

BRONWEN POWELL

Assistant Professor of Geography, African Studies and Anthropology, Penn State University

302 Walker Building, University Park, PA, 16801, USA

Email: bronwen.powell@hotmail.ca or bxp15@psu.edu

EDUCATION:

Doctor of Philosophy. School of Dietetics and Human Nutrition, McGill University, Montreal, Canada **2012**

In the Centre for Indigenous Peoples' Nutrition and Environment (CINE)

Thesis: *Biodiversity and human nutrition in a landscape mosaic of farms and forests in the East Usambara Mountains, Tanzania*

Committee: Dr. T Johns (supervisor), Dr. HV Kuhnlein and Dr. K Gray-Donald, Dr. M Oluoch, P Maundu

Masters of Science. Ethnobotany, Department of Anthropology, University of Kent, Canterbury, England **2004**

Thesis: *Dietary patterns, the nutrition transition and agricultural diversity in Morocco*

Committee: Dr. G Martin, Dr. R Ellen, Dr. M Cherkaoui, R McBurney

Bachelor of Science. Biology (specialization in Botany and Nutrition), University of Guelph, Canada **2003**

Dean's Honour List (highest distinction)

RESEARCH RELATED WORK EXPERIENCE:

Research Associate, Centre for International Forestry Research, Indonesia 2018 - ongoing

Assistant Professor of Geography and African Studies, Pennsylvania State University, USA 2016 - ongoing

Postdoctoral Fellow and Consultant, Centre for International Forestry Research, Indonesia 2012-2015

Research Fellow, Bioversity International, Nairobi, Kenya 2008-2010

Visiting Student Researcher, the World Vegetable Center, Arusha Tanzania 2008-2009

IPGRI (now Bioversity International) Postgraduate Fellow, Morocco 2004-2005

JOURNAL ARTICLES:

Summary: I have 19 peer reviewed journal articles and over 30 academic publications. Google Scholar lists over 800 citations of my work and an H-index= 16.

1. Reyes-García, V, **B Powell**, I Díaz-Reviriego, Á Fernández-Llamazares, S Gallois, S& M Gueze. 2019. Dietary transitions among three contemporary hunter-gatherers across the tropics. *Food Security* 11(1): online.
2. Ickowitz, A, **B Powell**, D Rowland, A Jones & T Sunderland. 2018. Agricultural intensification, dietary diversity, and markets in the global food security narrative. *Global Food Security* 20: online.
3. **Powell, B**, R Bezner Kerr, SL Young & T Johns. 2017. The determinants of dietary diversity and nutrition: ethnonutrition knowledge of local people in the East Usambara Mountains, Tanzania. *Journal of Ethnobiology and Ethnomedicine*, 13(1), 23.
4. Hama-Ba, F, **B Powell**, A Ickowitz, N Sibiri, P Maundu, & B Diawara. 2017. Micronutrient content of wild vegetable species harvested in forested and non-forested areas in Southwest Burkina Faso. *Forest Research*, 6(3).
5. Ouarghidi, A, **B Powell**, GJ Martin & A Abbad. 2017. Traditional sustainable harvesting knowledge and distribution of a vulnerable wild medicinal root (*A. pyrethrum* var. *pyrethrum*) in Ait M'hamed Valley, Morocco. *Economic Botany*, 71(1), 83-95.

6. Rowland, D, A Ickowitz, **B Powell**, R Nasi and T Sunderland. 2016. Contributions of forest foods to meeting recommendations for dietary intakes: A multi-country case study analysis. *Environmental Conservation*, 44 (2), 102-114.
7. Ickowitz, A, D Rowland, **B Powell**, MA Salim and T Sunderland. 2016. The effect of tree cover on child nutrition in Indonesia: Examining the relationship between tree cover and consumption of micronutrient-rich foods. *PLOS One*, 11(5), e0154139.
8. **Powell, B**, S Haraksingh Thilsted, A Ickowitz, C Termote, T Sunderland and A Herforth. 2015. Improving diets with wild and cultivated biodiversity from across the landscape. *Food Security* 7(3): 535-554.
9. Rowland, D, RR Blackie, **B Powell**, H Djoudi, E Vergles, B Vinceti and A. Ickowitz. 2015. The role of dry forests in food security: A review. *International Forestry Review* 17(S2):45-53.
10. **Powell, B**, A Ouarghidi, T Johns, M Ibn Tattou and P Eyzaguirre 2014. Wild leafy vegetable use and knowledge across multiple sites in Morocco: a case study for transmission of local knowledge? *Journal of Ethnobiology and Ethnomedicine*, 10: 34.
11. Ickowitz, A, **B Powell**, MA Salim, and T Sunderland. 2014. Dietary quality and tree cover in Africa. *Global Environmental Change*, 24:287-294.
12. Vinceti, B, A Ickowitz, **B Powell**, K Kehlenbeck, C Termote, B Cogill and D Hunter. 2013. The contributions of forest foods to sustainable diets. *Unasylva* 241: 64.
13. **Powell, B**, P Maundu, HV Kuhnlein and T Johns. 2013. Wild Foods from farm and forest in the East Usambara Mountains, Tanzania. *Ecology of Food and Nutrition*. *Ecology of Food and Nutrition*, 52:6, 451-478.
14. Ouarghidi, A, GJ Martin, **B Powell**, G Esser, A Abbad. 2013. Botanical identification of medicinal roots collected and traded in Morocco and comparison to the existing literature. *Journal of Ethnobiology and Ethnomedicine*, 9:59.
15. Johns, T, **B Powell**, P Maundu, P Eyzaguirre. 2013. Agricultural biodiversity as a link between traditional food systems and contemporary development, social integrity and ecological health. *Journal of the Science of Food and Agriculture*, 93(14):3433-42.
16. Ouarghidi, A, **B Powell**, G Martin and A Abbad. 2012. Species substitution in medicinal roots and possible implications for toxicity of herbal remedies in Morocco. *Economic Botany*, 66(4): 370-382.
17. Arnold, M, **B Powell**, P Shanley, and T Sunderland. 2011. Human health, food security and forests (Editorial for a Special Issue). *International Forestry Review* 13(3): 259-264.
18. **Powell, B**, J Hall, H and T Johns. 2011. Effects of forest cover and use on dietary intake in the East Usambara Mountains, Tanzania. *International Forestry Review* 13(3):305-317.
19. Wan, M, CJP Colfer and **B Powell**. 2011. Forests, women and health: opportunities and challenges for conservation. *International Forestry Review*, 13(3):360-387.

PUBLICATIONS IN PREPARATION:

- Rasmussen et al. (**B Powell**, 7th co-author of 12) (submitted) Forest pattern, not just amount, influences dietary quality in five African countries (to *Nature Sustainability*, Nov 2018)
- Tata, CY, A Ickowitz, **B Powell**, and EK Colecraft. (submitted) Comparative assessment of diet and anemia prevalence among women living near and far from forests in Southwest Cameroon. (to *PLoS One*, Sept 2018)
- Powell, B**, MA Wolde, H Kassa, A Ickowitz. (in preparation). The political ecology of changing Indigenous food systems (to be submitted to *Human Ecology*, Dec 2018)
- Powell, B**, A Ickowitz, H Some, M Zida (in preparation) Traditional land-uses and their importance for nutrition-sensitive food systems in a semi-arid, mixed forest and farm landscape in Burkina Faso.
- Powell, B**, F Hama-Ba, A Ickowitz. (in preparation). Foodsheds, dietary choice and access to fruits, vegetables and wild foods (to be submitted to *Food Security*)
- Powell, B**, ZA Goldberg, MM Lombardi, Y Hong. (in preparation). Review of Cultural Preferences for Slimy and Bitter Vegetables among East African Ethnic Groups

BOOK CHAPTERS:

20. Herforth, A, T Johns, HM Creed-Kanashiro, AD Jones, CK Khoury, T Lang, P Maundu, **B Powell**, V Reyes-García. (in press for late 2018/ early 2019). Feeding the World: Diversity matters for food and health: More of the same will result in more of the same, In: *Agrobiodiversity in the 21st Century: Foundations and Integration for Sustainability*, (Eds) K Zimmerer and S de Haan, Ernst Strüngmann Forum, Frankfurt.
21. Kennedy, G, K Baye, B Powell and A Bailey. 2018. Connecting diverse diets with production systems: measures and approaches for improved food and nutrition security. In: *Encyclopedia of Food Security and Sustainability*, (Eds) P Ferranti, E Berry and JR Anderson, Elsevier Science.
22. Hansen, L, J Innes, **B Powell**, J Bulkan, S Gergel and I Eddy. 2016. Historical drivers of landscape and dietary change in an agricultural frontier Bosawas Biosphere Reserve, Siuna, Nicaragua. In: Deakin, E. L., Kshatriya, M., & Sunderland, T. C. H. (eds). *Agrarian change in tropical landscapes*. Center for International Forestry Research (CIFOR), Bogor, Indonesia.
23. **Powell, B**, J Watts, A Boucard, Z Urech, L Feintrenie, E Lyimo, S Asaha and J Sunderland-Groves. 2010. The role of Wild Species in Local Governance of tropical forested landscapes, Chapter 7. In: *Collaborative Governance of Tropical Landscapes* by Carol Colfer and JL Pfund (eds.), Earthscan, London.

EXPERT and BACKGROUND PAPERS, REPORTS and OTHER NON-PEER REVIEWED:

24. HLPE. 2017. Sustainable forestry for food security and nutrition, High Level Panel of Experts Report to the Committee on World Food Security of the UN. Rome, Italy.
25. Jamnadass, R, S McMullin, M Iiyama, IK Dawson, **B Powell**, C Termote, A Ickowitz, K Kehlenbeck, B Vinceti, N van Vliet, G Keding, B Stadlmayr, P Van Damme, S Carsan, T Sunderland, M Njenga, A Gyau, P Cerutti, J Schure, C Kouame, B Obiri, D Ofori, B Agarwal, H Neufeldt, A Degrande and A Serban. 2015. Understanding the roles of forests and tree-based systems in food provision. In: B Vira, C Wildburger & S Mansourian (eds.), *Forests, Trees and Landscapes for Food Security and Nutrition. A Global Assessment Report*. IUFRO World Series Volume 33. p. 25-50.
26. Parrotta, JA, J Dey de Pryck, B Obiri, C Padoch, **B Powell**, C Sandbrook, B Agarwal, A Ickowitz, K Jeary, A Serban, T Sunderland and T Nam Tu. 2015. The historical, environmental and socio-economic context of forests and tree-based systems for food security and nutrition. In: B Vira, C Wildburger & S Mansourian (eds.), *Forests, Trees and Landscapes for Food Security and Nutrition. A Global Assessment Report*. IUFRO World Series Volume 33. p. 51-86.
27. Sunderland, T, F Baudron, A Ickowitz, C Padoch, M Ros-Tonen, C Sandbrook, B Vira, J Chambers, E Deakin, S Foli, K Jeary,, JA Parrotta, **B Powell**, J Reed, S Ogalleh, H Neufeldt and A Serban. 2015. Response Options Across the Landscape. In: Bhaskar Vira, Christoph Wildburger & Stephanie Mansourian (eds.), *Forests, Trees and Landscapes for Food Security and Nutrition. A Global Assessment Report*. IUFRO World Series Volume 33. p. 113-128.
28. Neufeldt, H, P Pacheco, H Ojha, S Ogalleh, J Donovan, L Fuchs, D Kleinschmit, P Kristjanson, G Kowero, V Oeba and **B Powell**. 2015. Public Sector, Private Sector and Socio-Cultural Response Options. In: Bhaskar Vira, Christoph Wildburger & Stephanie Mansourian (eds.), *Forests, Trees and Landscapes for Food Security and Nutrition. A Global Assessment Report*. IUFRO World Series Volume 33. p. 129-152.
29. **Powell, B**, A Ickowitz, S McMullin, R Jamnadass, C Padoch, M Pinedo-Vasquez, T Sunderland. 2013. The role of forests, trees and wild biodiversity for improved nutrition-sensitivity of food and agriculture systems. Expert background paper for the International Conference on Nutrition 2, FAO, Rome, Italy.
30. Vinceti, B, A Ickowitz, **B Powell**, K Kehlenbeck, C Termote, B Cogill, D Hunter. 2013. The Contribution of Forests and Trees to Sustainable Diets. Background paper, FAO Forests for Food Security and Nutrition, May 13-15th 2013, FAO, Rome, Italy.
31. FAO 2013. Forests, food security and gender: linkages, disparities, priorities for action. Background paper, FAO Forests for Food Security and Nutrition, May 13-15, 2013, FAO, Rome, Italy.
32. Sunderland, T, **B Powell, B**, A Ickowitz, S Foli, M Pinedo-Vasquez, R Nasi and C Padoch. 2013 Food security

- and nutrition: The role of forests. Discussion Paper. CIFOR, Bogor, Indonesia.
33. **Powell, B.** 2012. Mlo na Lishe Bora kwa Milima ya Usambara Mashariki. Info Brief (in Swahili) returned to Government Officials and communities in the East Usambara Mountains, November 2012.
 34. **Powell, B.** 2012. Lishe bora na mazingira katika Milima ya Usambara Mashariki. Info Brief (in Swahili) returned to Government Officials and communities in the East Usambara Mountains, November 2012.
 35. Rantala, S, E Lyimo, **B Powell**, A Kitalyi and H Vihemäki. 2011. Challenges and opportunities for collaborative landscape governance in the East Usambara Mountains, Tanzania. ICRAF & CIFOR Working Paper, Nairobi & Bogor.

SELECT PRESENTATIONS:

- Powell, B.** 2018. Agricultural Intensification and Landscape Change and Diet Quality. Invited talk at University of Denver, Department of Geography Oct 18th, 2018.
- Powell, B.** 2018. Associations between dietary quality, biodiversity and landscape structure in the Eastern Arc Mountains, 55th meeting of the Association of Tropical Biology and Conservation, Kuching, Malaysia, July 3, 2018.
- Powell, B.** 2017. Ensuring Diet Quality and Nutrition in the Face of Agricultural Intensification and Landscape Change Across Africa. Invited talk at Exploring African Agricultural Futures, Minneapolis, Minnesota, November 10, 2017.
- Powell, B.** 2017. Traditional African Vegetable Use and Ethnic Identity, The Pennsylvania Agricultural College (PAC) Herbarium Workshops, November 2, 2017.
- Ickowitz, A, **B Powell**. 2017. Contributions of Forests to Diets: Emerging Evidence, United States Agency for International Development (USAID) Research Symposium, Washington, D.C., October 4, 2017.
- Powell, B.** 2017. The Evolving Global Nutrition Situation: Why Forests and Trees Matter. Oral Presentation to the United Nations Forum on Forests, May 1-5, 2015, UNHQ, NYC, USA
- Powell, B.** 2017. Discussant: The Broader Impacts of our Research. Panel organized by SWIG (Supporting Women in Geography), American Association of Geographers, , April 5-9, 2017, Boston, USA.
- Powell, B**, M Admasu Wolde, N Kerker. 2017. The fragile traditional Gumuz food system: environmental policy and adaptation in a marginalized Ethiopian ethnic group. Oral Presentation at the annual meeting of the American Association of Geographers, April 5-9, 2017, Boston, USA.
- Ouarghidi, A and **B Powell**. 2017. One-day Workshop on Indigenous Knowledge. In partnership with the ICIK and Office of International Programs, College of Agricultural Sciences, Penn State University, Feb 25th, 2017
- Ouarghidi, A and **B Powell**. 2017. Studying African Indigenous Knowledge for Improved Health and Biodiversity Conservation. Invited talk for ICIK Seminar, Feb 15th, 2017.
- Powell, B**, J Igoe and D L. Hodgson, S Moiko, A Ouarghidi, M Admasu Wolde and N Kerker Kumssa. 2016. Indigeneity in Africa: Securing Food Security for Marginalized Ethnic Groups? Invited talk for African Studies Open Seminar Series, Aug 31, 2016.
- Powell, B.** 2016. Ethnoecology of traditional Dagara land-uses (or land-use types), land use classification and importance for food security and nutrition. Oral presentation at the International Society of Ethnobiology meeting in Kampala, Uganda, Aug 1-7th 2016.
- Powell, B** and T Johns. 2015. Associations between dietary quality and biodiversity are dependent on indicators used. Poster presentation at the 2nd International Conference on Global Food Security, 11-14 October 2015, Ithaca, New York, USA
- Powell, B.** 2014. Discussant in "Healthy People, Resilient Systems." IFPRI 2020 conference on Building Resilience for Food and Nutrition Security, May 15-17, 2014, Addis Ababa, Ethiopia.
<https://www.youtube.com/watch?v=N7hLevduAPc>
- Powell, B**, A Ickowitz, R Jamnadass, S McMullin, R Nasi, C Padoch, M Pinedo-Vasquez, and T Sunderland. 2014. The role of Trees, Agroforests, and Forests in Nutrition-sensitive Food and Agriculture systems. Poster presentation at World Congress on Agroforestry, Feb 10-14th, 2014.

- Powell, B**, A Ickowitz, R Jamnadass, S McMullin, R Nasi, C Padoch, M Pinedo-Vasquez, and T Sunderland. 2013. The role of Trees, Agroforests, and Forests in Nutrition-sensitive Food and Agriculture systems. Poster presentation at 20th meeting of the International Congress of Nutrition, Sept 15-20th, 2013, Granada, Spain.
- Powell, B**, R Bezner-Kerr, S Young and T Johns. 2013. The importance of biodiversity for dietary diversity and nutrition: perspectives of small-scale farmers in rural Tanzania. Oral presentation at the AFHVS / ASFS 2013 Conference: Toward Sustainable Foodscapes and Landscapes. June 19 to 23, 2013. Michigan State University, East Lansing, MI, USA.
- Powell, B**. 2013. Healthy Food Environments: the importance of forests and trees? Talk at the FAO Forests and Food Security and Nutrition Meeting, May 13-15th 2013.
- Powell, B**, HV Kuhnlein, T Johns. 2012. The impact of road access on the traditional food system in the East Usambara Mountains. Oral presentation at the International Congress of Ethnobiology, May 20-25th, 2012, Montpellier, France.
- Powell, B**, A Herforth, T Johns, M Oluoch. 2012. Traditional vegetables and nutrition in the East Usambara Mountains, Tanzania. Poster presentation at the International Congress of Ethnobiology, May 20-25th, 2012, Montpellier, France.
- Powell, B**. 2011. Emic and Etic perceptions of Dietary Diversity: A convergence of scientific and rural Tanzanian perspectives on nutrition? Paper accepted for presented at the American Anthropological Association 2011 Meeting, Montreal, Nov 16-20th, 2011.
- Powell, B**, P Maundu, M Oluoch and T Johns. 2010. Relative Contribution of Agricultural and Forest Biodiversity to Diets of Smallholder farmers in the East Usambara Mountains, Tanzania. Oral presentation at the International Congress of Ethnobiology, May 9th-14th, 2010, Tofino, BC, Canada.
- Powell, B**, A Ouarghidi and PB Eyzaguirre. 2007. Geographic Distribution of Knowledge and Use of Wild Leafy Greens in Northern Morocco. Poster Presentation for the 48th Annual Meeting of The Society for Economic Botany, Chicago, Illinois, June 4-7 2007.
- Powell, B**. 2006. Cultural Concepts and Classification of Food help explain Dietary Patterns in Morocco. Oral presentation at the 29th Annual Conference of the Society of Ethnobiology, Pennsylvania State University, USA.

GRANTS and AWARDS:

2018-2020, Human Health and the Environment Seed Grants, Pennsylvania State University. **Powell, B. (Principal Investigator)**, Taylor, A. H. (Co-Principal Investigator), Bliege Bird, R. (Co-Principal Investigator), Cattadori, I. (Co-Principal Investigator). "Complex Social-Ecological Systems and Nutrition in African Dry Forests: Interactions Between Fire, Landscape, Climate, Vector-Borne Disease and Diet Quality", \$49,979

2019, Center for Human Ecology and the College of Agriculture International Programs office, Pennsylvania State University. Ouarghidi, A (Principal Investigator), **Powell, B. (Co-PI)**, "The impact of irrigation technology change in the social-ecological systems of the Amazigh", \$4000 USD

2017-2019, SESYNC, NSF managed by University of Maryland, Gergel, S.E. (Principal Investigator), Smithwick, E. A. H. (Co-Principal Investigator at Penn State), **Powell, B. (Co-Principal Investigator at Penn State)**, sub-award, \$21,541 "Landscape Diversity and Dietary Diversity," approximately \$150,000

2018, USAID, Amy Ickowitz, A (Principal Investigator, CIFOR), Henni Ohee (collaborator, Cenderawasih University) **Powell, B (collaborator)**. "Impact of Landscape Change on Hunting practices, Biodiversity and Diet Quality in Papua, Indonesia", \$25,000

2017-2018, Wilson Research Initiation Grant, The College of Earth and Mineral Sciences, Penn State. **Powell, B. (Principal Investigator)**. "Foodsheds of Healthy Traditional Foods in Morocco: Agrobiodiversity and Landscape Diversity for Improved Diet Quality," \$10,000

2016-2018, Drivers of Food Choice, from Gates Foundation and DfID. Amy Ickowitz, A (Principal Investigator at CIFOR), **Powell, B (Principal Investigator at Penn State**, sub-award \$17,518), multiple other local and international partners, "From Growing Food to Growing Cash: Understanding the Drivers of Food Choice in the Context of Rapid Agrarian Change in Indonesia", \$300,000

2017, African Studies Program Research Grants, College of Liberal Arts, Penn State. **Powell, B. (Principal Investigator)**, "Decolonizing African Nutrition Knowledge," \$2,000

2013-2015, Austrian Development Agency, Padoch, C. (Principal Investigator), Sunderland, T. (Co-Principal Investigator), **Powell, B. (Post Doctoral Scholar)**, multiple other local and international partners, "Nutritional and Ecological Benefits of Forest and Tree Cover on Vegetable Collection, Production and Consumption in Semi-Arid Areas: A Comparative Study in Ethiopia and Burkina Faso", \$961,000

2013-2015, Department for International Development, United Kingdom (as part of a larger award), Ickowitz, A. (Principal Investigator), **Powell, B. (Post Doctoral Scholar)**, "Nutrition and Trees in Sub-Saharan Africa: A Regional Comparative Study," \$551,000

2013-2015, Department for International Development, United Kingdom (as part of a larger award), Sunderland, T. (Principal Investigator), Gergel, S. (Co-Principal Investigator), Baudron, F. (Co-Principal Investigator), Deakin, E. (Post Doctoral Scholar), **Powell, B. (Post Doctoral Scholar)**, "The New Agrarian Change? Exploring the Dynamic Interplay Between Food Security, Commodity Production, and Land-Use in Tropical Forest Landscapes," \$951,000

2010, Graduate Research Enhancement and Travel Award, McGill University, **Powell, B. (Graduate Student)**. Travel award \$1,150

2010, International Union of Nutrition Sciences Travel Award, Agricultural Institute of Canada Foundation, **Powell, B. (Graduate Student)**. Travel award \$1,360

2009, Swiss Agency for Development and Cooperation, Foreign Governments and International Agencies. Led by CIFOR and ICRAF, **Powell, B. (Graduate Student**, sub-grant \$2,500), "The Landscape Mosaics Project"

2008-2009, International Development Research Center (IDRC), **Powell, B. (Graduate Student / Principal Investigator)**. "How does traditional knowledge mediate the relationship between biodiversity use and human nutrition", \$20,000

2004, Colyer-Fergusson Research Trust, Graduate Student Research Award, **Powell, B. (Graduate Student)**, "Dietary patterns, the nutrition transition and agricultural diversity in Morocco", \$1,500

2004, Global Diversity Foundation, **Powell, B. (Graduate Student)**, "Dietary patterns, the nutrition transition and agricultural diversity in Morocco", \$1,500

2004, Graduate Student Research Funding Award, Department of Anthropology, University of Kent at Canterbury, **Powell, B. (Graduate Student)**., "Dietary patterns, the nutrition transition and agricultural diversity in Morocco", \$500

TEACHING EXPERIENCE:

Pennsylvania State University

Jan 2016 - ongoing

- Courses: *African Environments (AFR 105)*, *Human Use of the Environment (GEOG 430)*, *Environment, Society and Sustainability (GEOG 230)*
- Undergraduate Research Internships: between 2017 and 2018 a total of 8 undergraduate students worked on research projects with me or my grad student
- Graduate Student Supervision:
 - **Zach Goldberg**, MSc Supervisor, Geography Department, 2017 - ongoing
 - **Eva Bonta**, Undergraduate Research project (2016-2018)
- Graduate Committees:
 - **Marie-Louise Ryan**, Geography Department. PhD Thesis Committee member, 2018 - ongoing
 - **Tara Mazurczyk**, Geography Department. PhD Candidacy Exam member, 2018
 - **Elham Nasr**, Geography Department. PhD Candidacy Exam member, 2018
 - **Meg Boyle**, Geography Department. PhD Thesis Committee member, 2016 - ongoing
 - **Sara Cavallo**, Geography Department. PhD Thesis Committee member, 2017 - ongoing
 - **Chanda Burrage**, Geography Department. PhD Thesis Committee member, 2017 - 2019
 - **Ashlee Adams**, Geography Department. MSc. Thesis Committee member, 2015 - 2016
- Workshops: Gender and Nutrition (presentation at Gender Research and Integration Training for the CGIAR), Indigenous Knowledge Workshop

CIFOR

2012-2015

- **Caleb Tata Yengo**, MSc. Human Nutrition, University of Ghana (2015-2017)
- **Hansen, Lisa**. MPhil. Forestry Department, University of British Columbia. Committee member (supervisor Dr. J. Innes). Land use change, deforestation and food security in RAAN, Nicaragua (2012-2015)

McGill University, Montreal, Canada

2005-2008

- **Student Co-Supervision: Chiang, Shieh-Ing Terry**. Applied MSc, School of Dietetics and Human Nutrition, McGill University. (Co-supervision under Dr. Johns). Seasonal change in diet and nutrient intake in the East Usambara Mountains (2011)
- Teaching Assistant:
 - *Herbs, Food and Phytochemicals (NUTR512)*, School of Dietetics and Human Nutrition
 - *Food Fundamentals Lab (NUTR214 and NUTR217)*, School of Dietetics and Human Nutrition
 - *Nutrition in Developing Countries (NUTR501)*, School of Dietetics and Human Nutrition

Canadian Field Studies in Africa, East Africa

2008 & 2009

- Teaching Assistant: *Natural History of East Africa* and *Health in East Africa*
- Organization of program activities including: lectures, guest speakers, field trips, research projects

Let's Talk Science Partnership Programme, McGill University, Canada

2005-2010

- Science education and outreach volunteer (Mentoring of science fair projects & classroom visits)
- Promotion of the Access Initiative to enhance access to science education to groups with limited access

Tutor for the Carol McMullen Program for students with Learning Disabilities, Canada

2002-2003

- One-on-one tutoring math and science; Monitoring of learning disabilities & successful learning strategies

PROFESSIONAL ACTIVITIES and SERVICE:

Expert panels and papers:

- UN Form on Forests, Expert Scientific Panellist on the Contributions of Forests to SDG 2 (May 2017)
- UN Committee on World Food Security (CFS), High Level Panel of Experts on Food Security and Nutrition (HLPE) on "Sustainable Forestry for Food Security and Nutrition" (2015-2017)
- IUFRO Global Forest Expert Panel: Forests and Food Security and Nutrition (2013-2015)
- Expert background paper, International Conference on Nutrition 2, FAO: Powell et al. 2013 (see above)
- Contributed to 2 background papers, FAO meeting on Forests for Food Security and Nutrition, May 2013

Symposia and panels organized:

- "Indigenous Peoples Food Systems in Transition: How can ideas from Ethnobiology Inform Work on Food Environments", Session at the 2019 Society of Ethnobiology meeting, May 5-11th, Vancouver, Canada.
- "Landscapes, Food and Diet Quality" Session organized with Erica Smithwick at the 2019 AAG Meeting, April 3-7th, Washington, D.C.
- "Impacts of Tropical Landscape Change on Human Diet and Local Food Systems" Session at the 55th ATBC, July 1-5, 2018, Kuching, Malaysia.
- "Indigeneity in Africa: Securing Control of Natural Resources for Food Security and Well-being of Marginalized Ethnic Groups?" Session at the International Congress of Ethnobiology, Aug 1-7, 2016, Kampala, Uganda.
- "Forest Peoples and Smallholder Forestry: Changing Market Integration, Livelihoods and Contributions of Smallholders to Mitigation and Adaptation". Symposium at the Annual Meeting of the ATBC, June 23-27, 2013, San José, Costa Rica.
- "Nutrition-sensitive Landscapes". Side Event at the FAO Forests and Food Security and Nutrition Meeting, May 13-15th 2013, Rome, Italy.
- "Human Health, Food Security and Forests". Panel Session for the International meeting of the Association for Tropical Biology and Conservation, July 19-23, 2010, Bali, Indonesia.
- "Merging Nutrition and Ethnobotanical Approaches for Improved Human and Ecosystem Health". Symposium at the International Congress of Ethnobiology, May 9th-14th, 2010, Tofino, BC, Canada.

Peer review of papers (journals in alphabetical order, over 20 different journals): *Agriculture and Human Values, Current Opinion in Environmental Sustainability, Ecology of Food and Nutrition, Ecology and Society, Economic Botany, Environment Development and Sustainability, Environmental Conservation, Environmental Management, Environment and Planning E: Nature and Space, Food Security, Forest Policy and Economics, Forests Trees and Livelihoods, Global Environmental Change, Health and Place, International Forestry Review, Journal of Nutrition, Journal of Rural and Community Development, PLoS One, Public Health Nutrition, World Development, and various book chapters*

Peer review of Funding and UN Reports:

- Vienna Science and Technology Fund (2017, turned down)
- Reviewer for *The State of the World's Biodiversity for Food and Agriculture*, FAO, Rome (2016)
- Agropolis (2016, turned down due to conflict of interest)
- National Science Foundation, EPSCoR, Ad hoc reviewer (2016)
- Ecosystem Services for Poverty Alleviation (ESPA) funded by DfID, NERC & ESRC (2014)
- Peer-review of CGIAR research programs (2013-2015)

Editorial service:

- Guest Editor: *Frontiers in Sustainable Food Systems*, Special Issue on Impacts of Tropical Landscape Change on Human Diet and Local Food Systems (2019)
- Editorial Board (Review Editor) for *Nutrition and Environmental Sustainability* 2014-2016
- Guest Editor: *International Forestry Review* (2011) 13(3), Special Issue on Forests, Biodiversity and Food Security

Professional association membership: Association of American Geographers (AAG), International Society of Ethnobiology, World Public Health Nutrition Association, UN Standing Committee on Nutrition

Selected Media Outreach and Engagement:

- Penn State News: [Researcher tackling loss of healthy traditional diets in Morocco](#), By Liam Jackson, July 12, 2018
- CIFOR Forest News: [Forests and food: Get your facts straight!](#) By Bronwen Powell, Oct 12, 2015
- The Landscapes for People, Food and Nature Initiative Blog: [Traditional Markets](#) are an important part of Nutrition-sensitive Landscapes in Morocco. By Bronwen Powell and Abderrahim Ouarghidi, Feb. 2, 2015
- Scientific American: Food-matters. [Seeing The Forest Through The Trees](#): How Wild Foods May Contribute To Food Security. By Layla Eplett. February 12, 2014
- Guardian Professional: [Wild foods](#): a food security strategy that's hard to swallow? By Caspar van Vark, July 3, 2013

LANGUAGES:

French and Swahili (highly functional knowledge)

Arabic, Spanish and Indonesian (elementary knowledge, approaching working knowledge with use)

FIELD EXPERIENCE:

Morocco, Tanzania, Kenya, Ethiopia, Burkina Faso, Nicaragua, Indonesia