS: April 9-11.
- Bergman, D.J. (2015). *A pilot study examining preservice science teachers' perceptions with "Google-A-Science-Teacher."* Paper presented for the International Meeting of the Association for Science Teacher Education. Portland, OR: January 7-10.
- Bergman, D.J. (2014). *Example science activity and standards review*. Presentation at the Fall Mini-Conference of the Kansas Association of Teachers of Science. Wichita, KS: October 11.
- Bergman, D.J. (2014). *Using "Google-A-Science-Teacher" to investigate preservice teacher perceptions*. Paper presented at the Annual Conference of the Southwest Association for Science Teacher Education. Emporia, KS: October 4.
- Bergman, D.J. (2014). *Chromatography, criminals, scientists, and myths about teaching science*. Presentation at the Annual Meeting of the Kansas Association of Teachers of Science. Rock Springs, KS: April 10-12.
- Bergman, D.J. (2014). *An introduction to the new science standards for parents and community members*. Presentation at the Information Meeting for Understanding the New Standards. Wichita, KS: January 6.
- Bergman, D.J. (2014). *Examining persistent myths for teaching science*. Paper presentation at the International Meeting of the Association for Science Teacher Education. San Antonio, TX: January 15-18.
- Bergman, D.J. (2013). *Science specific teaching strategies and classroom issues*. Workshop conducted for WSU Transition to Teaching science candidates. Wichita, KS: October 5.
- Bergman, D.J. (2013). *Comparing classroom interactive behaviors of STEM pre-service teachers*. Presentation at the Science and Mathematics Teacher Imperative National Conference. St. Louis, MO: June 5-7.
- Bergman, D.J. (2013). *Representations of science teachers in Google Images and implications for recruitment, education, and reflection*. Presentation at the Science and Mathematics Teacher Imperative National Conference. St. Louis, MO: June 5-7.

- Bergman, D.J. (2013). *Do you look like THIS? Examining science teachers depicted in Google Images*. Presentation at the Annual Meeting of the Kansas Association of Teachers of Science. Rock Springs, KS: April 19-21.
- Bergman, D.J. (2013). *Go further: Interactions to engage and assess students in meaningful learning*. Invited workshop for Maize elective teachers. Maize, KS: January 14.
- Bergman, D.J. (2013). *The portrayal of science teachers found in Google Images and implications for science teacher education*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Charleston, SC: January 9-12.
- Bergman, D.J., & Morphew, J.W. (2013). *Comparing the effects of science content courses and instructors on elementary pre-service teachers' self-efficacy of teaching science*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Charleston, SC: January 9-12.
- Clough, M.P., Olson, J.K., Ihrig, L.M., Wilcox, J., Bergman, D.J., & Herman, B.C. (2013). *Structure and efficacy of the ISU Secondary Science Teacher Education Program*. Paper presented at the STEM Teacher Educators' Conference. Des Moines, IA: September 20.
- Flores, R., Krutka, D., Mason, K., Bergman, D.J., Peer, S., & Carroll, J. (2013). *Going paperless: The possibilities and challenges of utilizing 21st century tools for teacher candidate observations*. Paper presentation at the Professional Development Schools National Conference. New Orleans, LA: February 14-17.
- Flores, R., Mason, K., Krutka, D., Bergman, D.J., Peer, S., & Carroll, J. (2013). *Promoting reflective and purposeful lesson planning: The pilot of a new observation protocol for teacher candidates*. Paper presentation at the Professional Development Schools National Conference. New Orleans, LA: February 14-17.
- Bergman, D.J. (2012). *Teacher questioning, responding, and interactive behaviors*. Invited workshop conducted for Maize South Middle School teaching faculty. Maize, KS: August 9.
- Bergman, D.J. (2012). *Science specific teaching strategies and classroom issues*. Workshop conducted for WSU Transition to Teaching science candidates. Wichita, KS: April 28.
- Bergman, D.J. (2012). *Teach with synergy: ELL and the Next Generation Science Standards*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 20-22.
- Bergman, D.J., Olson, J.K., & Clough I.W. (2012). *Darwin, X-Men, or Pokémon? Examining popular media's influence on understanding evolution*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 20-22.
- Snodgrass, A., Mason, K., & Bergman, D.J. (2012). *Observation and feedback: Data driven*

- conversations*. Panel presentation at the WSU Academy #2: Role of PDS in Raising Student Achievement. Wichita, KS: March 26.
- Bergman, D.J. (2012). *Effects of a science content course on elementary pre-service teachers' attitudes and understandings of teaching science*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Clearwater, FL: January 4-7.
- Bergman, D.J., & Morphey, J.W. (2012). *Comparing the classroom interactive behaviors of science and non-science pre-service teachers*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Clearwater, FL: January 4-7.
- Bergman, D.J. (2011). *Comparing and contrasting the urban PDS experience at elementary, middle, and high schools*. Paper presentation at the Professional Development Schools National Conference. New Orleans, LA: March 10-13.
- Bergman, D.J. (2011). *Family engagement in suburban and urban schools: Secondary pre-service and in-service teachers' experiences and perceptions*. Paper presentation at the Professional Development Schools National Conference. New Orleans, LA: March 10-13.
- Bergman, D.J. (2011). *What is YOUR role? Essential teacher behaviors for successful science lessons*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 15-17.
- Bergman, D.J. (2011). *Why do we have to learn this? Teaching goals beyond science content*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 15-17.
- Bergman, D.J. (2011). Award Presentation: *Synergistic teaching of science to English language learners: Comparative analysis of the STRATEGIES*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Minneapolis: January 19-22.
- Bergman, D.J. (2010). *It's showtime! Using movies and related media to promote engaged student learning in science—2010 edition*. Presentation at the Regional Conference of the National Science Teachers Association. Kansas City, MO: October 28-30.
- Bergman, D.J., & Yoakum, R. (2010). *Food for thought: Teaching science and inquiry with food-related activities*. Presentation at the Regional Conference of the National Science Teachers Association. Kansas City, MO: October 28-30. (I)
- Bergman, D.J. (2010). *TWO BIRDS . . . Synergistic teaching of science to English language learners*. Presentation at the Regional Conference of the National Science Teachers Association. Kansas City, MO: October 28-30.
- Bergman, D.J. (2010). *What is YOUR role? Essential teacher behaviors for successful lessons*. Presentation at the Kansas Association of Teachers of Mathematics Conference. Wichita, KS: October 15.

- Bergman, D.J. (2010). *Why do we have to learn this? Teaching goals beyond content.* Presentation at the Kansas Association of Teachers of Mathematics Conference. Wichita, KS: October 15.
- Bergman, D.J. (2010). *Pre-service and in-service teachers' experiences and perceptions of parental involvement in schools.* Paper presentation at the Professional Development Schools National Conference. Orlando, FL: March 11-14.
- Bergman, D.J. (2010). *What do they see and hear? A mixed methods analysis comparing the effects of classroom audio- and video-recording on pre-service teachers' self-evaluations (Year 2).* Paper presentation at the Professional Development Schools National Conference. Orlando, FL: March 11-14.
- Bergman, D.J. (2010). *Synergistic teaching of science to English language learners: Comparative analysis of the STANDARDS.* Paper presentation at the International Meeting of the Association for Science Teacher Education. Sacramento, CA: January 14-16.
- Bergman, D.J. (2010). *Synergistic teaching of science to English language learners: Comparative analysis of the STRATEGIES.* Paper presentation at the International Meeting of the Association for Science Teacher Education. Sacramento, CA: January 14-16.
- Awarded ASTE Award V: Implications of Research for Educational Practice**
- Lazarin, A.G., Bergman, D.J., & Toro-Ramos, Z. (2010). *Programs to increase K-12 interest in STEM careers.* Paper presentation at the National Conference of the National Association of Multicultural Engineering Program Advocates/Women in Engineering ProActive Network. Baltimore, MD: April 12-14.
- Bergman, D.J., Clough, M.P. & Olson, J.K. (2009). *Structure and efficacy of the Iowa State University Secondary Science Teacher Education Program.* Iowa Science and Mathematics Teacher Educators Summit. Des Moines, IA, August 14.
- Bergman, D.J., Herald, C., Seimears, C.M. (2009). *Get published: How to write, submit, and share your science education ideas.* Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 23-26.
- Bergman, D.J. (2009). *Two GREEN thumbs up! Teaching environmental issues with movies.* Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 23-26.
- Bergman, D.J. (2009). *Comparing the effects of classroom audio- and video-taping on pre-service teachers' self-evaluations.* Paper presentation at the Professional Development Schools National Conference. Daytona, FL: March 12-15.
- Bergman, D.J., & Schneegurt, M.A. (2009). *You scratch my back . . . Teachers' and*

- researchers' perceived benefits and challenges in a university/high school science partnership.* Paper presentation at the International Meeting of the Association for Science Teacher Education. Hartford, CT: January 8-10.
- Bergman, D.J. (2008). *It's showtime! Using music, movies, and media to promote engaged student learning in math and science.* Presentation at the Science and Mathematics—Assessment, Research, and Technology Together Conference. Overland Park, KS: November 6-8.
- Bergman, D.J., Clough, M.P., Kruse, J.W., & Olson, J.K. (2008). *Eating their young: Beginning teachers and fierce institutional constraints.* Paper presentation at the Annual Conference of the Academy for Educational Studies. Branson, MO: October 20-21.
- Bergman, D.J. (2008). *Environmental education at the movies.* Presentation at the 37th Annual Conference of the North American Association for Environmental Education. Wichita, KS: October 15-18.
- Bergman, D.J. (2008). *It's showtime! Using music, movies, and media to promote engaged student learning.* Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 25-28.
- Bergman, D.J. (2008). *What went wrong? Assessing activities and instruction.* Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 25-28.
- Clough, M.P., Bergman, D.J., Kruse, J.W., Olson, J.K., Berg, C.A. (2008). *Eating their young: Beginning teachers and fierce institutional constraints.* Paper presented at the International Meeting of the Association for Science Teacher Education. St. Louis, MO: January 10-13.
- Bergman, D.J. (2008). *The effects of two secondary science teacher education program structures on teachers' habits of mind and action.* Paper presented at the International Meeting of the Association for Science Teacher Education. St. Louis, MO: January 10-13.
- Bergman, D.J. (2007). *The effects of two secondary science teacher education program structures on teachers' habits of mind and action.* Paper presented at the Southwest Regional Meeting of the Association for Science Teacher Education. Forth Worth, TX: October 12-14.
- Bergman, D.J. (2007). *What went wrong? Assessing activities and instruction.* Presentation at the National Conference of the National Science Teachers Association. St. Louis, MO: March 29-April 1.
- Bergman, D.J. (2007). *A self-audit of science teacher education.* Paper presented at the International Meeting of the Association for Science Teacher Education. Clearwater, FL: January 4-6.
- Bergman, D.J. (2006). *It's showtime! Using music, movies, and media to promote engaged*

- student learning*. Presentation at the Annual Meeting of the Iowa Science Teachers Section (ISTS) of the Iowa Academy of Science. Cedar Rapids, IA: October 18.
- Olson, J.K., Bergman, D.J., & Clough, I.W. (2006). *The Pokémon (r)evolution: Look who's coming to biology*. Paper presented at the Regional Conference of the National Science Teachers Association. Omaha, NE: October 19-21.
- Olson, J.K., Bergman, D.J., & Clough, I.W. (2006). *The Pokémon (r)evolution: Look who's coming to biology*. Paper presented at the Annual Meeting of the North Central Region of the Association for Science Teacher Education. Eau Claire, WI: October 5-7.
- Clough, M.P., Olson, J.K., Bruxvoort, C., Vanderlinden, D., & Bergman, D.J. (2006). *Historical narratives and students' understandings of science content and nature of science (NOS)*. Poster presented at the Annual Meeting of the North Central Region of the Association for Science Teacher Education. Eau Claire, WI: October 5-7.
- Bergman, D.J. (2006). *It's showtime! Using music, movies, and media to promote engaged student learning*. Presentation at the National Conference of the National Science Teachers Association. Anaheim, CA: April 6-9.
- Bergman, D.J. (2006). *Sea of change: The student teacher's transition from student to teacher*. Paper presented at the International Meeting of the Association for Science Teacher Education. Portland, OR: January 12-14.
- Olson, J.K., & Bergman, D.J. (2006). *Student teachers' growth using paired student teaching and lesson study*. Paper presented at the International Meeting of the Association for Science Teacher Education. Portland, OR: January 12-14.
- Bergman, D.J. (2005). *A penny saved is a penny learned*. Presentation at the Annual Meeting of the Iowa Science Teachers Section (ISTS) of the Iowa Academy of Science. Des Moines, IA: October 20.
- Bergman, D.J. (2005). *Sea of change: The student teacher's transition from student to teacher*. Paper presented at the Annual Meeting of the North Central Region of the Association for Science Teacher Education. Cedar Falls, IA: October 6-8.
- Bergman, D.J. (2004). *Food for thought: A way to students' minds is through their stomachs*. Presentation at the Regional Conference of the National Science Teachers Association. Indianapolis, IN: November 3-6.
- Bergman, D.J. (2004). *Secondary science teacher baseline*. Poster presented at the Iowa State University Curriculum & Instruction Graduate Student Poster Fair. Ames, IA: October 1.
- Bergman, D.J. (2004). *Using computer-based laboratory activities in the science classroom*. Presentation at the Annual Meeting of the Nebraska Educational Technology Association. Omaha, NE: April 29.

Honors, Awards, Distinctions

WSU College of Education Online Grant Award (2015)
WSU College of Education Teaching Award (2014)
WSU Technology Integration Award – On-Line Foundations Course (2011)
WSU Research Award – Elementary Science Content Course (2011)
ASTE Award V: Implications of Research for Educational Practice (2010)
“Must-Read” *Kappan* Article for 2009-2010, “Elements of stylish teaching”
Nominee for WSU Academy for Effective Teaching Award (2009)
Margaret & Barton Morgan Scholarships (ISU Curriculum & Instruction) (2005-2007)
ISU Graduate College PACE (Premium for Academic Excellence) Award (2004-2005)
Who’s Who Among American Teachers (2002, 2003)
Nominee for RadioShack’s National Science Teacher Award (2003)
Golden Key National Honor Society (1996-1999)
Pi Lambda Theta National Honor and Professional Association in Education
Voted “Outstanding Rank Leader” in Cornhusker Marching Band (1998-1999)
Member of 1996 Sudler Trophy-winning Cornhusker Marching Band

Service

Profession:

Reviewer for *The Science Teacher*, *Teachers College Record*, *Journal of Teacher Education*, *Journal of Science Teacher Education*, *Teacher Educator*, *Basic and Applied Psychology*, *Visual Data and Their Use in Science Education*, *Iowa Science Teachers Journal*
Past-President, Kansas Association of Teachers of Science (2015-2016)
President, Kansas Association of Teachers of Science (2014-2015)
President-Elect, Kansas Association of Teachers of Science (2013-2014)
Vice President, KATS (2012-2013)
Region IV College Representative, KATS (2007-2012)
Social Media/Communications Chair, KATS (2008-Present)
Professional Development Committee Member, ASTE (2007-2010)
WSU Representative, Urban Teacher Preparation Program/Teacher Quality Partnership (2008-Present)
Proposal Reviewer and Session Presider, International ASTE Meetings (2007-Present)
Evaluator, WSU Graduate Research and Scholarly Projects Symposium (2009)
Fall Conference Program Coordinator, Iowa Science Teachers Section (2006)
Science Consultant and DVD Producer, Enhancing ELL Science Institute (2005)

Community Involvement:

Kansas Junior Academy of Science State Meeting Judge (2009)
Big Brother for At-Risk Youth, BBBS of Sedgwick County, Kansas (2008-Present)
Volunteer for Southern Care Hospice (2007-Present)
Trumpet player for churches and community senior centers (1999-Present)
Volunteer for Lincoln YWCA’s Take a Break Program (1998)
Tutor for At-Risk Students, Lincoln Action Program (1998)

Professional Memberships

Kappa Delta Pi International Honor Society in Education
Association for Science Teacher Education
National Science Teachers Association
National Association of Research in Science Teaching
Kansas Association of Teachers of Science
American Association of Physics Teachers
American Chemical Society
Science & Mathematics Teacher Imperative (SMTI) of Association of Public and Land-Grant Universities
National Association of Professional Development Schools
Phi Delta Kappa
National Education Association
Aurora (NE) Education Association

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