

Michael P. Mueller, PhD
Assistant Professor
Non-Tenured, Graduate Faculty
Mathematics and Science Education
University of Georgia
212 Aderhold Hall
Athens, GA 30602

1. Academic History

PhD, University of Tennessee, Science Education and Cultural Studies—Philosophy of Education: “A Philosophical Analysis of Chet Bowers’ Ethical Theory of EcoJustice: Shifting Towards Uncertainty Thinking in Science Education” (Prof. Barbara J. Thayer-Bacon, Chair), 2007

Academic Positions:

Assistant Professor, Roane State Community College, 2004-2007

Geology, Earth and Space Sciences Teacher, Westview High School, 2002-2004

Post-graduate awards:

President, Southeastern Association for Science Teacher Education (SASTE), 2011

Outstanding Faculty Position Paper, Southeastern Association for Science Teacher Education, 2009

2. Resident Instruction

Courses of instruction:

ESCI 3450 Practicum in Science Education

ESCI 6100/4100 Laboratory Teaching Internship

ESCI 6200 Science, Technology and Society

ESCI 6450/4450 Science Curriculum and Instruction

ESCI 6460/4460 Methods of Science Teaching

ESCI 7460/5460 Internship in Science Teaching

ESCI 7470/5470 Reflection on Science Teaching

ESCI 7480/5480 Philosophy and Leadership in Science Classroom Practice

ESCI 7000/7650/7300 Master’s Research, Project, and Thesis

ESCI 7040 Teaching Strategies for Middle and Secondary School Science Teachers

ESCI 7080 Curriculum Planning in Science Education

ESCI/EFND 8310 Inquiry into EcoJustice Issues

ESCI 8990 Research Seminar in Science Education

ESCI 9000 Selected Readings in Science Education

ESCI 9000 Philosophical Logic in Science Education

ESCI 9600 Educational Research in Science Education

Courses developed:

ESCI/EFND 8310 Inquiry into EcoJustice Issues

Academic advising:

Catherine Lindsay Linsky, PhD

Rachel Luther, PhD

Debra Mitchell, MA, PhD

Jennifer Johnson, MAT

Courtney Boehlke, MAT

Benjamin Eldridge, MAT

Anthony Hall, MAT

Sarah Hilger, MAT

Stephanie Hunczak, MAT

Bain Jones, MAT

Ike Manning Kent, MAT

Sara Raven, MEd

Nayoung Rhyoo, MAT

Meaghan Owens, BSEd

Nicholas Wansley, BSEd

3. **Scholarly Activities**

Books authored or co-authored:

Stewart, A.J., & Mueller, M.P. (forthcoming). *The Art of Teaching Science with Essential Questions*.

Books edited or co-edited:

Bentley, M.L., & Mueller, M.P. (Eds.). (in press). *Developing Environmental Awareness in Children: A Nature Studies Guide for Parents and Educators*. New York: Peter Lang.

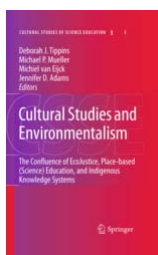
Mueller, M.P., Tippins, D.J., & Stewart, A.J. (Eds.). (in press). *Assessing Schools for Generation R (Responsibility): A Guide to Legislation and School Policy in Science Education*. New York: Springer.

Tippins, D.J., Mueller, M.P., van Eijck, M., & Adams, J.D. (Eds.). (2010). *Cultural Studies and Environmentalism: The Confluence of EcoJustice, Place-based (Science) Education, and Indigenous Knowledge Systems*. New York: Springer.

Chapters in books:

Mueller, M.P. (in press). EcoJustice and Vulnerability in Virtual Worlds. In C. Milne (Ed.), *CSSE Book Series*. New York: Springer.

Mueller, M.P., & Luther, R.A. (in press). Introducing Generation R. In Mueller, M.P., Tippins, D.J., & Stewart, A.J. (Eds.), *Assessing Schools for Generation R (Responsibility): A Guide to Legislation and School Policy in Science Education*. New York: Springer.



- Jakubiak, C., & Mueller, M.P. (in press). The Allure of Corporate Deception and Greenwashing: Why Every Rose has Its Thorn. In J. DeVitis (Ed.), *Citizenship Education and Critical Civic Literacy: A Reader*. New York: Peter Lang.
- Mueller, M.P., Zeidler, D.L., & Jenkins, L.L. (in press). Earth's Role in Ethical Discourse and Functional Scientific Literacy. In J. DeVitis (Ed.), *Character and Moral Education: A Reader*. New York: Peter Lang.
- Mueller, M.P., & Tippins, D.J. (in press). Citizen Science, EcoJustice, and Science Education: Rethinking an Education from Nowhere. In B.J. Fraser, K. Tobin, & C. McRobbie (Eds.), *Second International Handbook of Science Education*. New York: Springer.
- Mueller, M.P., & Tippins, D.J. (2010). Ecodemocracy and School Science: How Projects of Confluence Guide the Development of the Ecosociocultural. In D. Tippins, M. Mueller, M. van Eijck & J.D. Adams (Eds.), *Cultural Studies and Environmentalism: The Confluence of EcoJustice, Place-based (Science) Education, and Indigenous Knowledge Systems* (pp. 461-480). New York: Springer.
- Tippins, D.J., & Mueller, M.P. (2010). Questions for Copenhagen: EcoJustice Perspectives and Summary. In D. Tippins, M. Mueller, M. van Eijck & J.D. Adams (Eds.), *Cultural Studies and Environmentalism: The Confluence of EcoJustice, Place-based (Science) Education, and Indigenous Knowledge Systems* (pp. 181-184). New York: Springer.
- Mueller, M.P., & Zeidler, D.L. (2010). Moral-Ethical Character and Science Education: EcoJustice Ethics through Socioscientific Issues (SSI). In D. Tippins, M. Mueller, M. van Eijck & J.D. Adams (Eds.), *Cultural Studies and Environmentalism: The Confluence of EcoJustice, Place-based (Science) Education, and Indigenous Knowledge Systems* (pp. 150-159). New York: Springer.
- Mueller, M.P., & Tippins, D.J. (2010). Nurturing Morally Defensible Environmentalism. In D. Tippins, M. Mueller, M. van Eijck & J.D. Adams (Eds.), *Cultural Studies and Environmentalism: The Confluence of EcoJustice, Place-based (Science) Education, and Indigenous Knowledge Systems* (pp. 7-10). New York: Springer.
- Tippins, D.J., & Mueller, M.P. (2010). The Need for Confluence: Why a "River" Runs through It. In D. Tippins, M. Mueller, M. van Eijck & J. Adams (Eds.), *Cultural Studies and Environmentalism: The Confluence of EcoJustice, Place-based (Science) Education, and Indigenous Knowledge Systems* (pp. 1-4). New York: Springer.
- Mueller, M.P., & Tippins, D.J. (2010). Prologue. In D. Tippins, M. Mueller, M. van Eijck & J.D. Adams (Eds.), *Cultural Studies and Environmentalism: The Confluence of EcoJustice, Place-based (Science) Education, and Indigenous Knowledge Systems* (pp. xxiii-xxviii). New York: Springer.
- Tippins, D.J., & Mueller, M.P. (2009). As If Local People and Places Mattered: A Relational, Ecological Pragmatist Framework to Guide Projects of Rural Science Education. In W.M. Roth & K. Tobin (Eds.), *The World of Science Education: Handbook of Research in North America* (pp. 529-542). Rotterdam: Sense

Monographs: None

Journal articles:

- Mueller, M.P., Tippins, D.J., & Bryan, L.A. (in press). The Future of Citizen Science. *Democracy and Education*.
- Luther, R.A., & Mueller, M.P. (in press). Healthy Oceans, Healthy Bodies. *Green Teacher*.
- Mueller, M.P., Patillo, K.K., Luther, R.A., & Mitchell, D.B. (in press). Lessons from the Tree that Owns Itself: Implications for Education. *International Journal of Environmental and Science Education*.
- Cajigal, A.R.V., Chamrat, S., Tippins, D.J., Mueller, M.P., & Thomson, N.F. (in press). Beyond the Movie Screen—An Antarctic Adventure. *Science Activities*.
- Mueller, M.P. (in press). Ecojustice in Science Education: Leaving the Classroom. *Cultural Studies of Science Education*, DOI: 10.1007/s11422-011-9333-7.
- Mitchell, D.B., & Mueller, M.P. (2011). A Philosophical Analysis of David Orr's Theory of Ecological Literacy: Biophilia, EcoJustice and Moral Education in School Learning Communities. *Cultural Studies of Science Education*, 6, 193-221.
- Mueller, M.P., & Tippins, D.J. (2010). van Eijck and Roth's Utilitarian Science Education: Why the Recalibration of Science and Traditional Ecological Knowledge Invokes Multiple Perspectives to Protect the Sciences from Being Exclusive. *Cultural Studies of Science Education*, 5, 993-1007.
- Mueller, M.P., & Pickering, J. (2010). Bee Hunt! EcoJustice in Practice for Earth's Buzzing Biodiversity. *Science Activities*, 47(4), 151-159.
- Mueller, M.P. (2010). Citizen Science Can Renew a Child's Love for Nature. *The Thalweg*, 7(4), 2-3.
- Mueller, M.P. (2010). A/Moral Vulnerability for Chet Bowers and Other EcoJustice Educators: A Rejoinder to "Rethinking Social Justice Issues". *Journal of Educational Controversy*, 4(1).
- Mueller, M.P. (2010). How Chet Bowers' Writings Contribute to A/Moral Vulnerability for EcoJustice. *Journal of Educational Controversy*, 4(1).
- Mueller, M.P. (2009). On Ecological Reflection: The Tensions of Cultivating EcoJustice and Youth Environmentalism. *Cultural Studies of Science Education*, 4(4), 999-1012.
- Mueller, M.P. (2009). Educational Reflections on the "Ecological Crisis": EcoJustice, Environmentalism, and Sustainability. *Science & Education*, 18(8), 1031-1055.
- Mueller, M.P., & Bentley, M.L. (2009). Environmental and Science Education in "Developing Nations": A Ghanaian Approach to Renewing and Revitalizing the Local Community and Ecosystems. *Journal of Environmental Education*, 40(4), 53-64.
- Mahaya, E., Tippins, D.J., Mueller, M.P., & Thomson, N.E. (2009). Infectious Disinfection! Exploring Global Water Quality. *Science Activities*, 46(2), 25-31.
- Carroll, D.G., Mueller, M.P., & Saul, B. (2009). Empowering Students in Georgia by Engaging Teachers in Watershed Science. *Proceedings of the 2009 Georgia Water Resources Conference, USA*, 631-634.
- Mueller, M.P. (2008). EcoJustice as Ecological Literacy is Much More than Being "Green!" A Philosophical Review of Chet Bowers' *Transforming Environmental Education: Making the Cultural and Environmental Commons the Focus of Educational Reform*. Implications for Commons Education. *Educational Studies*, 44(2), 155-166.

- Mitchell, D., & Mueller, M.P. (2008). The Role of Ecological Literacy in Middle School Learning Communities. *Tennessee Association of Middle Schools Journal*, 39, 1-9.
- Mueller, M.P., Collins, R.L., & Qualls, D.S. (2008). Interdisciplinary Middle School Teaching in Math, Science, and Social Studies through Its Aesthetic Appeal. *Becoming: Journal of the Georgia Association of Middle Schools*, 19(1), 41-47.
- Mueller, M.P. (2008). Groundwork for EcoJustice: Exploring the Cultural Myth of Ecological Crisis. *Proceedings of the 2008 Annual Conference of the American Educational Research Association, USA*, 261[43.021].
- Mueller, M.P. (2007). Integrating EcoJustice in Middle School Science Education. *Tennessee Association of Middle Schools Journal*, 37, 7-13.
- Mueller, M.P., & Bentley, M.L. (2007). Beyond the “Decorated Landscapes” of Educational Reform: Towards Landscapes of Pluralism in Science Education. *Science Education*, 91(2), 321-338.
- Mueller, M.P. (2006). Fostering Eco-Consciousness through Sciencesthetics in Middle Schools. *Tennessee Association of Middle Schools Journal*, 35, 3-11.
- Mueller, M.P., & Valderrama, P. (2006). Crater Appeal. *Science Teacher*, 73(5), 22-25.
- Mueller, M.P. (2006). Educational Democracy: Fostering the Social Imagination. In J. Cao & J. Spirko (Eds.), *Proceedings of the 11th Annual Conference of the Southeastern Association of Educational Studies*. Knoxville: University of Tennessee.
- Mueller, M.P., & Bentley, M.L. (2005). An Aesthetic Approach to Teaching Middle School Science. *Tennessee Association of Middle Schools Journal*, 33, 2-7.

Bulletins or reports: None

Abstracts:

- Mueller, M.P., & Zeidler, D.L. (2011). Analyzing Yorktown’s GloFish® Ethics: EcoJustice through Socioscientific Issues (SSI) [Abstract]. *Proceedings of the 2011 International Conference of the National Association of Research in Science Teaching*.
- Jenkins, L.L., & Mueller, M.P. (2011). Turning Citizen Science on It’s Head: Exploring Tremont’s Aim of “Connecting People and Nature” [Abstract]. *Proceedings of the 2011 International Conference of the National Association of Research in Science Teaching*.
- Tippins, D.J., Mueller, M.P., & Cole, G. (2011). Prospective Science Teachers’ Explorations of Socioscientific Issues through Videoessays (Abstract). *Proceedings of the 2011 International Conference of the Association for Science Teacher Education*.
- Jenkins, L.L., Mueller, M.P., & Carroll, G.D. (2011). Democratizing Science and Science Education through Citizen Science on the Satilla Watershed [Abstract]. *Proceedings of the 2011 International Conference of the Association for Science Teacher Education*.
- Mueller, M.P. (2010). The University of Georgia Leads the Nation with a PhD Degree Program Designed for Students to Study Educational Philosophy Research Methods [Abstract]. *Proceedings of the 2010 Conference of the Southeastern Association for Science Teacher Education Conference*.
- Mueller, M.P. (2010). What the Great Smoky Mountain Institute at Tremont (GSMIT) Can Teach Us About Citizen Science [Abstract]. *Proceedings of the 2010 Conference of the Southeastern Association for Science Teacher Education*.
- Mueller, M.P., & Love, K. (2009). Chet Bowers’ “Transforming Environmental Education: Making the Renewal of the Cultural and Environmental Commons the

- Focus of Educational Reform”: Implications for Teachers [Abstract]. *Proceedings of the 2009 International Conference of the Association for Science Teacher Education*.
- Mueller, M.P. (2009). A Guiding Framework for Taking Action in the Local Community and Ecosystems: Methods of Science Teaching that Prepare Teachers to Engage in EcoJustice Activism [Abstract]. *Proceedings of the 2009 International Conference of the Association for Science Teacher Education*.
- Mueller, M.P., & Carroll, G.D. (2009). Exploring the Community-Ecology-Education (CEE) Movement in Science Education: Teaching Methods that Prepare Local Science Teachers to Engage Students in EcoJustice [Abstract]. *Proceedings of the 2009 International Conference of the Association for Science Teacher Education*.
- Eick, C.J., Tippins, D.J., Brown, S., Smolleck, L., Koehler, C., & Mueller, M.P. (2009). Science Education Scholarship for New Professors: Defining and Doing It for Successful Promotion and Tenure [Abstract]. *Proceedings of the 2009 International Conference of the Association for Science Teacher Education*.
- Mueller, M.P. (2008). The Case for Chet Bowers’ EcoJustice Philosophy in Science Education [Abstract]. *Proceedings of the 2008 International Conference of the Association for Science Teacher Education*.
- Mueller, M.P. (2006). Has Science Education in Developing Countries Been Hampered by Western Influence [Abstract]? *Proceedings of the College of Education, Health, and Human Sciences Graduate Student Colloquium, USA*, 2(1), 9.

Book reviews:

Mueller, M.P. (in press). Acting in an Uncertain World. *Science Studies*.

Works submitted but not yet accepted: None

Any other:

- Mueller, M.P. (2009). Citizen Science Can Renew a Child’s Love for Nature. *Education.com*.
- Dollar, A., McCarter, T., Ball, M.V., King, P., Light, K.H., Mueller, M.P., Nicely, T., Pfeffer, J., Rivero, R.E., Saito, T., & Sankey, Y.K. (2006). *Nature Explorers: News Sentinel Science Curriculum*. Knoxville: News Sentinel Press.
- Mueller, M.P. (Ed.). (2006). *Symposium on Powerful Teaching: Vol. 1*. Harriman, TN: Roane State Community College.

Creative contributions other than formal publications:

The design and development of College of Education Outdoor Learning Garden, 2011

Grants received:

- Tippins, D.J., & Mueller, M.P. (2011). A Cross-Cultural Dialogue on the Environment, Food Equity and Security, and Sustainable Science Education: A Case-based Approach to Internationalizing Science Education Curricula. *Curriculum Internationalization Grants Program*, \$3,500.
- Tarrant, M., Lance Atkinson, J., Mueller, M.P., & Irwin, K. (2011). From Global to Local: Bridging Science Content, Skills, and Values in the Great Smoky National Park. *Improving Teacher Quality, United States Department of Education*, \$30,079.

- Mueller, M.P., & Tippins, D.J. (2009). Developing Reflection through the “Silver Screen”: Exploring Beginning Teachers’ Use of Videoessays to Enhance their Understanding of Socioscientific Issues. *University System of Georgia Board of Regent’s STEM Initiative*, \$8,000.
- Shelton, J., Rasmussen, T., Mueller, M.P., & Carroll, G.D. (2009). University of Georgia’s Satilla River Watershed Program: A Model for Understanding Georgia’s Natural Resources and Developing Ecological Relationships. *Improving Teacher Quality, United States Department of Education*, \$34,923.
- Mueller, M.P. (2008). STEM Learning Community: Georgia Citizen Science Education Network. *University System of Georgia Board of Regent’s STEM Initiative*, \$2,000.
- Tippins, D.J., Mueller, M.P., Shenk, A., & Carroll, G.D. (2008). Ethical Decision-Making in the Education of Future Science Teachers: Exploring the Nature of Science through Popular Culture Videocases. *University System of Georgia Board of Regent’s STEM Initiative*, \$7,980.
- Irwin, K., Shelton, J., & Mueller, M.P. (2008). Community Development and Service Learning: The UGA Costa Rica Integrated Farm System. *Scholarship of Engagement Grants, University of Georgia*, \$5,500.
- Mueller, M.P. (2008). Northeast Georgia Watershed Explorers Program: A Proposal for Early Career Faculty Grant Development. *College of Education, Early Career Faculty Grant Development, University of Georgia*, \$6,838.50.

Recognitions and outstanding achievements:

- Jack Freeland Memorial Award, Tennessee Press Association, 2007
 Eddie Griffin Memorial Award, SASTE, 2005
 Teacher of the Year, 2004
 Tolleson Union High School District, Excellence in Education Award, 2002

Areas in which research is done:

- EcoJustice Theory
 Citizen Science
 Youth Activism

Supervision of student research:

- Doctoral Chair, Rachel Luther, in progress
 Doctoral Chair, Debbie Mitchell, in progress
 Doctoral Committee Member, Mindy Edelson (Ecology), in progress
 Doctoral Committee Member, Jennifer Lance Atkinson, in progress
 Educational Specialist Committee Member, Brandon Mitchell, 2009
 Educational Specialist Committee Member, Donna Gast, 2009
 Master’s Thesis Committee Chair, Debbie Mitchell, 2009: “A Philosophical Analysis of David Orr’s Theory of Ecological Literacy: Biophilia, EcoJustice and Moral Education in Middle School Learning Communities”

Editorial board member of journals or other learned publications:

- Science Education for EcoJustice, Environmentalism, and Sustainability*, Springer Book Series Editor, 2011-

Cultural Studies of Science Education, Editorial Board Member, 2009-
 American Educational Research Association, Reviewer, 2007
 Association for Science Teacher Education, Reviewer, 2007
Educational Studies: A Journal of AESA, Reviewer, 2006
Environmental Education Research, Reviewer, 2008
 Improving Teacher Quality Grants Program, Reviewer, 2008
International Education, Reviewer, 2011
International Journal of Science Education, Reviewer, 2009
Journal of Science Teacher Education, Reviewer, 2010
 North American Association for Environmental Education, Reviewer, 2008
Science Education, Reviewer, 2008
 Springer, Book Manuscript, *Progressing Science Education*, Reviewer, 2008

International and national convention papers:

- Mueller, M.P., & Tippins, D.J. (2011, April). (Chairs). *Assessing Schools for Generation R (Responsibility): Re-imagining Legislation and School Policy for Environmental Science Education*. Symposium at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Mueller, M.P., & Zeidler, D.L. (2011, April). *Analyzing Yorktown's GloFish® Ethics: EcoJustice through Socioscientific Issues (SSI)*. Paper presented at the annual conference of the National Association of Research in Science Teaching, Orlando, FL.
- Jenkins, L.L., & Mueller, M.P. (2011, April). *Turning Citizen Science on It's Head: Exploring Tremont's Aim of "Connecting People and Nature."* Paper presented at the annual conference of the National Association of Research in Science Teaching, Orlando, FL.
- Jenkins, L.L., Mueller, M.P., & Carroll, G.D. (2011, January). *Democratizing Science and Science Education through Citizen Science on the Satilla Watershed*. Paper presented at the annual conference of the Association for Science Teacher Education, Minneapolis, MN.
- Tippins, D.J., Mueller, M.P., & Cole, G. (2011, January). *Prospective Science Teachers' Explorations of Socioscientific Issues through Videoessays*. Poster presented at the annual conference of the Association for Science Teacher Education, Minneapolis, MN.
- Cajigal, A.R.V., Tippins, D.J., & Mueller, M.P. (2010, March). *An Examination of Ethical Decision Making of Beginning Secondary Science Teachers through Citizen Science Methods*. Paper presented at the annual meeting of the National Association of Research in Science Teaching, Philadelphia, PA.
- Mueller, M.P., Luther, R., Boggs, G.L., Atkinson, J.L., Jenkins, L., & Linsky, C.L. (2010, February). *A Conversation on Ecosociocultural, EcoJustice Research to Analyze "Locavorism"*. A symposium session at the annual meeting of the Eastern Educational Research Association, Savannah, GA.
- Mitchell, D.B., & Mueller, M.P. (2010, February). *Ecological Literacy: Linking Science Education and Morals through Biophilia, EcoJustice and Experiences in Nature*. Paper presented at the annual meeting of the Eastern Educational Research Association, Savannah, GA.
- Mueller, M.P., Tippins, D.J., & Luther, R. (2010, February). *Developing Reflection through the "Silver Screen:" Exploring Beginning Teachers' Use of Videoessays to*

- Enhance their Understandings of Socioscientific Issues and EcoJustice*. Paper presented at the annual meeting of the Eastern Educational Research Association, Savannah, GA.
- Cajigal, A.R.V., Tippins, D.J., & Mueller, M.P. (2010, January). *Exploring Ethical Decision Making of Preservice Science Teachers through Citizen Science Methods*. Paper presented at the annual meeting of the Association for Science Teacher Education, Sacramento, CA.
- Mueller, M.P., Rowe, B., Love, K., Bentley, M.L., & Pagan, T.W. (2009, November). *EcoJustice Perspectives: Environmentalism, Food Culture, and River Advocacy*. Panel session presented at the annual meeting of the American Educational Studies Association, Pittsburgh, PA.
- Mueller, M.P. (2009, April). *Way Beyond Cultural Neutrality: Preparing Teachers to Think about Justice, Morals, and Right Relationships in Science Education*. Invited symposium (*Eco-Justice in and through Science Education: A Community Discussion*) paper presented at the annual meeting of the National Association of Research in Science Teaching, Anaheim, CA.
- Mueller, M.P., & Love, K. (2009, January). *Chet Bowers' "Transforming Environmental Education: Making the Renewal of the Cultural and Environmental Commons the Focus of Educational Reform": Implications for Teachers*. Paper presented at the annual meeting of the Association for Science Teacher Education, Hartford, CT.
- Eick, C.J., Tippins, D.J., Brown, S., Smolleck, L., Koehler, C., & Mueller, M.P. (2009, January). *Science Education Scholarship for New Professors: Defining and Doing It for Successful Promotion and Tenure*. Paper presented at the annual meeting of the Association for Science Teacher Education, Hartford, CT.
- Mueller, M.P. (2009, January). *A Guiding Framework for Taking Action in the Local Community and Ecosystems: Methods of Science Teaching that Prepare Teachers to Engage in EcoJustice Activism*. Paper presented at the annual meeting of the Association for Science Teacher Education, Hartford, CT.
- Mueller, M.P., & Carroll, G.D. (2009, January). *Exploring the Community-Ecology-Education (CEE) Movement in Science Education: Teaching Methods that Prepare Local Science Teachers to Engage Students in EcoJustice*. Paper presented at the annual meeting of the Association for Science Teacher Education, Hartford, CT.
- Mueller, M.P., & Tippins, D.J. (2008, October). *A Citizen-Science Movement for Community Life in the Twenty-First Century*. Paper presented at the annual meeting of the American Educational Studies Association, Savannah, GA.
- Mueller, M.P., Tippins, D.J., Pagan, T.W., Cajigal, A.R.V., Hodges, G.W., Britton, S.A., & Wilson, R.E. (2008, October). *Beyond an Education of Nowhere: Advocacy, EcoJustice, and Uncertainty*. Panel session presented at the annual meeting of the American Educational Studies Association, Savannah, GA.
- Pagan, T.W., & Mueller, M.P. (2008, October). *Do Rivers have Rights? River Advocacy and Uncertainty*. Paper presented at the annual meeting of the North American Association of Environmental Education, Wichita, KS.
- Carroll, G. D., Mueller, M.P., Shelton, J.L., & Jackson, R. (2008, October). *EcoJustice, Uncertainty, and Teachers of Georgia's Satilla Watershed*. Paper presented at the annual meeting of the North American Association of Environmental Education, Wichita, KS.

- Mueller, M.P. (2008, July). *The Moral and Ethical Consequences of Engaging Youth in Scientific Inquiry: Implications for Strengthening Communities through EcoJustice and Science Education*. Paper presented at the 2008 Provoking Research ProVoking Communities Conference, Windsor, ON, Canada.
- Mueller, M.P. (2008, March). *Groundwork for EcoJustice: Exploring the Local Authority of the Commons*. Poster presented at the annual meeting of the American Educational Research Association, New York, NY.
- Mueller, M. P. (2008, March). *Groundwork for EcoJustice: Exploring the Cultural Myth of Ecological Crisis*. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Mueller, M.P. (2008, January). *The Case for Chet Bowers' EcoJustice Philosophy in Science Education*. Paper presented at the annual meeting of the Association for Science Teacher Education, St. Louis, MO.
- Mueller, M.P., & Valderrama, P. (2007, March). *Mars Student Imaging Project: Conducting Inquiry-based Authentic Research*. Paper presented at the annual meeting of the National Science Teachers Association, St. Louis, MO.
- Mueller, M.P. (2007, January). *Beyond Earth Day: Cultivating Environmental Care, Connection, and Community through A Service Learning Project in Teacher Education*. Poster presented at the annual meeting of the Association for Science Teacher Education, Clearwater, FL.
- Mueller, M.P. (2006, November). *The Symposium on Powerful Teaching: A Contextual Learning Approach to Professional Development*. Paper presented at the annual meeting of the National Tech Prep Network, Dallas, TX.
- Mueller, M.P. (2006, July). *Add the Arts and Mix! Using a Sciencesthetics Approach to Expand and Enhance Students' Exploration and Inquiry Skills in Science Education*. Paper presented at the 2006 4th International Conference on Imagination and Education, Imaginative Education Research Group, Vancouver, BC, Canada.
- Mueller, M.P. (2006, July). *An Imagined Conversation with Benjamin Franklin on the Challenges of an Education for Democracy*. Paper presented at the summer conference of the Association of Teacher Educators, Philadelphia, PA.
- Mueller, M.P., & Bentley, M.L. (2006, July). *Fostering Cultural and Ecological Sustainability through Science Education*. Paper presented at the summer conference of the Association of Teacher Educators, Philadelphia, PA.

Regional and state convention papers:

- Mueller, M.P. (2010, October). *The University of Georgia Leads the Nation with a PhD Program Designed for Students to Study Educational Philosophy Research Methods*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Decatur, GA.
- Mueller, M.P., & Jenkins, L.L. (2010, October). *What the Great Smoky Mountain Institute at Tremont (GSMIT) can Teach Us about Citizen Science*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Decatur, GA.
- Mueller, M.P., Tippins, D.J., & Luther, R. (2010, February). *Developing Reflection through the Use of Videoessays as a Way to Understand Socioscientific Issues*. Paper

- presented at the annual meeting of the Georgia Science Teachers Association Conference, Savannah, GA.
- Mueller, M.P. (2009, October). *Rethinking Science Teacher Recruitment and Retention through EcoJustice Methods: Drawing on Blood Ethic of Red Cross Blood Donors*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Kennesaw, GA.
- Cajigal, A.R.V., & Mueller, M.P. (2009, October). *Beginning Science Teachers' Experiences and Visions with Citizen Science*. Poster presented at the annual meeting of the Southeastern Association for Science Teacher Education, Kennesaw, GA.
- Mueller, M.P. (2009, October). *Developing Ecosociocultural Knowledge and Skills through the Bee Hunt! Project*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Kennesaw, GA.
- Cajigal, A.R.V., Tippins, D.J., & Mueller, M.P. (2009, October). *Ethical Decision Making in Videos – Beginning Science Teachers' Experiences with Videocase Simulations and Citizen Science*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Kennesaw, GA.
- Carroll, G.D., Mueller, M.P., & Saul, B.M. (2009, April). *Empowering Students by Engaging Teachers in Watershed Science*. Paper presented at the annual meeting of the Georgia Water Resources Conference, Athens, GA.
- Carroll, G.D., & Mueller, M.P. (2009, March). *Using Citizen Science as a Tool to Improve Inquiry Based Learning and Student Activism*. Paper presented at the annual meeting of the Georgia Environmental Education Conference, Tifton, GA.
- Mueller, M.P. (2008, October). *Citizen Science and EcoJustice: Two Challenges for Preparing Science Teachers*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Columbia, SC.
- Mueller, M.P. (2006, October). *Why the "Decorated Landscapes" of Educational Reform Endanger Future Generations and Their Livelihoods*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Macon, GA.
- Mueller, M.P., & Sankey, Y.K. (2006, April). *The Newspaper in Education Program*. Paper presented at the 2006 Symposium on Powerful Teaching, Harriman, TN.
- Mueller, M.P. (2006, April). *Mapping Mars from the Classroom*. Paper presented at the 2006 Symposium on Powerful Teaching, Harriman, TN.
- Mueller, M.P. (2006, March). *Has Science Education in Developing Countries Been Hampered by Western influence?* Poster presented at the annual College of Education, Health, and Human Services Graduate Colloquium, Knoxville, TN.
- Mueller, M.P. (2006, February). *Educational Democracy: Fostering the Social Imagination*. Paper presented at the annual meeting of the Southeastern Association of Educational Studies, Knoxville, TN.
- Mueller, M.P. (2006, February). *Introducing Sciencethetics: Expanding Students' Exploration and Inquiry Skills with Aesthetic Language in Science Education*. Paper presented at the annual meeting of the Southeast Philosophy of Education Society, Decatur, GA.
- Mueller, M.P. (2005, October). *Traveling on Aesthetic Journeys of Experience in Science Education*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Athens, GA.

Mueller, M.P. (2005, October). *Sciencesthetics: An Aesthetic Way of Knowing in Science Teacher Education*. Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Athens, GA.

4. Public Service

Extension: None

International programs: None

Invited lectures:

Mueller, M.P. (2009, November). *Beyond the Anthropocentric Priorities of Social Justice in Education: Why EcoJustice Matters to Everyone*. College Of Education's Council on Diversity, The University of Georgia, Athens, GA.

Local community services and relations:

Development of the Georgia Citizen Science Education Network (GCSEN), 2008

Development of the Science Education for EcoJustice Listserv

(se-ecojustice@listserv.uga.edu), 2009

Development of the Science Educators of Georgia Listserv

(sciedgeorgia@listserv.uga.edu), 2009

Local community services to government and nongovernmental agencies:

Mueller, M.P. (2010, June). *Advanced Inquiry and Citizen Science*. US Department of Energy Academies Creating Teacher Scientists (ACTS) teacher professional development program at Oak Ridge National Laboratory, Oak Ridge, TN.

Mueller, M.P. (2009, July). *Advanced Inquiry, Citizen Science, and Participatory Action Research*. US Department of Energy Academies Creating Teacher Scientists (ACTS) teacher professional development program at Oak Ridge National Laboratory, Oak Ridge, TN.

Mueller, M.P. (2009, June). *Inquiry, Nature of Science, and the National Science Education Standards*. US Department of Energy Academies Creating Teacher Scientists (ACTS) teacher professional development program at Oak Ridge National Laboratory, Oak Ridge, TN.

Mueller, M.P. (2008, June). *Exploring Mars, Classroom Inquiry, and Sustainability*. US Department of Energy 9-12 Science Education Workshop at Oak Ridge National Laboratory, Oak Ridge, TN.

Mueller, M.P. (2007, June). *Integrating Mars into the Classroom through Sciencesthetics*. US Department of Energy 9-12 Science Education Workshop at Oak Ridge National Laboratory, Oak Ridge, TN.

Mueller, M.P. (2006, July). *Integrating Mars into the Classroom through Sciencesthetics*. US Department of Energy 9-12 Science Education Workshop at Oak Ridge National Laboratory, Oak Ridge, TN.

Mueller, M.P. (2005, August). *Integrating Mars into the Classroom through Sciencesthetics*. US Department of Energy 9-12 Science Education Workshop at Oak Ridge National Laboratory, Oak Ridge, TN.

5. Other Services

Service on department committees:

Doctoral Admissions Advisory Committee, 2011-
Secondary Science Education Committee, 2007-

Service on college committees:

The Graduate Student Research Conference Committee, 2009

Service on university committees:

Children's Garden Advisory Board, 2009-2011
The Academy of the Environment at UGA, 2007-

Service to student groups and organizations: None