

Michelle S. Schroeder-Moreno

Department of Crop & Soil Sciences, NC State University
2406 Williams Hall, Campus Box 7620, Raleigh, NC 27695-7620
(919) 513-0085 (phone) • (919)-515-5855 (fax)
michelle_schroeder@ncsu.edu

Feb 2018

EDUCATION

Ph.D. in Biology (Ecology and Evolutionary Biology with emphasis on Tropical Ecology),
University of Miami, FL, 1997-2003

B.S. in Applied Ecology, University of California, Irvine, 1992-1996

PROFESSIONAL EXPERIENCE

Professor, Department of Crop & Soil Sciences, NC State University, Agroecology Program
Director, 2018- present.

Assistant Director of Educational Programs, Center for Environmental Farming Systems. NC
State University, 2010-present.

Associate Professor, Department of Crop & Soil Sciences, NC State University, Agroecology
Program Director, 2012-2018

Assistant Professor, Department of Crop Science, NC State University, 2006- 2012

Teaching Assistant Professor, Department of Crop Science, the NC State University,
Agroecology Program Director, 2004-2006

AWARDS AND HONORS

NC State Alumni Distinguished Professor Award, 2016

City of Raleigh Environmental Award for the NC State Agroecology Education Farm, 2016

NC State Green Brick Award, Agroecology Education Farm, 2016

Fulbright Scholar Award, Croatia, July-December 2015

Kriz Study Leave Award, 2015

Teacher Fellow Award, North America College Teachers of Agriculture (NACTA), 2014

Community Engaged Faculty Fellow, the NC State University, 2011- present

Opal Mann Green Engagement and Scholarship Award Winner (2011; Gardening and Nutrition
PIECES Collaborative Team

Outstanding Teacher Award, NC State University, 2010

Alumni Association Teaching Award, NC State University, 2010

TEACHING EXPERIENCE

Courses:

- **Introduction to Agroecology course** (CS 230-001, Undergraduate level), Main instructor and developed course, includes a service learning component; the NC State University, 2004-present.
- **Online Introduction to Agroecology course** (CS 230-601, Undergraduate and Post Baccalaureate level), online, Main instructor and developed course, includes a service learning component; the NC State University, 2005-present.

- **Advanced Agroecology course and lab** (CS 430, Undergraduate and graduate level), Main instructor and developed course, includes a service learning component and developed my own reading packet and lab manual; the NC State University, 2006-present.
- **Sustainability of Tropical Agroecosystems Study Abroad Course** (CS 495, Undergraduate and graduate level), Co-instructor, collaborative 3 week course throughout Costa Rica offered through the NC State University and University of Georgia, 2005-2013.
- **Sustainable Agriculture Summer Internship Program** at the Center for Environmental Farming Systems, (CS 492, Undergraduate and graduate level), Program Director and Co-Instructor, 8 week summer residential hands-on education and research training program, the NC State University, 2004-present.
- **Agroecología curso** (Undergraduate and graduate level), Co-developer and instructor, collaborative online course through the NC State University and Universidad del Empresa, Montevideo, Uruguay, offered (*in Spanish*) through the Inter-American Institute for Cooperation on Agriculture (IICA), 2011 –2014.
- **Critical Issues in Sustainable Agriculture course** (Graduate level), Co-Instructor, the NC State University, 2010 –2013.
- **International Organic Agriculture training course in Uruguay** (Graduate level and special Extension Agent training), Co-instructor, one-time 2 week course in Uruguay offered through the NC State University, 2007.

Curricula Developed:

- **New Agroecology and Sustainable Food Systems Undergraduate Major**, submitted for approval through the NC State and the UNC Board, fall 2017- presently.
- **Agroecology Concentration Program**- Developed undergraduate curricula for the Agroecology Concentration program (125 credits) in the Plant and Soil Sciences undergraduate degree program in 2008.
- **Agroecology Minor Program**- Developed undergraduate curricula for the Agroecology Minor program (17 credits) in 2005.

PEER REVIEWED PUBLICATIONS

Note : An asterisk indicates a graduate student, ** indicates an undergraduate student*

- Niewolny, K., **Schroeder-Moreno, M.**, *Mason, G., *McWhirt, A., & Clark, S. 2017. Participatory Praxis for Community Food Security Education. *Journal of Agriculture, Food Systems, and Community Development*, 7(4), 105-128.
doi:<http://dx.doi.org/10.5304/10.5304/jafscd.2017.074.009>
- *Beck, J. E., **Schroeder-Moreno, M. S.**, Fernandez, G. E., Grossman, J. M., & Creamer, N. G. 2016. Effects of Cover Crops, Compost, and Vermicompost on Strawberry Yields and Nitrogen Availability in North Carolina. *HortTechnology*, 26(5), 604-613.
- *Mandeep K. Riar, M.K., D.S. Carley, C. Zhang, **M.S. Schroeder-Moreno**, D.L. Jordan, T.M. Webster, T.W. Rufty. 2016. Environmental influences on growth and reproduction of invasive *Commelina benghalensis*, *International Journal of Agronomy*, vol. 2016, Article ID 5679249, 9 pages, 2016. doi:10.1155/2016/5679249.
- Rysin, O., *A. McWhirt, G. Fernandez, F.J. Louws, **M. Schroeder-Moreno**. 2015. Economic Viability and Environmental Impact Assessment of Three Different Strawberry Production Systems in Southeastern United States. *HortTechnology*. 25(4):585-594.

- Cardoza, Y.J., *W.L. Drake, D.L. Jordan, **M.S. Schroeder-Moreno**, C. Arellano, R.L. Brandenburg. 2015. Impact of Location, Cropping History, Tillage, and Chlorpyrifos on Soil Arthropods in Peanut. *Environmental Entomology*. 44(4):1-9.
- *Ratasky, S., **M. Schroeder-Moreno**, J. Jayaratne, L. K. Bradley, J. Grossman, D. Orr, 2015. Identifying Key Characteristics for Student Farm Successes through a National Delphi Study. *North American College Teachers of Agriculture (NACTA)*. 59(1):96-103.
- *McWhirt, A., G. Fernandez, **M. Schroeder-Moreno**. 2014. Sustainable Practices for Plasticulture Strawberry Production in the Southeast. *North Carolina Cooperative Extension Publication*. AG-796. <http://content.ces.ncsu.edu/sustainable-practices-for-plasticulture-strawberry-production-in-the-southeast/>.
- Schroeder-Moreno, M.**, S. Clark, C. Byker, X. Zhao. 2012. Internationalizing sustainable agriculture education. *Journal of Agriculture, Food Systems and Community Development*. 2(3):55-68.
- Jacobsen, K., K. Niewolny, **M. Schroeder-Moreno**, M. Van-Horn, M. Williams, D. Parr. 2012. Creating sustainable agriculture education programs: A land-grant university mission. *Journal of Agriculture, Food Systems and Community Development*. 2(3):13-26
- Schroeder-Moreno, M.S.**, T.L. Greaver, **S. Wang, S. Hu, T.W. Ruffy. 2012. Mycorrhizal-mediated nitrogen acquisition in switchgrass under elevated temperatures and nitrogen enrichment. *Global Change Biology Bioenergy*. 4:266-276.
- *Garland, B, **M. Schroeder-Moreno**, G. Fernandez, N. Creamer. 2011. Influence of Summer Cover Crops and Mycorrhizal Fungi on Strawberry Production in the Southeastern United States. *HortScience*. 46(7):985-991
- *Drake, W.L., D.L. Jordan, **M. Schroeder-Moreno**, P.D. Johnson, J.L. Heitman, Y.J. Cardoza, R.L. Brandenburg, B.B. Shew, T. Corbett, C.R. Bogle, W. Ye, and D. Hardy. 2010. Crop Response following tall fescue sod and agronomic crops. *Agronomy Journal*. 102:1692-1699.
- Schroeder-Moreno, M.S.** 2010. Enhancing Active and Interactive Learning Online - Lessons Learned from an Online Introductory Agroecology Course. *North American College Teachers of Agriculture (NACTA)*. 54:21-30.
- Creamer, N.G., J.P. Mueller, C. Reberg-Horton, **M. Schroeder-Moreno**, S. Washburn, and J. O'Sullivan. 2009. Center for Environmental Farming Systems: Designing and Institutionalizing an Integrated Sustainable and Organic Agriculture Program. In: *Organic Farming: The Ecological System*; Francis, C (ed.), Agronomy Monograph 54, American Society of Agronomy (ASA)
- Schroeder-Moreno, M.S.** and D.P. Janos. 2008. Intra- and interspecific density affects plant growth responses to arbuscular mycorrhizas. *Botany*. 86:1180-1193.
- Schroeder-Moreno, M.S.** and R. Cooper. 2007. Online Students Perform Similarly to Students in a Traditional Classroom-Based Section of an Introductory Turfgrass Management Course. *NACTA*. 51(4):46-51
- *Burke, I.C., **M. Schroeder**, W.E. Thomas, and J.W. Wilcut. 2007. Palmer Amaranth Interference and Seed Production in Peanut. *Weed Technology*. 21:367-371.
- Schroeder, M.S.**, N.G. Creamer, H.M Linker, J.P. Mueller, and P. Rzewnicki. 2006. Interdisciplinary and Multi-level Approach to Organic and Sustainable Agriculture Education at North Carolina State University. *HortTechnology*. 16(3):418-426.

- Schroeder, M.S.** and D.P. Janos. 2005. Plant growth, phosphorus nutrition, and root morphological responses to arbuscular mycorrhizas, phosphorus fertilization, and intraspecific density *Mycorrhiza*. 15(3):203-216.
- Schroeder, M.S.** and D.P. Janos. 2004. Phosphorus and intraspecific density alter plant responses to arbuscular mycorrhizas. *Plant and Soil*. 264:335-348.
- Janos, D.P., **M. Schroeder**, B. Schaffer, and J. Crane. 2001. Arbuscular mycorrhizas stimulate the growth of air-layered *Litchi chinensis* Sonn. trees. *Plant and Soil*. 233:85-94.
- Carpenter, L.F., S. Palacios-Mayorga, E. Gonzalez-Quintero, and **M. Schroeder**. 2001. Land use and erosion of a Costa Rican ultisol affect soil chemistry, mycorrhizal fungi and early regeneration. *Forest Ecology and Management*. 144:1-17.
- Schroeder, M.S.** and S.G. Weller. 1997. Self-incompatibility and clonal growth in *Anemopsis californica*. *Plant Species Biology*. 12:55-59.

GRANTS

Note : An asterisk indicates a graduate student*

- Schroeder-Moreno, M.** Enhancing Curriculum and International Collaborations in Agroecology between North Carolina and Croatia. Funded by the Fulbright Scholar Program, 2015-2016, \$26,550.
- *Cruz, A. **M. Schroeder-Moreno**. Sin Suelo Sin Comida: How Can Sustainable Soil Management Improve Food Security For Smallholder Farmers In El Salvador? Funded by US Agency for International Development (USAID)/ Purdue University. 2015-2016. \$22,677.
- Reberg-Horton, C., A. Franzluebbers, **M. Schroeder-Moreno**, C. Barbieri, S. Washburn, N. Creamer. Institutionalizing Cover Crop Research and Education in the Southeast. Funded by USDA/SARE. 2015-2017. \$129,712.
- Schroeder-Moreno, M.**, A. McWhirt*, Y. Cardoza, G. Fernandez, H. Burrack. Sustainable Soil Management Practices for Strawberries: Diverse Approaches for Facilitating Adoption. University of Arkansas - Center for Agricultural and Rural Sustainability. 2014-2015. \$103,784.
- Schroeder-Moreno, M.**, A. McWhirt*, Y. Cardoza, G. Fernandez, H. Burrack. Sustainable Soil Management Practices for Strawberries: Evaluation of Individual and Integrated Approaches. University of Arkansas - Center for Agricultural and Rural Sustainability. 2013-2014. \$78,034.
- Schroeder-Moreno, M.**, J. Grossman. Enhancing Student-Centered Active Learning (SCALE-UP) in NCSU Agriculture and Soil Science Courses, NCSU SCALE-UP Initiative. 2013-2014. \$25,000.
- *McWhirt, A., **M. Schroeder-Moreno**, Y. Cardoza, G. Fernandez. Vermicompost and Mycorrhizal Interactions for Reduction of Spider Mite Populations in Short-Day Strawberry Cultivars. Funded by the North American Strawberry Growers Research Foundation, Inc. 2013-2014. \$4,080.
- Reberg-Horton, C., Y. Cardoza, N. Creamer, J. Grossman, S. Hu, J.M. Luginbuhl, D. Orr, M. Poore, **M. Schroeder-Moreno**, M. Schulman, S. Washburn, S. Bowen. CEFS Long-Term Systems Research: Providing the Building Blocks for Resilient Food Production Systems. Funded by USDA/SARE, 2012-2016. \$400,000.

- Hu, S, C. Reberg-Horton, **M. Schroeder-Moreno**, J. Grossman, W. Everman, W Robarge. Assessing the greenhouse gas mitigation potential of organic systems in the Southeast USDA-NIFA. . 2012-2015. \$742,583.
- Creamer, N, D. Ducharme, C. Dunn, R. Handfield, T. Melton, J. Nash, M. Poore, **M. Schroeder-Moreno**. An Integrated Project to Enhance Food Security and Sustainability through the Development and Evaluation of Supply Chains from Local Farmers and Fishers to Two Large-Scale Models of Local Food Distribution. 2012-2017. Funded by USDA-AFRI. \$2,416,014.
- Grossman, J., **M. Schroeder-Moreno**, K. Jayaratne. Sowing the Seeds for Effective Urban Agriculture Leaders through Student-Community Partnerships. Funded by the NC State University, Office of Extension & Engagement & Economic Development, 2012-2013. \$10,000.
- Clark, S, K. Niewolny, S. Hodges, **M. Schroeder-Moreno**, C. Brown. Enhancing food security by cultivating resilient food systems and communities: Place-based foodshed analysis from research to community practice. 2011-2015. Funded by USDA NIFA. \$2,041,100.
- Konieg, R, M. Swisher, T. Grady, **M. Schroeder-Moreno**, G. Zehnder, P. Morales. Educating and training future farmers, ranchers, and extension personnel in sustainable agriculture, 2010-2013. Funded by USDA/SARE, \$245,000.
- Schroeder-Moreno, M.**, G. Fernandez. Examination of an integrated approach of using composts, summer cover crops, beneficial mycorrhizal fungi and vermicompost for organic and conventional strawberry production in the Southeast. 2010-2011. Funded by the Southern Region Small Fruit Consortium. \$5,000.
- Schroeder-Moreno, M.**, T. Greaver, S. Hu, T. Ruffy. Interactions among Elevated CO₂, Elevated N Deposition and Mycorrhizal Mediated N Uptake by Vegetation. 2007-2009. Funded by the Environmental Protection Agency (EPA), \$35,214.
- Schroeder-Moreno, M.**, G. Fernandez, N. Creamer. Selecting cover crops for diverse functions: an integrated soil management approach for organic strawberry production in North Carolina. 2007-2009. Sustainable Agriculture Research and Education/USDA. \$200,000.
- Muller, J., S. Bullen, N. Creamer, S. Kathariou, J.M. Luginbuhl, **M. Schroeder-Moreno**. An Interdisciplinary Team Approach to Building International Collaboration in Organic Agriculture. 2006-2010. Funded by the Cooperative State Research, Education, and Extension Service/USDA. \$100,000.
- Schroeder-Moreno, M.** Developing a Distance Education Introduction to Agroecology Course. 2004-05. Funded by Innovation in Distributed Education Applications (IDEA) Grant, DELTA, NC State University, \$12,000.

INVITED TALKS AND PRESENTATIONS

Note : An asterisk indicates a graduate student presented, ** indicates an undergraduate presented*

- *Cruz, A., **Schroeder-Moreno, M.**, Mendez, V. E., Hesterberg, D., Bowen, S., and Jayaratne, KSU. Examining the Relationship Between Managing Cropland for Soil Health and Food Security in El Salvador. Oral Presentation at the Soil Science Society of America (2016).
- *Cruz, A., **Schroeder-Moreno, M.**, Hesterberg, D., Bowen, S., and Jayaratne, KSU. Pequeños agricultores perciben falta de abono como mayor reto a la producción agrícola aun cuando están sobre aplicando estos abonos. Submitted to Comunicaciones, natural sciences research journal in El Salvador. (In Review)

- *Cruz, A., **Schroeder-Moreno, M.**, Hesterberg, D., Bowen, S., and Jayaratne, KSU. Soil management as a catalyst for increasing food security for smallholder farmers in El Salvador. Oral Presentation at the American Association of Geographers (2016).
- Schroeder-Moreno, M.** (December 2015). Television interview with the Croatia public television program on the state of organic and sustainable agriculture in the US, <http://www.hrt.hr/enz/eko-zona/>
- Schroeder-Moreno, M** (December 2015), *How Community Gardening Can Change the World*, Guest lecture to high school students and teachers at the Srednja škola Arboretum Opeka Horticulture High School in Varazdin, Croatia.
- Schroeder-Moreno, M** (November 2015), *Organic Agriculture Challenges and Opportunities in the US*, Guest lecture to undergraduate level Introduction to Organic course, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia.
- Schroeder-Moreno, M** (November 2015), *How Community Gardening Can Change the World*, Guest lecture to high school students and teachers at the Agricultural High School at Slavonski Brod, Slavonski Brod, Croatia.
- Schroeder-Moreno, M** (November 2015), *Soil health and agroecology research from El Salvador to North Carolina*, Oral presentation, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia.
- Schroeder-Moreno, M** (November 2015), *The Agroecology Education Farm- Experience of Developing a Student*, Oral presentation, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia.
- Schroeder-Moreno, M** (October 2015). *The Center for Environmental Farming Systems and Sustainable Agriculture Research in North Carolina*, Oral presentation, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia.
- Schroeder-Moreno, M** (October 2015). *Soil Health and How to Measure it with Indicators*, Guest lecture to graduate level Global Ecology course, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia.
- *McWhirt, A., **M. Schroeder-Moreno**, G. Fernandez, (Feb 2015). *How sustainable soil management practices and fumigation strategies interact to impact strawberry yield and soil quality*. Oral Presentation, North American Strawberry Symposium, CA.
- *McWhirt, A., **M. Schroeder-Moreno**, G. Fernandez, Y. Cardoza, H. Burrack. (Oct 2014). *Impacts on Soil Health: Evaluation of Sustainable Soil Management Practices in Fumigated and Non-Fumigated Plasticulture Strawberry Systems in the SE*, Poster presentation, SOILbration Meeting, Center for Environmental Farming Systems, Goldsboro, NC. .
- Schroeder-Moreno, M.** (Nov 2014). *Hands-on Equals Minds-on: Reflections on Student Impacts and Keys to Success of Community Gardening Service Learning Activities in Agroecology Courses*. Oral presentation, American Societies of Crop, Soil and Agronomy Tri-Society Conference, CA.
- * Cruz A., **M. Schroeder-Moreno**, N. D'Adamo-Damery, S. Clark, K. Niewolny. (Nov 2014). *A participatory evaluation of community food security in western North Carolina*, Poster presentation and published abstract, American Societies of Crop, Soil and Agronomy Tri-Society Conference- CA.
- * McWhirt, A., **M. Schroeder-Moreno**, G. Fernandez. (Nov 2014). *Impacts on Soil Health: Evaluation of Individual and Combined Sustainable Soil Management Practices In Fumigated and Un-fumigated Plasticulture Strawberry Systems in the SE*, Poster presentation

and published abstract, American Societies of Crop, Soil and Agronomy Tri-Society Conference, CA.

- *Adams, Paul III, **M. Schroeder-Moreno**, D. Watson, D. Watson, D. Orr and Y. Cardoza. (Nov 2014). *System-level effects on arthropod communities in conventional and organic crop fields*. Poster presentation, 62nd Entomology Society of America (ESA) Conference, OR.
- *McWhirt, A., **M. Schroeder-Moreno**, G. Fernandez. (Nov 2014) *Sustainable Soil Management Practices for Southeastern Strawberry Production*, Invited Oral Presentation and published abstract, Strawberry Expo- North Carolina Strawberry Association, Pinehurst NC,
- *McWhirt, A., **M. Schroeder-Moreno**, G. Fernandez. (July 2014) *Effects of Cover Crops and Vermicompost on Strawberry Production in the Southeastern United States*, Poster presentation and published abstract, ASHS 2014 Conference.
- Schroeder-Moreno, M.**, *A. Cruz, S. Clark, and K. Niewolny. (Aug 2014) *Developing a Graduate Level Food Systems Course from the Ground up: Preliminary Analyses of Food System Courses*, Poster presentation, Sustainable Agriculture Education Association (SAEA) National Conference, NC State University, Raleigh, NC.
- Jacobsen, K., **M. Schroeder-Moreno**, M. Hendrickson, A. Ogden, (Aug 2014). *Building Collaborative Networks in International Sustainable Agriculture Education*, Discussion panel, Sustainable Agriculture Education Association (SAEA) National Conference, NC State University, Raleigh, NC,
- *Ratasky, S., **M. Schroeder-Moreno**, R. Koenig (Aug 2014). *Developing sustainable agriculture teaching curriculum for student farms through a multi-institutional collaboration: An example of a soil biology lesson*. Poster presentation, Sustainable Agriculture Education Association (SAEA) National Conference, NC State University, Raleigh, NC.
- Schroeder-Moreno, M.** (Dec 2013). *Soil Biology 101 for Strawberry Growers*. Invited oral presentation and published abstract, North American Strawberry Growers Conference, Durham, NC.
- Louws, F., **Schroeder-Moreno, M.** (Dec 2013). *Soil Health Management & IPM*. Co-invited oral and presentation and published abstract, North American Strawberry Growers Conference, Durham, NC.
- *McWhirt, A., **M. Schroeder-Moreno**, Y. Cardoza, G. Fernandez, H. Burrack, and J. Pattison (Dec 2013). *Sustainable Soil Management Practices for Southeastern Strawberry Production*, North American Strawberry Growers Conference, Durham, NC
- Schroeder-Moreno, M.** (Oct 2013). Invited Panel discussion on Personal/Professional Life Integration, The NC STATE UNIVERSITY CALS Graduate Student Professional Development Workshop, Aqueduct Conference Center, Chapel Hill, NC.
- Schroeder-Moreno, M.** (August 2013). Invited Keynote speaker, North Carolina Women in Agriculture Meeting, Raleigh, NC.
- *Cruz, A., **M. Schroeder-Moreno**, D. Watson. (August 2013). *The role of arbuscular mycorrhizal fungi diversity in crop response to drought*, Oral Presentation and published abstract, Ecological Society of America (ESA) Conference, Minneapolis, MN.
- *Glennon, H., J-M. Luginbuhl, J.P. Mueller, J. Grossman, **M. Schroeder-Moreno**. (October 2013). *Addition of clovers to tall fescue pastures enhances nitrogen status of animals, forages and soils*. Presentation for the Southern Section of the American Society for Animal Science Conference.

- *Ratasky, S., **M. Schroeder-Moreno**, J. Jayaratne. (June 2013). *Challenges and Opportunities in Developing the Student Farm as an Educational Resource: A Nationwide Delphi Student on Student Farms*. Oral Presentation and published abstract, North American College Teachers of Agriculture (NACTA) Conference, Virginia Tech, Blacksburg, VA.
- Grossman, J., *S. Smith, **M. Schroeder-Moreno**, J. Jayaratne. (June 2013). *Application of Service-Learning in two courses for a hands-on, minds-in, and hearts felt educational experience*. Oral Presentation and published abstract, North American College Teachers of Agriculture (NACTA) Conference, Virginia Tech, Blacksburg, VA.
- Schroeder-Moreno, M.** (June 2013). The View from the Field: A Dialogue with North Carolina Growers and Experts, Invited discussion panel for agricultural teachers across North Carolina, NC Biotechnology Center, RTP, NC.
- Schroeder-Moreno, M.**, Jacobsen, K. (Sept 2012). *Developing International Learning Opportunities in Sustainable Agriculture – What and How Do We Want Students to Learn?* Oral presentation, Sustainable Agriculture Education Association Conference (SAEA) Conference, Oregon State University, OR.
- Schroeder-Moreno, M.**, *A. Cruz, A., S. Clark. (Sept 2012). *Developing a Graduate Level Food Systems Course from the Ground up: Preliminary Analyses of Food System Courses*. Poster, SAEA Conference, Oregon State University, OR.
- *Ratasky, S., **M. Schroeder-Moreno**. (Sept 2012). Reinventing the Student Farm: Results from a Nationwide Delphi Study on Student Farms. Oral presentation, SAEA Conference, Oregon State University, OR.
- **Fugate, A., **P. Blackley, **M. Sherard, **M. Schroeder-Moreno**. (August 2011). *Student Efforts in Sustainable Agriculture Education through a Campus Farmers Market at NC State University*. Oral presentation, Fourth National SAEA Conference, University of Kentucky, Lexington, KY.
- Schroeder-Moreno, M.** (August 2011) *Bridging the Divide or Changing Course? How Sustainable Agriculture and Agroecology Programs Interact with Traditional Agricultural Programs*. Oral presentation, Fourth National SAEA Conference, University of Kentucky, Lexington, KY.
- Schroeder-Moreno, M.**, N. Creamer, J. O’Sullivan, S.C. Reberg-Horton, A. Miers (August 2011) *Building and Sustaining Agroecology and Sustainable Agriculture Education Programs for Diverse Audiences at the Center for Environmental Farming Systems*. Oral presentation, Fourth National SAEA Conference, University of Kentucky, Lexington, KY.
- Schroeder-Moreno, M.**, J. Grossman (August 2011) *Diverse Strategies to Develop and Assess Student Impacts From Community Garden Service Learning Experiences*. Oral presentation, Fourth National SAEA Conference, University of Kentucky, Lexington, KY.
- Schroeder-Moreno, M.**, S. Rikoon, D. Parr, J. Grossman, K. Niewolny. (August 2011) *Sustainable Agriculture Education Association (SAEA) Coming of Age*. Oral presentation, Fourth National SAEA Conference, University of Kentucky, Lexington, KY.
- Schroeder-Moreno, M.**, W. Parrott. (August 2011) *Sustainability of Tropical Agroecosystems- An Innovative Study abroad Curriculum for Enhancing Global Sustainability Education*. Oral presentation, Fourth National SAEA Conference, University of Kentucky, Lexington, KY.
- Mueller, J.P., **M. Schroeder-Moreno** (June 2011) *An Interdisciplinary Team Approach to Building International Collaboration in Organic Agriculture*. Oral presentation and poster.

- USDA/NIFA International Science Education (ISE) Project Director's Conference, Washington DC.
- Schroeder-Moreno, M.** (June 2011) *Sustainable Agriculture and Lessons from Cuba*. Invited Oral Presentation, Resourceful Communities Conference, Black Mountain, NC.
- Schroeder-Moreno, M.** (November 2010). *Reflections on excellence in teaching and learning*. Invited Panel discussion among invited faculty from across departments at NC State University, Caldwell Fellows Program.
- Schroeder-Moreno, M.** (November 2010) *Community Engaged Teaching and Scholarship*. Invited oral presentation, NC State University, Office of Faculty Development Seminar Series, NC.
- Grossman, J., **M.S. Schroeder-Moreno**, S. Prohn (Feb 2010) *A Multi-method Approach to Assessing Student-learning Gains Through Community Gardening Service-learning Initiatives*. Oral presentation, National Outreach Scholarship Conference, Raleigh, NC.
- Schroeder-Moreno, M.** (July 2009) *Where Do We Go From Here? Retrospect of an Agroecology Minor Program and Future Steps for an Agroecology Major*. Poster presentation, SAEA Conference, Iowa State University, Ames, Iowa.
- Schroeder-Moreno, M.** (November 2009) *Agroecology Education at NC State University*, Oral presentation, Crop Science Department Seminar Series, Raleigh, NC.
- *Bresaw, K., **M. Schroeder-Moreno** (July 2007) *Development of an Agroecology Education Farm at NC State University*, Poster presentation, 2nd National SAEA Conference, Cornell University.
- Schroeder-Moreno, M.** (July 2007) *Sustainable Agriculture and Agroecology Education at NC State University*. Poster presentation, 2nd National SAEA Conference, Cornell University.
- Schroeder-Moreno, M.S** (November 2006) *Agroecology and Sustainable Agriculture Education at NC State University*. Oral presentation. Carolina Farm Stewardship Association Conference, Spartanburg, SC.
- Creamer, N., J.P. Mueller, **M.S. Schroeder-Moreno**, H.M. Linker (November 2006) *Integrating Research, Education, and Outreach at the Center for Environmental Farming Systems: a Model for Meeting the Need for Integrated Approaches to Sustainable Agriculture at Land Grant Universities*. Invited Oral Presentation/Symposium and published abstract. *ASA/CSSA/SSSA International Meeting*. Indianapolis.
- Schroeder, M.S.** (October 2006) *Agroecology Education at North Carolina State University: Educating Students in Multi-disciplinary Thinking*. Oral presentation (*Presented in Spanish*). International Agroecology Symposium. Universidad Autonoma Chapingo. Chapingo, MX.
- Schroeder, M.S.**, G. Huaiying, A. Robertson, D. Howard (March 2006) *Challenges and Lessons of Designing and Teaching an Online Agroecology Course*. Oral presentation. University of North Carolina Teaching and Learning with Technology Conference, Raleigh, NC.
- Schroeder, M.S.** (January 2006). *Sustainable Agriculture Educational Programs Nationwide and in Europe*. Invited panel discussion. Ecological Farming Conference, Pacific Grove, CA.
- Schroeder, M.S**, N. Creamer, J.P. Mueller, H.M. Linker (January 2006) *Sustainable Agriculture and Agroecology Education at NC State University*. Invited Oral presentation. Facilitating Sustainable Agriculture: A Participatory National Conference on Post- Secondary Education, Pacific Grove, CA.

NATIONAL/ INTERNATIONAL SERVICE AND LEADERSHIP ACTIVITIES

- Conference Co-chair and Organizer, Sustainable Agriculture Education Association (SAEA; <http://sustainableaged.org/>) Conference at NC State University, Aug. 2014. *I led and organized the conference and all associated activities that brought 200 leaders in sustainable agriculture education to NC State from over 50 different institutions nationwide.*
- Chair (2010-2012), Vice Chair (2009), and Secretary (2007-2008), Sustainable Agriculture Education Association (SAEA). *Also one of the founding members that led its development in 2006.*
- Member of the Advisory Committee for the Sustainable Agriculture Associate program at Carolina Central Community College (CCCC) in Pittsboro, NC. 2008-present.
- Reviewer for *Applied Ecology, Journal of Natural Resources and Life Sciences Education, Hort Science, NACTA* and *Mycorrhiza* peer-reviewed journals.

UNIVERSITY SERVICE AND LEADERSHIP ACTIVITIES

- Chair of the Agroecology Educational Farm Steering Committee and Director of the Agroecology Education Farm, 2009-present.
- Assistant Director of Educational Programs for the Center for Environmental Farming Systems (CEFS), 2009-present.
- Member, CALS Teaching and Advising Effectiveness Committee (TAEC), Sept 2013-present.
- Member, Parks Scholar Enrichment Grant Review Committee and Parks Scholar Mentor, 2010-present.
- Co-Chair, Earthweek Celebration at NC State University, *From Farm to Brick*, 2013.
- Advisor, NC State University Campus Farmers Market Student Club. 2009-present
- Advisory Board Member, Center for Environmental Farming Systems, 2007- present
- Community Engaged Faculty Fellow, 2011-present. *Mentor any NC State University faculty interested in community engagement and service learning with courses, share my resources.*
- Lead author on “A Vision for Sustainability in Academics, Research and Extension at NC STATE UNIVERSITY”, 2007.
- Member of the Crop Science Academic Advisory Committee, 2004-present.

STUDENT/RESEARCH ADVISING

Postdoctoral Researchers:

- John Eshleman, Appalachian Foodshed Project: Enhancing food security by cultivating resilient food systems and communities in Western NC, VA and WV, 2015-2016.

Graduate Students (Committee Chair):

- Clara Tang, M.S, Crop & Soil Science, 2016-present.
- Jacob Rutz, M.S, Crop & Soil Science, 2014-2017.
- Amanda McWhirt, Ph.D. Crop Science, 2012-2015, currently an Assistant Professor in Horticulture at the University of Arkansas.
- Angel Cruz, completed M.S, Crop Science 2014, currently in PhD program under my direction 2014-2017.
- Stephen Ratasky, completed M.S, Crop Science 2013, currently National Coast Guard.

- Joseph Owle, completed M.C.S in Crop Science 2013, currently working for Cooperative Extension in the Eastern Band of Cherokee Indians.
- John Beck, completed M.S in Crop Science 2012, currently working as an Extension Associate, North Carolina A&T State University.
- Ben Garland, completed M.S. in Crop Science in 2010, currently working for Soil and Water Conservation Program in CA.

Graduate Students (Committee Member):

- Andrew Smolski, Ph.D. Social Sciences, 2017-present.
- Molly Pershing, M.S. Soil Science, 2014-2016.
- Paul Adams, M.S. in Entomology, 2013-2016.
- Heather Glennon, completed Ph.D. in Crop Science, 2015.
- Laura Vance, completed Ph.D. in Crop Science 2014.
- Wendy Drake, completed M.S. in Crop Science 2012.
- Autumnne Lowe, completed M.S. in Agriculture Extension in 2012.
- Allison Cerulli, completed M.S. in Horticultural Science in 2007.
- Kathryn Bresaw completed M.S. in Agriculture Extension in 2007.

Undergraduate Students:

- Advise students in the Agroecology Concentration and Agroecology Minor Programs, 2004-present.
- Park Scholar Mentor to 4 students since 2010-present.
- I have advised and mentored 18+ undergraduate students in research projects many of which have received NC State Undergraduate Research Awards and presented their work at the NC State Undergraduate Research Symposium, 2004-present

LANGUAGE SKILLS

Spanish speaking and reading fluency