

CURRICULUM VITAE

PLAXEDES T. CHITIYO

E-mail: p_chitiyo@uncg.edu; ptchitiyo@yahoo.com

EDUCATION

Institution	Degree, Year Earned
Southern Illinois University Dissertation: Assessing Policy and Institutional Change's Influence on Alternative Agriculture in Zimbabwe Since 1980	Ph.D. Environmental Resources & Policy, 2014
Tennessee Technological University Thesis: Simazine Removal using Sphagnum Peat moss in Mesocosms Simulating Subsurface wetlands	MS., Biology, 2006
Africa University (Zimbabwe)	BSc. Agriculture and Natural Resources Management, 2001

PROFESSIONAL EXPERIENCE

Institution	Position	Dates
University of North Carolina at Greensboro	Lecturer	08/01-present
Duquesne University Center for Environmental Research and Education	Assistant Professor and Internship Coordinator	08/18-07/20

Courses taught

Duquesne University

Foundations of Energy and the Environment (UCOR 126)
Environmental Justice (AFST 323/ENVI 323)
Environmental Justice (AFST 323/ENVI 323) Study abroad summer Maymester in Tanzania (2018)
Environmental Policy and Politics (ENVI 544)
Plant Biodiversity (ENVI 502)
Sustainable Agriculture (ENVI 503)
Introduction to Africa Studies (AFST 150)
Introduction to Global Health (co-taught with 12 other professors) (GLBH 150)

Duquesne University Center for Environmental Research and Education	Visiting Assistant Professor and Internship Coordinator	01/17-06/18
Duquesne University Center for Environmental Research and Education	Visiting Assistant Professor	07/16-06/18

Southern Illinois University Department of Geography and Environmental Resources	Instructor	08/12-05/13
Southern Illinois University Department of Geography and Environmental Resources	Teaching Assistant	01/12-05/12
Southern Illinois University Department of Geography and Environmental Resources	Instructor	08/11-12/11
Southern Illinois University Department of Geography and Environmental Resources	Teaching Assistant	08/10-05/11
Southern Illinois University Department of Plant Biology	Graduate Research Assistant	08/07-05/08
Southern Illinois University Department of Plant Biology	Research Technician	05/07-08/07
Tennessee Technological University Department of Biology	Graduate Research Assistant	08/04-05/06
Plan International Harare, Zimbabwe	Community Dev. Coordinator	06/02-02/04
Plan International Harare, Zimbabwe	Research Intern	02/02-03/02
Environment Africa, Zimbabwe	Volunteer	08/01-04/02
Dangamvura High School, Zimbabwe	Math Teacher	05/98-08/98
Mavhudzi Secondary School, Zimbabwe	Math Teacher	04/97-07/97

CERTIFICATES

Certificate in Permaculture, Chikukwa Training Centre, Chimanimani, Zimbabwe (October 2003).

GRANTS

Grant name: Paluse Grant

David Kahler PI, **Plaxedes T. Chitiyo**, Benjamin Goldschmidt CO PIs

Name of Funding Organization: Duquesne University)

Amount Awarded: \$4,500

Period of Grant Award: May 2018-May 2019

Title of Project: Water security as an issue of social justice in Tanzania

UNDERGRADUATE RESEARCH ADVISEMENT AND MENTOR

Kacie Kava (May 26 -July 31, 2020). Summer Undergraduate Research at Duquesne. Sustainable farming practices and marketing Strategies for growing and selling produce on a mixed livestock farm.

Kristen Roth (April 2020). Regenerative landscaping: An urban garden for storm water management at Duquesne University. Undergraduate Honor's Thesis. (Thesis advisor: Plaxedes Chitiyo).

Pure thirst research student group (students from environmental science, biomedical engineering, nursing) conducting research in Olkokola Tanzania on improving access to clean water in Olkokola Tanzania (May 2018-Spring 2020).

Kristen Roth (May 27- 31 2019). Urban gardening techniques employed by Phipps Conservatory's Homegrown program to maximize food security and biodiversity. Paper presentation at Duquesne University Undergraduate Summer Research Symposium, Pittsburgh PA.

Kelsey Coates (2017, July). GIS Mapping of open spaces for community garden development in Pittsburgh's Low-Income Neighborhoods. Poster presented at Duquesne University Undergraduate Summer Research Symposium, Pittsburgh

GRADUATE STUDENT RESEARCH COMMITTEE

Elizabeth Cochran (May 2019) The effects of constructed wetlands on acid mine drainage. MSc. Environmental Science and Management.

PROFESSIONAL AFFILIATIONS

Member: Pittsburgh Food Policy Council

Member: Black Environmental Collective Pittsburgh

Member: American Association of Geographers

Member: Black Urban Gardeners of Pittsburgh

Member: Pennsylvania Women's Agricultural Network

Urban Agriculture / Immigrant & Refugee Working Group Pittsburgh PA

Pennsylvania Association of Sustainable Agriculture

Reviewer: Journal of Renewable Agriculture and Food Systems (2015).

Member: Southern Illinois Farming Network (May 2012- May 2013).

RESEARCH PUBLICATIONS

Chitiyo P.T., M. Badjie, K. Lamberto and L. Valentine (In progress). Evaluation and analysis of the food action plan process: Lessons from Pittsburgh, Pennsylvania. To be submitted to *Journal of Sustainable Agriculture and Food Systems*

Chitiyo, P.T., J. Harsh, K. Coates, and A. Bachtlin. Classification of community gardens in Allegheny County (In progress). To be submitted to *Pennsylvania Geographer*.

Chitiyo, P.T. and L. Duram (2019). The role of Non-Governmental Organizations in addressing agricultural challenges through certified organic agriculture in developing countries: A Zimbabwe Case Study. *Journal of Sustainable Development in Africa*, 21(3): 138-157.

Butaumocho, B. and **Chitiyo, P.T.** (2017). A Comparative analysis of household food security measures in rural Zimbabwe. *International Journal of Food and Agricultural Economics*, 5(2): 41-58

Chitiyo, P. T. and L. Duram. (2017). Characteristics of alternative agriculture in Zimbabwe. *International Journal of Geography and Earth Sciences*, 5(1): 41-49.

BOOK REVIEWS

Chitiyo, P.T. (2019). Book Review. Environmental Studies, Policy, and Politics. Todd Eisenstadt and Stephen MacAvoy. Oxford University Press.

Chitiyo, P.T. (2017). The Invention of Nature: Alexander Von Humboldt's New World. *The Pennsylvania Geographer*, 55(1): 60-61.

Chitiyo, Plaxedes. *February 26 is CSA day (blog)*. *Pennsylvania Buy Fresh Buy Local*. 1 February 2016. <http://buylocalpa.org/blog/csa-day-2016/>

TECHNICAL REPORTS

The Greater Pittsburgh Food Action Plan (In progress)

RESEARCH PRESENTATIONS

Kava, K. and **P.T. Chitiyo** (2020). Sustainable farming practices and marketing strategies for growing and selling produce on a mixed livestock farm. Paper presentation at the Duquesne Undergraduate Research Program (July 31, 2020)

Bachtlin, A., Coates K., and **P.T. Chitiyo**. (2020). Spatial distribution of school community gardens in Allegheny County. Paper presentation at the Duquesne Undergraduate Research and Scholarship Symposium April 2020

Chitiyo, P.T. (February, 2020). Seeking connections with nature through community gardens. Paper presentation at the Phipps Conservatory Biophilia Symposium Pittsburgh Pennsylvania (February 19-20, 2020).

Chitiyo, P.T., J. Harsh, K. Coates and A. Bachtlin (November, 2019). Classification of community gardens in Allegheny County. Paper presentation at the Pennsylvania Geographer Annual Conference, Pittsburgh Pennsylvania (November 9, 2019).

Roth, K and **Chitiyo P.T.** (July 2019). Urban gardening techniques employed by Phipps Conservatory's Homegrown program to maximize food security and biodiversity. Paper presentation at Duquesne University Undergraduate Summer Research Symposium, Pittsburgh PA.

Chitiyo, P.T. (April, 2018) Green space assessment for community garden expansion in low-income neighborhoods of Pittsburgh. Poster presentation at American Association of Geographers Annual Conference, New Orleans (April 10-18)

Coates, K., Manley, L. **Chitiyo, P.T.**, and Stolz, J. (2017). GIS Mapping of open spaces for community garden development in Pittsburgh's Low-Income Neighborhoods. Poster presented at Annual Biomedical Research Conference for Minority Students, Phoenix, Arizona (November 1-4, 2017)

Coates, K., Manley, L. **Chitiyo, P.T.**, and Stolz, J. (2017, July). GIS Mapping of open spaces for community garden development in Pittsburgh's Low-Income Neighborhoods. Poster presented at Duquesne University Undergraduate Summer Research Symposium, Pittsburgh PA.

Chitiyo, P.T. and Duram L. (2016, November). The key characteristics of alternative agriculture in Zimbabwe. Paper presented at the Middle States Division of Association of American Geographers annual meeting Altoona, PA (November 4-5).

Makweche, P. T. (2011, November). Assessing the Contribution of Organic Farming to Food Security in Africa. Paper presented at the conference of the Association of American Geographers, at West Lakes Region De Paul University, Chicago, Illinois. (November 10-12 2011).

Makweche, P. T., Paudel, S., Looft, J., Schmale, G. D., Ernat, D. R. & Battaglia, L. L. (2008, May). Fire suppression effects on a coastal floating marsh ecosystem. Paper presented at the annual meeting of the Society for Wetland Scientists Washington, DC (May 27- 30 2008).

Makweche, P. T., & Battaglia, L. L. (2008, April). Fire suppression effects on a coastal ecosystem floating marsh. Paper presented at the Illinois State Academy of Science in Urbana, Champaign, IL. (April 4-5 2008).

Stearman, G. K., George, D. B., & **Makweche, P.T.**, (2007 April). Simazine Removal Using Peat Moss Comparing Batch Adsorption and Field Studies. Paper presented at the 17th Tennessee Water Resources Symposium Montgomery State Park, Burns Tennessee (17-19 April 2007)

Stearman, K. G., **Makweche, P. T.**, & George, D. (2006, November). Simazine removal comparing peat moss and gravel in Mesocosms. Paper presented at the International Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America 2006 International Meetings in Indianapolis, IN (November 12-16 2006).

SERVICE ON DUQUESNE CAMPUS AND COMMUNITY

1. Admissions committee member for Center for Environmental Research and Education (Fall 2016-June 2020).
2. Undergraduate and Graduate Internship and Capstone Coordinator (Fall 2016-June 2020)
3. Participated in Pittsburgh Climate Action workshops that culminated with the Climate Action Plan 3.0 for the City of Pittsburgh (Fall, 2016).
4. Discussion leader at Phipps Conservatory after screening of environmental film on "Sacred Cod" - Collapse of New England Cod Fishing Industry (March 16, 2018).
5. Interim research chair for the Black Environmental Collective, whose mission "is to empower people of the African Diaspora to better understand and act on natural and manmade environmental risks, threats, and hazards to our health, safety, property, and climate" (Spring 2018).
6. Expert panel on **Agriculture and Sustainability** in the Phipps Conservatory Earth exhibit (July 2018)
7. Expert panelist at Youth Green jobs career session for high school and undergraduate student internship hosted by Phipps Conservatory in July 2019.
8. Expert Panelist at Homewood Youth Career Panel hosted by Pennsylvania Women in Agriculture and Grow Pittsburgh in December 2019.
9. Steering committee for the Greater Pittsburgh Food Action Plan Committee (Spring 2019-Spring 2020)
10. Panelist at book discussion at Duquesne Campus on Lab Girl by Hope Jaren representing Women in Science at Duquesne University (February 2020).
11. Board Member: Center for African Studies (Fall 2019-Summer 2020).
12. Facilitated and recruited garden volunteer days for local community gardens i.e. Black Urban Gardeners of Pittsburgh (Homewood), Project Love Coalition (community garden that supports veterans), White Hall Peace Community Garden (serves Bhutanese Refugees), Thelma Lovette YMCA rooftop garden (serves after school elementary school children), Duquesne Heights Victory Community garden, Ball Field Farms.
13. Advisory committee for a student-run research project in Olkokola Tanzania. Students are recruited from nursing, biomedical engineering, environmental science and design their project. Community engaged research project (2017-2020).
14. Outreach for community engaged research with neighboring community gardens in Pittsburgh.
15. Organized and invited speakers for the monthly EnviroBytes seminar at the Center for Environmental Research and Education and in Fall 2018 facilitated collaboration with Center for African Studies and had a speaker from Ghana give a talk on electronic waste in Agbogbloshie Ghana