

DIEGO BARCELLOS

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Current Address:

3111 Miller Plant Sc., University of Georgia
Athens, GA, USA, 30602

Permanent Address:

Fazenda Fortaleza, Acioli
João Neiva, ES, Brazil, 296870-000

EDUCATION

University of Georgia

PhD in Soil Science (GPA 3.84/4.0)

Masters in Soil Science (GPA 3.85/4.0)

Athens, GA, USA

Jan 2014 to April 2018

Jan 2012 - Dec 2013

Singularity University (*Global Solutions Program*)

Sponsored by NASA & Google

A 10-week program to positively impact 1 billion people in the next 10 years using exponential technologies

NASA's Ames Research Center, Mountain View, CA, USA

June-August 2017

Colorado State University (*Summer Soil Institute*)

Two weeks of intense training in techniques/equipment for soil science (103 hours)

Fort Collins, CO, USA

July 2015

Universidade Federal de Viçosa (UFV), GPA 82/100

Bachelor in Agronomic Engineering (Agronomy)

Viçosa, MG, Brazil

March 2008 - Dec 2011

The University of Georgia, *Exchange Student*, GPA 3.86/4.0

Financed by CAPES (Brazilian Government)

Athens, GA, USA

Spring 2011

Universidade Federal de Ouro Preto (UFOP)

Studied Mining Engineering

Ouro Preto, MG, Brazil

March 2005 - Dec 2007

LANGUAGE SKILLS (Trilingual)

- English (full proficiency)
- Spanish (full proficiency)
- Portuguese (native speaker)
- French (beginner)

PROJECTS EXPERIENCE

PhD Project (Dr. Aaron Thompson, UGA)

Title: *Iron Oxides and Soil Carbon interactions in tropical and subtropical soils*

Athens, GA, USA

Jan 2014 - present

- Projects in two Critical Zone Observatories: Puerto Rico (Luquillo CZO) and South Carolina (Calhoun CZO)
- Conducted 3 laboratory experiments studying redox oscillations, iron and carbon dynamics in soils
- Characterized soil mineralogy (mainly Fe) by spectrophotometry, XRD, Mossbauer spectroscopy, selective extractions
- Measured elemental composition of soils by inductively coupled plasma mass spectrometry (ICP-MS)
- Analyzed gas samples (CO₂, CH₄, and N₂O) in Gas Chromatograph (GC).
- Characterized soil organic matter by synchrotron-based near-edge X-ray absorption fine structure spectroscopy
- Measured soil carbon and nitrogen in CHN Analyzer and TOC/TON Analyzer
- Conducted field experiments in Puerto Rico (2016) and South Carolina (2017) measuring pools of Fe and C in soil
- Measured soil moisture and redox potential (Eh) using sensors and dataloggers in both field experiments

Master's Project (Dr. Aaron Thompson & Dr. Larry Morris, UGA)

Title: *Phytoremediation of organic contaminated soils and water*

Athens, GA, USA

Jan 2012 - Dec 2013

- Evaluated phytoremediation using Eucalyptus and Pine trees in greenhouse & field studies
- Analyzed organic pollutants in the soil, water, and plants using Gas Chromatograph / Mass Spectrometry (GC/MS)
- Characterized soil's physical, chemical, and mineralogical properties in field study (South of Brazil)
- GIS analysis. Statistical analysis in R and SAS
- Researcher assistant in soil's projects

Guidelines of Harvesting Wood Biomass for Renewable Energy (Dr. Larry Morris, UGA)

• Weighed, grinded, and crushed samples for physical & chemical analysis

• Worked with spreadsheet data and statistical analysis

Athens, GA, USA

Feb 2011 - May 2011

Genesis and Characterization of Soils (Dr. João L. Lani, UFV) Viçosa, MG, Brazil
 March 2009 - Dec 2010

- Analyzed soil's physical, chemical, mineralogical characteristics
- Mapped, surveyed, and classified soils
- Worked with watershed planning, land capability, geomorphology, and water resources

Georeferencing of Closure Mines in Minas Gerais (Dr. Hernani Lima, UFOP) Ouro Preto, MG, Brazil
 March 2006 - March 2007

- Evaluated state of art of mine closure in Minas Gerais State (Brazil)
- Georeferenced closed mines using ArcGIS

TEACHING, TUTORING AND MENTORING EXPERIENCES

Graduate Teaching Assistant (University of Georgia): Athens, GA, USA

CRSS 4590 - Soil Fertility and Plant Nutrition (Dr. Miguel Cabrera) Aug - Dec 2016
 CRSS 4660 - Analytical Methods in Soils & Environmental Characterization (Dr. Aaron Thompson) Jan - May 2016
 CRSS 4670 - Environmental Soil Chemistry (Dr. Aaron Thompson) Jan - May 2015
 CRSS 3060 - Soils and Hydrology (Dr. William Miller) Jan - May 2014

- Taught, corrected essays, assignments, and exams. Assisted students' questions

Teaching/Educational Classes (University of Georgia)

GRSC 7770 – Introduction to University teaching and learning (3 crd.)
 GRSC 7800 – College Teaching (3 crd.)
 GRSC 7900 – Course Design (3 crd.)

Tutoring Programs:

Rural Administration (Univ. of Viçosa, MG, Brazil) Aug - Dec 2011
 Meteorology and Climatology (Univ. of Viçosa, MG, Brazil) Aug - Dec 2009
 English and Spanish in language school in Viçosa county, MG, Brazil Aug - Dec 2009
 General Chemistry (Univ. of Ouro Preto, MG, Brazil) Aug - Dec 2005

- Developed skills in teaching and answering students' questions

Mentoring (University of Georgia):

Emma Ardington: Assisted with laboratory extractions for iron and carbon content in soils Summer 2017
Rachel Earwood: Assisted in image processing of iron-rods to measure in-situ redox in soils Jan – May 2017
Elizabeth Osota: Assisted field project in Puerto Rico and conducted chemical extractions June 2016
Shannon Burns: Assisted laboratory experiment, conducted chemical extractions in soils Aug - Nov 2015

LEADERSHIP POSITIONS AND ACTIVITIES

- President - Agronomy Graduate Student Association - University of Georgia (2 terms) Aug 2014 - Aug 2016
- Emerging Leaders Program (3-day workshop). Grad School. University of Georgia Nov 2016
- Chairman - Poster Exhibition, Department of Crop and Soil Sc. Univ of Georgia. Athens, GA March 2016
- Chairman - Poster Exhibition, Department of Crop and Soil Sc. Univ of Georgia. Athens, GA April 2015
- Co-Chair – 4th Interdisciplinary Graduate Plant and Soil Symposium. Univ of Georgia. Athens, GA Nov 2015
- Co-Chair – 3rd Interdisciplinary Graduate Plant and Soil Symposium. Univ of Georgia. Athens, GA Nov 2014
- Awarded selected participant: Grad Student Leadership Conference, SSSA International Meeting Nov 2014
- Co-founder of student consultant group in Mining Engineering (UFOP, Brazil) March - Dec 2007

PUBLICATIONS

Publications in Refereed Journals:

- 1) Barcellos, D.; Morris, L.A.; Nzengung, V.; Moura, T.; Mantripragada, N.; and Thompson, A. (2016). *Eucalyptus urograndis* and *Pinus taeda* Enhance Removal of Chlorobenzene and Benzene in Contaminated Soils: A Greenhouse Study. *International Journal of Phytoremediation*, 18(10): 977-984
- 2) Silva Jr, C.A.; Moreira, E.P.; Frank, T.; Moreira, M.A.; Barcellos, D. (2014) Comparison of areas of soybean obtained through the interpretation of TM/Landsat and MODIS/Terra images in the municipality of Maracaju (MS, Brazil). *Bioscience Journal* (Uberlandia, Brazil), 30(2): 707-716.
- 3) Barcellos, D.; Cyle, T.K.; Thompson, A. Faster Redox Fluctuations Lead to Higher Iron Reduction Rates in Humid Forest Soils. *In review: Submitted to Environmental Science and Technology.*

- 4) Barcellos, D.; Lani, J.L.; Costa, L.M.; and Pacheco, A.A. Pedotubules in a Red Oxisol: Genesis, Morphological, Physical, Chemical, and Mineralogical Characteristics. *In review: Submitted to Brazilian Journal of Soil Science.*
- 5) Barcellos, D.; Silver, W., Pett-Ridge, J., Thompson, A. Iron reduction influenced by the length of oxic cycles in Puerto Rican soils during redox oscillations. *In prep.*
- 6) Barcellos, D.; Silver, W.; Thompson, A. Monitoring Hot Spots and Hot Moments of Redox, Iron Reduction, and Carbon Mineralization under field conditions in Puerto Rican Soils. *In prep.*
- 7) Thompson, A.; Barcellos, D.; Wilmoth, J.; Richter, D. Iron crystallinity increases down soil profile in redoxmorphic features at Calhoun CZO (South Carolina). *In prep.*

Thesis:

Barcellos, D. 2013. Phytoremediation of soil and groundwater contaminated by chlorobenzene and benzene using *Eucalyptus urograndis* and *Pinus taeda*. University of Georgia (Department of Crop and Soil Sciences). M.S. thesis, Athens, GA, USA. 89p.

Barcellos, D. 2011. Pedological characterization and genesis of the pedotubules/paleoworms (*In Portuguese*). Federal University of Viçosa (Department of Soil Science). Undergraduate thesis, Viçosa, MG, Brazil. 29p.

Abstracts published and presented in Conferences:

1. Barcellos, D., Silver, W., O'Connell, C., Thompson, A. Monitoring hot spots and hot moments for redox, iron and carbon cycling in Puerto Rican soils. In: Goldschmidt - Geochemical Conference. Paris, France. Aug 2017 (Poster)
2. Chen, C., Meile, C., Wilmoth, J., Barcellos, D., Thompson, A. Influence of pO₂ on Iron Cycling and Anaerobic Carbon Mineralization in Redox Dynamic Soils. In: Goldschmidt. Paris, France. Aug 2017 (Poster)
3. Barcellos, D., Silver, W., Thompson, A. Hot spots and hot moments for redox, iron and carbon cycling in soils across Luquillo and Calhoun CZOs. Meeting for Critical Zone Science. Arlington, VA. June 2017 (Poster)
4. Barcellos, D., et al., Thompson, A. Pattern of redox influences iron reduction and carbon dynamics in Puerto Rican soils. In: Plant and Soil Graduate Symposium (University of Georgia). Athens, GA. Nov 2016 (Oral Presentation)
5. Barcellos, D., Silver, W., Pett-Ridge, J., Thompson, A. Soil iron Reduction and C Mineralization in Reconstructed Aggregates in Redox Fluctuations. In: Goldschmidt - Geochemical Conference. Yokohama, Japan. June 2016 (Poster)
6. Barcellos, D.; Silver, W., Pett-Ridge, J., Thompson, A. Iron reduction and C dynamics during redox fluctuations in soil slurries from Puerto Rico. American Geophysical Union (AGU). San Francisco, CA, USA. Dec 2015 (Poster)
7. Barcellos, D.; Wilmoth, J.; Cyle, T.K.; Thompson, A. Iron reduction rates and carbon mineralization in a soil from Puerto Rico. In: Goldschmidt - Geochemical Conference. Prague, Czech Republic. August 2015 (Poster)
8. Thompson, A.; Barcellos, D.; Wilmoth, J.; Richter, D. Depth variation of soil iron crystallinity at the Calhoun Critical Zone Observatory. In: Goldschmidt - Geochemical Conference. Prague, Czech Republic. Aug 2015 (Oral)
9. Thompson, A.; Wilmoth, J.; Ginn, B.; Meile, C.; Barcellos, D. Timescales of soil redox oscillations and the role of iron in the critical zone. In: 249th American Chemical Society National Meeting. Denver, CO, USA. March 2015
10. Barcellos, D.; Kauffman, K.; Thompson, A. Pedogenic element distribution in soils from Guana Island, British Virgin Islands. In: Soil Science Society of America International Meeting. Long Beach, CA, USA. 2014 (Poster)
11. Barcellos, D.; Wilmoth, J.; Thompson, A. Redox fluctuations and C stability in a tropical soil from Puerto Rico. In: Plant and Soil Graduate Symposium (University of Georgia). Athens, GA, USA. Nov 2014 (Oral Presentation)
12. Wilmoth, J.; Barcellos, D.; Thompson, A. Conceptualizing iron valence transitions in redox dynamic soils with Mossbauer spectroscopy and ⁵⁷Fe tracing. In: Plant and Soil Graduate Symposium (University of Georgia). Athens, GA, USA. Nov 2014. (Oral Presentation)
13. Barcellos, D.; Wilmoth, J.; Thompson, A. Linkages between soil Fe reduction rates and the characteristics of redox fluctuations. In: Meeting for the Critical Zone Observatories (CZO). Merced, CA, USA. 2014. (Poster)
14. Wilmoth, J.; Barcellos, D.; Thompson, A. Oxygen flux rate controls net rates of microbial Fe(III) reduction in a redox-dynamic tropical soil. In: Meeting for Critical Zone Observatories (CZO). Merced, CA, USA. 2014. (Poster)

15. Barcellos, D.; Morris, L.A.; Moura, T.; Thompson, A. Evaluating *Eucalyptus* sp. trees exposed to chemical oxidation and their potential to phytoremediate organic solvents. In: Soil Science Society of America International Meeting. Tampa, FL, USA. 2013 (Oral Presentation)
16. Barcellos, D.; Morris, L.A.; Moura, T.; Thompson, A. Assessment of Phytoremediation of Soils Contaminated with Chlorobenzene at a Site in Brazil. In: Plant and Soil Symposium. Athens, GA, USA. September 2013 (Oral)
17. Barcellos, D.; Morris, L.A.; Moura, T.; Thompson, A. Phytoremediation of Soils Contaminated by Organic Solvents using *Pinus taeda* and *Eucalyptus urograndis* Trees (Greenhouse Study). In: Brazilian Soil Science Conference (Congresso Brasileiro de Ciência do Solo). Florianópolis, SC, Brazil. July 2013 (Poster)
18. Barcellos, D.; Morris, L.A.; Moura, T.; Thompson, A. Potential of *Eucalyptus urograndis* and *Pinus taeda* to Phytoremediate Soil and Water Contaminated by Benzene-based Compounds – Preliminary Results. In: Soil Society of Georgia Annual Meeting. Athens, GA, USA. February 2013 (Poster)
19. Morris, L.A.; Barcellos, D.; Thompson, A.; Moura, T. The Role of Trees in Wastewater Treatment and Site Remediation. In: 4th Amazon Green Materials Congress. Manaus, AM, Brazil. October 2012
20. Barcellos, D.; Morris, L.A.; Moura, T.; Thompson, A. Survivorship of *Pinus Taeda* Exposed to Benzene-Based Compounds: Preliminary Study to Support Phytoremediation Greenhouse Experiment. In: Soil Science Society of America International Meeting. Cincinnati, Ohio, USA. October 2012 (Poster)
21. Lani, J.L.; Barcellos, D.; Moreira, E.P.; Gomes, M.A. Identification of Landslides Risk Areas in Piranga County, Minas Gerais, Brazil. In: Soil Sc Society of America International Meeting. Cincinnati, Ohio, USA. 2012 (Poster)
22. Barcellos, D.; Lani, J.L. Genesis, Physical and Chemical Characteristics of Pedotubules (*published in Portuguese*). In: Academic Symposium of UFV. Viçosa, MG, Brazil. October 2011 (Poster & Oral Presentation)
23. Moreira, E.P.; Lani, J.L.; Barcellos, D.; Elliot, W.J. Model to estimate vegetation height using LiDAR sensor in Idaho, USA (*published in Portuguese*). In: Academic Symposium of UFV. Viçosa, MG, Brazil. Oct, 2011 (Poster)
24. Barcellos, D.; Reis, G.G.; Campos, S.; Lani, J.L. Fernandes, R.B.A. Plan for sustainable use of the lands in “Sítio da Equideocultura”, Viçosa, MG, Brazil (*published in Portuguese*). In: Brazilian Soil Science Conference (Congresso Brasileiro de Ciência do Solo). Uberlândia, MG, Brazil. August 2011 (Poster)
25. Barcellos, D.; Campos, S.; Reis, G.G.; Lani, J.L.; Morris, L. Use of soil classification and survey for management in Minas Gerais, Brazil. In: Soil Society of Georgia Annual Meeting. Athens, GA, USA. Feb 2011 (Poster)
26. Barcellos, D.; Reis, G.G.; Campos, S.; Fernandes, R.B.A. Land Capability for “Sítio da Equideocultura”, Viçosa, MG, Brazil (*published in Portuguese*). In: Minas Gerais Soils Symposium. Viçosa, MG, Brazil. Nov 2010 (Poster)
27. Barcellos, D.; Moreira, E.P.; Lani, J.L. Land Capability for “Assentamento Ouro Verde”, Muniz Freire/ES, Brazil (*published in Portuguese*). In: Academic Symposium of UFV. Viçosa, MG, Brazil. October 2010 (Poster)
28. Barcellos, D.; Figueiredo, N.A.; Moreira, E.P.; Lani, J.L. Soil Mapping and Classification for “Assentamento Rural Ouro Verde”, Muniz Freire, ES, Brazil (*published in Portuguese*). In: Fertbio (Brazilian Soil Meeting). Guarapari, ES, Brazil. September 2010 (Poster Presentation)
29. Barcellos, D.; Lima, H.M. Georeferencing of Mine Closure in Minas Gerais State, Brazil (*published in Portuguese*). In: Academic Symposium of UFOP. Ouro Preto, MG, Brazil. November 2007 (Oral Presentation)

Papers published in conference proceedings

Lima, H.M.; Cunha, M.F.; Barcellos, D. Mine Closure: The State of Art in Minas Gerais State. In: Mine Closure Seminar, 2007. Santiago, Chile. v.1. p. 400-411.

MEDIA AND PRESS:

1. “A Man of the Earth, Diego Barcellos's Journey as Farmer and Scientist.” In: University of Georgia Graduate School Magazine. Winter 2017. Featured in the cover and an 8-page article. Over 60,000 hard copies printed. <http://criticalzone.org/calhoun/news/story/diego-barcellos-featured-in-uga-graduate-school-magazine/>
2. “Where are they now? Diego Barcellos’s proposal won his acceptance to Singularity University.” In: University of Georgia Graduate School Magazine. Summer 2017 (digital version). <http://gradmag.uga.edu/where-are-they-now/>
3. “AMAZING STUDENT.” Featured in UGA webpage. June 2016. www.uga.edu/amazing/profile/barcellos-diego/

4. "Grad Student Travel Awards Enhance International Research Efforts". Press released from The University of Georgia *Columns*. October 03, 2016.
5. "Aproveitava toda folga que tinha para enfiar a cara nos livros, diz capixaba com PhD nos EUA" (*In Portuguese*). Newspaper of Espírito Santo State, Brazil (both printed and online versions). June 11, 2016.
<http://www.gazetaonline.com.br/conteudo/2016/06/noticias/cidades/3949828-aproveitava-toda-folga-que-tinha-para-enfiar-a-cara-nos-livros--diz-capixaba-com-phd-nos-eua.html>
6. "Ex-aluno da UFV é destaque em portal de universidade americana". (*In Portuguese*). Press released from the University of Viçosa (Brazil). June 06, 2016.
7. "MS Candidate Barcellos Conducts Research in Brazil". Newsletter, Office of Global Programs, College of Agriculture and Environmental Sciences. University of Georgia. Summer 2013.

HONORS, AWARDS, and OTHER ACTIVITIES

- Dissertation Completion Award: 1 year of scholarship provided by the Grad School, Univ. of Georgia. 2017-2018
- Departmental Nominee for 2017 E. Broadus Browne PhD Research Award Competition. Univ. of Georgia. 2017
- Graduate International Travel Award. College of Agriculture, University of Georgia. March 2016.
- 3rd place in poster presentation. Soil Science Society of Georgia Annual Meeting. Athens, GA, USA. Feb 2016
- 2nd place in oral Presentation. Warnell School of Forest Symposium, Univ. of Georgia. Athens, GA. Feb 2014
- Graduate International Travel Award. College of Agriculture, University of Georgia. April 2013.
- 1st place in poster presentation. Soil Science Society of Georgia Annual Meeting. Athens, GA, USA. Feb 2013.
- 3rd place in oral presentation. Plant and Soil Graduate Symposium at UGA. Athens, GA. September 2013.
- 2nd place in poster presentation. Soil Science Society of Georgia Annual Meeting. Athens, GA. February 2011
- Finalist (1 of 3) on the Singularity Univ. & Univ. of Georgia Award Competition (3 times). 2013, 2015, 2016
- CAPES Brazilian Gov't Scholarship to study in USA (2011): 1 of 3 selected among more than 150 applicants
- Academic achievement award 2007 (highest GPA of the Major for 2 semesters), UFOP. Ouro Preto, MG, Brazil.
- Played saxophone in hometown city band (1999 - 2010). João Neiva, ES, Brazil.
- Participation in University Catholic Prayer Group (2008 -2011). Viçosa, MG, Brazil.

RELEVANT COURSEWORK

Undergraduate (UFV): Soil Science (Soils' Genesis, Physics, Chemistry, Microbiology, Fertility, Classification, Survey, Management and Conservation). Hydraulics, Hydrology, Irrigation, Water Management, Meteorology, GIS, Rural Economics & Administration, Crop Science, Horticulture, Botany, Plant Physiology, Plant Pathology, Seeds, Silviculture, Animal Production, Entomology, Geology, Geomorphology, and Hydrogeology

Graduate (UGA): Soil Chemistry, Soil Physical-Chemistry, Advanced Soil Fertility, Soil Physics, Clay Mineralogy, Biogeochemistry, Pedology, Waste Site Remediation, Landtreatment, Advanced Seminar, Experimental Design (Statistics), Scientific Research, English Writing.

At Colorado State University: Soil organic matter chemistry and analysis (TOC, SEM, FTIR, UV-Vis), soil organic matter fractionation and stable isotopes, soil microbiology (qPCR, SIR, and enzyme assays), soil fauna, and soil trace gas analysis (field measurements and laboratory incubation). Including field trips in Colorado.

At Singularity University: Learned about exponential technologies - artificial intelligence & robotics, virtual reality, data science, digital biology and biotech, design, futures studies & forecasting, nanotechnology and computing systems. Entrepreneur training to solve global grand challenges - food, environment, energy, water, shelter, space, disaster resilience, governance, health, learning, prosperity, and security.

INTERNSHIP EXPERIENCE

NewFields: Environmental Consulting Company Atlanta, GA, USA
 • Worked on reports with projects from Brazil, involving remediation of contaminated sites May - July 2011
 • GIS analysis and map production for reports. Database management
 • Translation of reports from English to Portuguese, Portuguese to English, and English to Spanish

Extrema County Ecosystem Services Project Extrema, MG, Brazil
 • Worked in Watershed Ecosystem Services Project. Interaction with farmers July 2010

Extension Program in Coffee Crop Production at Minas Gerais State	Viçosa, MG, Brazil
<ul style="list-style-type: none"> • Worked with all coffee crop production chain • Interacted with farmers and provided information about new technologies 	March - Dec 2009
Irriger: Irrigation Management & Engineering Company	Unai/MG & Cristalina/GO, Brazil
<ul style="list-style-type: none"> • Managed Irrigation for several crops in the Region of Cerrado • Diagnosed and planned energy use by central Pivot. Checked soil moisture 	July - August 2009
IEMA (Environmental Institute of Espírito Santo State)	Castelo & Vitória, ES, Brazil
<ul style="list-style-type: none"> • Working in the management plan for 2 state forest parks 	Dec 2008 - Feb 2009
Junior Consulting Company of Mining Engineering at UFOP	Ouro Preto, MG, Brazil
<ul style="list-style-type: none"> • Co-founder and first director of projects 	March - Dec 2007
Coffee & Cattle Family's Farm	João Neiva, ES, Brazil
<ul style="list-style-type: none"> • Managed and worked in a coffee and cattle production systems • Supervised a group of 30 employees in coffee harvesting 	School Vacations and Weekends (1998 - 2006)

CONFERENCES ATTENDED

1. Goldschmidt – Geochemistry Conference. Paris, France. August 2017
2. Goldschmidt – Geochemistry Conference. Yokohama, Japan. June 2016
3. Soil Science Society of Georgia Annual Meeting. Athens, GA. Feb 2016
4. American Geophysical Union Meeting. San Francisco, CA. December 2015
5. Goldschmidt – Geochemistry Conference. Prague, Czech Republic. August 2015
6. Southeastern Biogeochemistry Symposium. Georgia Institute of Technology, Atlanta, GA. March 2015
7. Soil Science Society of America International Meeting. Long Beach, CA. Nov 2014
8. Plant and Soil Graduate Symposium (University of Georgia). Athens, GA. Nov 2014
9. All Hands Meeting - Critical Zone Observatories (CZO) network. Merced, CA. Sept 2014
10. Luquillo Critical Zone Observatory (CZO) workshop. Puerto Rico. May 2014
11. Soil Science Society of America International Meeting. Tampa, FL. Nov 2013
12. Plant and Soil Graduate Symposium (University of Georgia). Athens, GA. Sept 2013
13. Brazilian Soil Science Conference (Congresso Brasileiro de Ciência do Solo). Florianópolis, SC, Brazil. July 2013
14. Soil Science Society of Georgia Annual Meeting. Athens, GA. Feb 2013
15. Soil Science Society of America International Meeting. Cincinnati, OH. Oct 2012
16. Brazilian Soil Science Conference (Congresso Brasileiro de Ciência do Solo). Uberlândia, MG, Brazil. Aug 2011
17. Soil Science Society of Georgia Annual Meeting. Athens, GA. Feb 2011
18. International Symposium on food security and poverty reduction. Viçosa, MG, Brazil. Nov 2011
19. Minas Gerais State Soil Symposium (Simpósio Mineiro de Ciência do Solo). Viçosa, MG, Brazil. Nov 2010
20. Brazilian Soil Science Meeting (Fertbio). Guarapari, ES, Brazil. Sept 2010
21. 3 Consecutive Annual Research Conferences at University of Viçosa, MG, Brazil. Oct 2008, Oct 2009, Oct 2010
22. Coffee Production Conference. Viçosa, MG, Brazil. Oct 2009
23. 22° Agribusiness for Exportation Seminar. Viçosa, MG, Brazil. April 2009
24. Ethanol Seminar. Viçosa, MG, Brazil. June 2008
25. Academic Symposium in Agronomy. Viçosa, MG, Brazil. Nov 2008
26. Additional 12 conferences related to soils, agronomy, environment, and water resources

SOCIETY MEMBERSHIP

- | | |
|---|----------------|
| • Soil Science Society of America | 2012 - Present |
| • Agronomy Society of America | 2012 – Present |
| • American Geophysical Union | 2015 – Present |
| • European Association of Geochemistry | 2015 – Present |
| • Soil Science Society of Georgia | 2011 - Present |
| • Brazilian Soil Science Society | 2010 - Present |
| • Agronomy Graduate Student Association - University of Georgia | 2013 – Present |
| • Brazilian Student Association - University of Georgia | 2011 – Present |

REFERENCES: Available upon request.

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