

BRONWEN POWELL

Associate Professor of Geography, African Studies & Anthropology, Pennsylvania State University

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EDUCATION:

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

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: T Johns, HV Kuhnlein, K Gray-Donald, M Oluoch, P Maundu, J Msuya

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: R Ellen, GJ Martin, 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 POSITIONS:

Associate Professor of Geography and African Studies, Pennsylvania State University, USA 2022 - ongoing

Associate Head for Diversity, Equity and Inclusion, Department of Geography 2022-2023

Assistant Professor of Geography and African Studies, Pennsylvania State University, USA 2016-2022

Research Associate, Centre for International Forestry Research, Indonesia 2018-2021

Maternity Leave Spring 2016 and Spring 2021

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 authored or co-authored 29 peer reviewed journal articles and over 50 academic publications (including expert background papers, an HLPE report and chapters for the IPCC). Google Scholar lists over 2700 citations of my work and an H-index= 24.

Student or first-time lead authors noted with *

Open Access noted with // (all but 3 or 4 of my publications are open access)

1. Harris, L, AH Taylor, H Kassa, S Leta, and **B Powell**. 2023. Humans and climate modulate fire activity across Ethiopia. *Ecosystems*, online first
2. Hall, C, L Vang Rasmussen, **B Powell**, S Jung, C Dyngeland, and R Skov Olesen*. 2022. Deforestation leads to reduced dietary quality in rural Tanzanian households. *PNAS*, 119(10), e2112063119. //

3. Ickowitz, A, S McMullin, T Rosenstock, I Dawson, D Rowland, **B Powell**, K Mausch, H Djoudi, T Sunderland, M Nurhasan, A Nowak, V Gitz, A Meybeck, R Jamnadass, MR Guariguata, C Termote and R Nasi. 2022. Transformational change of food systems requires more attention to trees and forests. *Lancet Planetary Health*, 6 (7), e632-e639. //
4. Goldberg*, Z, **B Powell** and A Ouarghidi. 2021. Determinants of smallholder maintenance of agricultural biodiversity in Morocco's High Atlas. *Human Ecology*, 49(4), 453-465. //
5. Ickowitz, A, **B Powell**, LV Rasmussen and J Rhemtulla. 2021. Impact of land use and land use change on human diet and local food systems in the tropics. *Frontiers in Sustainable Food Systems*, 5:3. //
6. Borelli, T, D Hunter, **B Powell**, T Ulian, E Mattana, C Termote, L Pawera, D Beltrame, D Penafiel, A Tan and M Taylor. 2020. Born to eat wild: An integrated conservation approach to secure wild food plants for food security and nutrition. *Plants*, 9(10):1299. //
7. Gergel, S, **B Powell**, F Baudron, S Wood, J Rhemtulla, G Kennedy, L Rasmussen, A Ickowitz, M Fagan, EAH Smithwick, J Raneri, S Wood, J Groot and T Sunderland. 2020. Conceptual linkages between landscape diversity and diet diversity: A roadmap for transdisciplinary research. *BioScience* 70(7), 563-575. //
8. Rasmussen LV, ME Fagan, A Ickowitz, SL Wood, G Kennedy, **B Powell**, F Baudron, S Gergel, S Jung, EA Smithwick and T Sunderland. 2019. Forest pattern, not just amount, influences dietary quality in five African countries. *Global Food Security*: 100331. //
9. Baudron, F, S Tomscha, **B Powell**, J Groot, SE Gergel and T Sunderland. 2019. Testing the various pathways linking forest cover to dietary diversity in tropical landscapes. *Frontiers in Sustainable Food Systems* 3(97):1-13. //
10. Tata*, CY, A Ickowitz, **B Powell** and EK Colecraft. 2019. Comparative assessment of diet and anemia prevalence among women living near and far from forests in Southwest Cameroon. *PLoS One*, 14(4): e0215281. //
11. Reyes-García, V, **B Powell**, I Díaz-Reviriego, Á Fernández-Llamazares, S Gallois and M Gueze. 2019. Dietary transitions among three contemporary hunter-gatherers across the tropics. *Food Security* 11(1): 109-122. //
12. Ickowitz, A, **B Powell**, D Rowland, A Jones and T Sunderland. 2019. Agricultural intensification, dietary diversity, and markets in the global food security narrative. *Global Food Security*, 20: 9-16. //
13. **Powell, B**, R Bezner Kerr, SL Young and 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(23): 1-12. //
14. Hama-Ba, F, **B Powell**, A Ickowitz, N Sibiri, P Maundu and B Diawara. 2017. Micronutrient content of wild vegetable species harvested in forested and non-forested areas in Southwest Burkina Faso. *Forest Research*, 6(3). //
15. Ouarghidi, A, **B Powell**, GJ Martin and 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.
16. Rowland*, D, A Ickowitz, **B Powell**, R Nasi and T Sunderland. 2017. Forest foods and healthy diets: quantifying the contributions. *Environmental Conservation*, 44 (2): 102-114. //
17. 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. //
18. **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. //
19. 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. //
20. **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. //
21. Ickowitz, A, **B Powell**, MA Salim and T Sunderland. 2014. Dietary quality and tree cover in Africa. *Global Environmental Change*, 24:287-294. //

22. Vinceti, B, C Termote, A Ickowitz, **B Powell**, K Kehlenbeck and D Hunter. 2013. The contribution of forests and trees to sustainable diets. *Sustainability*, 5(11), 4797-4824. //
23. **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. //
24. Ouarghidi, A, GJ Martin, **B Powell**, G Esser and 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. //
25. Johns, T, **B Powell**, P Maundu and 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.
26. 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.
27. 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. //
28. **Powell, B**, J Hall 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. //
29. 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, REVIEW or UNDER REVISION:

- Powell, B.** (under revision). Landscape ethnoecology, food security and diet among the Dagara of Burkina Faso. (African Geographical Review).
- Powell, B**, F Hama-Ba, E Schoettler* and A Ickowitz. (in preparation). Foodsheds, dietary choice and access to fruits, vegetables and wild foods (to be submitted to Food Security)
- Powell, B**, S Gergel, A Ickowitz, M Fagan, T Sunderland, M Zida et al. (in preparation) Landscape structure, forests and trees on farms and diet in a semi-arid, mixed forest and farm landscape in Burkina Faso. (to be submitted to Ambio)
- Powell, B**, K Kirby, Y Xin*, ZA Goldberg*, MM Lombardi*, Y Hong* and P Maundu. (in preparation). Cultural preferences for slimy and bitter vegetables among East African ethnic groups (to be submitted to PNAS)
- Ickowitz, A, F Hama-Ba **B Powell**, M Utami and Y Martin-Prevel (in preparation). The contribution of tree foods to nutrient intake in Burkina Faso.
- Powell, B**, MA Wolde, H Kassa and A Ickowitz. (in preparation). The political ecology of dietary change: the Gumuz Indigenous food system (to be submitted to Annals of the American Association of Geographers)
- Ouarghidi, A, **B Powell**, L Banuna*, S Kotikot*, HT Gbaguidi* (in preparation). Indigeneity in Africa: Securing food security for marginalized ethnic groups?

BOOK CHAPTERS:

30. Herforth, A, T Johns, HM Creed-Kanashiro, AD Jones, CK Khoury, T Lang, P Maundu, **B Powell** and V Reyes-García. 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.
31. 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.

32. 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, EL, Kshatriya, M, & Sunderland, TCH (eds). *Agrarian change in tropical landscapes*. Center for International Forestry Research (CIFOR), Bogor, Indonesia.
33. **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*, C Colfer and JL Pfund (eds.), Earthscan, London.

EXPERT and BACKGROUND PAPERS / REPORTS:

34. Bezner Kerr, R et al. (**Powell** - Contributing Author). 2022. IPCC Sixth Assessment Report (WGII AR6), Chapter 5: Food, fibre, and other ecosystem products.
35. Adelekan, IO et al. (**Powell** - Contributing Author). 2022. IPCC Sixth Assessment Report (WGII AR6), Chapter 9: Africa.
36. Ickowitz, A., S. McMullin, I. K. Dawson, T. C. H. Sunderland, **B. Powell**, M. Nurhasan, B. Vinceti, R. Jamnadass, A. Meybeck, and V. Gitz. 2021. FTA Highlight No. 5—Food Security and Nutrition. Highlights of a Decade 2011-2021 series. No. 5.: The CGIAR Research Program on Forests, Trees and Agroforestry (FTA), Bogor, Indonesia. <https://doi.org/10.17528/cifor/008215>
37. Gitz, V, N Pingault, A Meybeck, A Ickowitz, S McMullin, T Sunderland, B Vinceti, **B Powell**, C Termote, R Jamnadass, I Dawson and B Stadlmayr. 2021. Contribution of forests and trees to food security and nutrition. FTA Brief #5, CIFOR, Bogor, Indonesia. DOI: 10.17528/cifor/008006
38. Purwestri, RC, **B Powell**, D Rowland, NN Wirawan, E Waliyo, M Lamanepa, Y Habibie and A Ickowitz. 2019. From growing food to growing cash: Understanding the drivers of food choice in the context of rapid agrarian change in Indonesia. CIFOR Infobrief no. 263, Center for International Forestry Research (CIFOR), Bogor, Indonesia. DOI: <https://doi.org/10.17528/cifor/007360> (peer reviewed, **also available in Indonesian**)
39. 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. (underwent open public consultation and UN Nation State debate, similar to IPCC, **available in Russian, Chinese, Arabic, French and Spanish**)
40. 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.
41. 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.
42. 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.
43. 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.

44. **Powell, B**, A Ickowitz, S McMullin, R Jamnadass, C Padoch, M Pinedo-Vasquez and 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.
45. Vinceti, B, A Ickowitz, **B Powell**, K Kehlenbeck, C Termote, B Cogill and 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.
46. Guarascio, F, N Gunewardena, C Holding-Anyonge, S Kaaria, L Stloukal, B Sijapati Basnett, CJP Colfer, E Mwangi, **B Powell**, S Shackleton and A Degrande. 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.
47. Sunderland, T, **B Powell**, 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.
48. 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.
49. **Powell, B**. 2012. Mlo na Lishe Bora kwa Milima ya Usambara Mashariki. Infobrief (*in Swahili*), Research Brief returned to Government Officials and communities in the East Usambara Mountains.
50. **Powell, B**. 2012. Lishe bora na mazingira katika Milima ya Usambara Mashariki. Infobrief (*in Swahili*), Research Brief returned to Government Officials and communities in the East Usambara Mountains.

PRESENTATIONS and EXPERT PANELS for UN and other International Policy Fora:

2019. Expert Scientific Panelist on Global Forest Targets, the Contribution of Forests to Food Security, *UN Forum on Forests* meeting at FAO, Rome, Italy, 22-24 October 2019.
- Powell, B**. 2017. The evolving global nutrition situation: Why forests and trees matter. Presentation to *the UN Forum on Forests*, Expert Scientific Panel on the Contributions of Forests to SDG 2, UNHQ, New York City, USA. 1-5 May 2017.
- 2015-2017. *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"
- 2013-2015. *International Union of Forest Research Organizations*, Global Forest Expert Panel: Forests and Food Security and Nutrition.
- Powell, B**. 2013. Healthy Food Environments: the importance of forests and trees? Talk at the *FAO Forests and Food Security and Nutrition Meeting*, 13-15 May 2013.

INVITED TALKS and PANELS:

- Powell, B**. 2022. Where humans and forests meet: Exploring the links between forests and human health. *Science on Tap, Science Policy Society*, State College, PA, 8 December 2022.
- Zeitler*, L and **B Powell**. 2021. Increasing diversity in agricultural landscapes with indigenous trees and wild foods for improved diet quality and climate resilience. *Mainstreaming Biodiversity in the Decade of Action*, Pennsylvania State University, PA, 27 January 2021.
- Powell, B**. 2020. Wild foods as cultural heritage and cultural ecosystem services in Indigenous Food Systems. *The Global Landscape Forum*, Bonn, Germany, 3 June 2020.
- Powell, B**. 2019. Discussant for "Nourishing Markets? Dietary impacts of the Green Revolution for Africa" (by William Munro, Thomas Bassett, Heidi Gengenbach, and William Moseley), *African Studies Association*, Boston, MA, 22 November 2019.
- Powell, B**. 2019. Culturally-bound dietary preferences and Africa's nutrition challenge. *University of Florida's Center for African Studies Bazaar*, Gainesville, FL, 19 April 2019.
- Powell, B**, A Ickowitz, E Schoettler* and F Hama-Ba. 2019. Through the market: diversity within the foodshed as a prerequisite for dietary diversity. *USAID CIFOR Day*, Washington, DC, 27 March 2019.

- Powell, B.** 2018. Agricultural intensification and landscape change and diet quality. *University of Denver, Department of Geography Seminar Series*, Denver, CO, 18 October 2018.
- Powell, B.** 2018. Decolonizing Nature-Society Geography. Panelist for “Engaging the intersections of Nature-Society Geography” at the *8th Nature-Society Workshop*, Pennsylvania State University, 21-22 September 2018.
- Powell, B.** 2018. Maintaining diet quality in the face of agricultural Intensification and landscape change, *ME John Seminar Series in Rural Sociology*, Pennsylvania State University, PA, 14 September 2018.
- Powell, B.** 2018. Achieving recommendations for fruit and vegetable intake globally: Issues of gender, equity and environment. *Queen’s University Development Week*, Kingston, ON, Canada, 10 February 2018.
- Powell, B.** 2017. Ensuring diet quality and nutrition in the face of agricultural intensification and landscape change across Africa. *Exploring African Agricultural Futures*, University of Minnesota, Minneapolis, MI, 10 November 2017.
- Powell, B.** 2017. Traditional African Vegetable use and ethnic identity. *The Pennsylvania Agricultural College (PAC) Herbarium Workshops*, Pennsylvania State University, PA, 2 November 2017.
- Powell, B.** 2017. The nutritional ecology of the Gumuz people of Ethiopia. *Catalyzing Interdisciplinary Research at the Frontiers of Human Ecological Dynamics*, Pennsylvania State University, PA, 14 October 2017.
- Ickowitz, A, and **B Powell**. 2017. Contributions of forests to diets: Emerging evidence. *USAID Research Symposium*, Washington, DC, 4 October 2017.
- Powell, B.** 2017. Discussant: The Broader Impacts of our Research. Panel organized by SWIG (Supporting Women in Geography), *American Association of Geographers*, Boston, USA, 5-9 April 2017.
- Ouarghidi, A and **B Powell**. 2017. Studying African Indigenous knowledge for improved health and biodiversity conservation. *Interinstitutional Center for Indigenous Knowledge Seminar*, Pennsylvania State University, PA, 15 February 2017.
- Powell, B**, J Igoe, DL Hodgson, S Moiko, A Ouarghidi, MA Wolde and NK Kumssa. 2016. Indigeneity in Africa: Securing food security for marginalized ethnic groups? *African Studies Open Seminar Series*, Pennsylvania State University, PA, 31 August 2016.
- Powell, B.** 2014. Discussant in "Healthy People, Resilient Systems." *IFPRI 2020 conference on Building Resilience for Food and Nutrition Security*, Addis Ababa, Ethiopia, 15-17 May 2014.
- Powell, B.** 2013. Forests and forest research for food security and nutrition. *CIFOR 20th Anniversary - Sustainable Forest management in Central Africa: Yesterday, today and tomorrow*, Yaoundé, Cameroon, 22-23 May 2013.
- Powell, B.** 2009. Nutrition and biodiversity in the East Usambara Mountains. Seminar at *Bioversity International*, Nairobi, Kenya, 8 December 2009.
- Powell, B.** 2007. The role of social and cultural factors in the relationship between biodiversity and human nutrition: can broadening approaches achieve synergistic outcomes? Seminar for *Society for Technology and Development, Department of Anthropology, McGill University*, Montreal, Canada, 16 November 2007.
- Powell, B.** 2006. Knowledge and use of wild leafy greens in northern Morocco. *Le Institut de Recherche en Biologie Végétale Seminar Series, Montreal Botanical Gardens*, Montreal, Canada.

CONFERENCE PRESENTATIONS:

- Powell, B.** 2021. Environmental policy hegemony and the destruction of an Indigenous food system in Ethiopia. *Just Food* (joint meeting for the Association for the Study of Food and Society (ASFS), Agriculture, Food & Human Values Society (AFHVS), Canadian Association for Food Studies (CAFS) and The Society for the Anthropology of Food and Nutrition (SAFN)), online / New York City, NY, USA, 13 June 2021.
- Powell, B.** 2021. Moving beyond calories in FEWS: Taking aim at Nutrition-Sensitive Landscapes. *NSF-sponsored Convergence Accelerator Conference Food Security in Extreme Environments and Food Deserts*, online (hosted by The University of Texas at El Paso), 18-20 May 2021.
- Powell, B.** 2021. Evolution of culturally-bound preferences for traditional vegetables in East Africa. *All-Africa Summit on Diversifying Food Systems with African Traditional Vegetables to Increase Health, Nutrition and Wealth*, online and Arusha, Tanzania, 26 January 2021.

- Powell, B.** 2019. Culturally-bound vegetable preferences and nutrition in East Africa. *African Studies Association*, Boston, Massachusetts, 21 November 2019.
- Powell, B**, K Kirby, Z Goldberg*, Y Hong* and M Lombardi*. 2019. Cultural preferences for Traditional Vegetables in East Africa. *The Society of Ethnobiology meeting*, Vancouver, Canada, 9 May 2019.
- Reyes-García, V, **B Powell**, I Díaz-Reviriego, Á Fernández-Llamazares, S Gallois and M Gueze. 2019. Dietary transitions among three contemporary hunter-gatherers across the tropics. *The Society of Ethnobiology meeting*, Vancouver, Canada, 9 May 2019.
- Ickowitz, A, R Purwestri, N Wirawan, E Wilayo, M Lamenepa, D Rowland* and B Powell. 2019. From growing food to growing cash: The impact of agrarian transitions on diets and nutrition in rural Indonesia. *Agriculture, Nutrition & Health Academy*, Hyderabad, India. 25 June 2019.
- Powell, B.** 2019. Landscape diversity and nutrition. *American Association of Geographers Meeting*, Washington, DC, 3-7 April 2019.
- Powell, B.** 2018. Associations between dietary quality, biodiversity and landscape structure in the Eastern Arc Mountains. *Annual meeting of the Association of Tropical Biology and Conservation*, Kuching, Malaysia, 3 July 2018.
- Tomscha, S, S Gergel, **B Powell**, T Sunderland, and many others in the New Agrarian Change Project. 2017. How do ecosystem goods and services and dietary diversity vary in subsistence vs. intensive agrarian systems? A perspective using cross-site comparisons. *Annual Meeting of the Association of Tropical Biology and Conservation*, Merida, Mexico, 9-14 July 2017.
- Powell, B**, MA Wolde, NK Kumssa. 2017. The fragile traditional Gumuz food system: environmental policy and adaptation in a marginalized Ethiopian ethnic group. *Annual meeting of the American Association of Geographers*, Boston, MA, 5-9 April 2017.
- Kumssa, NK, MA Wolde and **B Powell**. 2016. Gumuz People, livelihoods, food security and Indigeneity. *The International Society or Ethnobiology meeting*, Kampala, Uganda, 1-7 August 2016.
- Powell, B.** 2016. Ethnoecology of traditional Dagara land-uses (or land-use types), land use classification and importance for food security and nutrition. *The International Society or Ethnobiology meeting*, Kampala, Uganda, 1-7 August 2016.
- Powell, B** and T Johns. 2016. Associations between dietary quality and biodiversity are dependent on indicators used. *The International Society or Ethnobiology meeting*, Kampala, Uganda, 1-7 August 2016.
- Andinet*, AH, G Addis, A Ickowitz and **Bronwen Powell**. 2015. Nutritional, antinutritional constituents and minerals' bioavailability of some wild and traditional vegetables of the Gumuz ethnic community, Benishangul Gumuz Regional State, Ethiopia. *The 8th World ESP conference*, Stellenbosch, South Africa, 9-13 November 2015.
- Hama, F, **B Powell**, N Sibiri*, B Diawara. 2015. Micronutrient content of vegetable species consumed by local people in the south-west of Burkina Faso. *The 8th World ESP conference*, Stellenbosch, South Africa, 9-13 November 2015.
- Powell, B**, A Ickowitz, M Balinga, M Zida and T Sunderland. 2015. Land-use diversity supports access to nutritionally-important foods in a semi-arid, mixed forest and farm landscape in Burkina Faso. *The International Association of Landscape Ecology*, Portland, OR, USA, 6-11 June 2015.
- Sunderland, T and **B Powell**. 2015. Forests, food security and nutrition. *The International Association of Landscape Ecology*, Portland, OR, USA, 6-11 June 2015.
- Hansen*, L, J Innes, J Bulkan, **B Powell**, S Gergel, I Eddy and T Sunderland. 2014. Integrated conservation and development projects, agricultural frontiers and the UNESCO Man and Biosphere Reserve Model. *IUFOR World Congress*, Salt Lake City, Utah, 5-11 October 2014.
- Powell, B**, HV Kuhnlein, T Johns and J Msuya. 2013. Market integration, purchased food use and nutrition in the east Usambara Mountains: Lessons for payment for environmental services programs. *The Annual Meeting of the Association of Tropical Biology and Conservation*, San José, Costa Rica, 23-27 June 2013.

- 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. *The AFHVS / ASFS 2013 Conference: Toward Sustainable Foodscapes and Landscapes*, Michigan State University, East Lansing, MI, USA, 19-23 June 2013.
- Powell, B**. 2012. Subsistence and commercialization: contributions of NTFPs to food security and nutrition. *The annual meeting of the Association of Tropical Biology and Conservation*, Bonito, Mato Grosso do Sul, Brazil, 18-22 June 2012.
- Powell, B**, HV Kuhnlein, T Johns. 2012. The impact of road access on the traditional food system in the East Usambara Mountains. *The International Congress of Ethnobiology*, Montpellier, France, 20-25 May 2012.
- Powell, B**. 2011. Emic and Etic perceptions of dietary diversity: A convergence of scientific and rural Tanzanian perspectives on nutrition? *The American Anthropological Association*, Montreal, 16-20 November 2011.
- Powell, B** and T Johns. 2010. An EcoHealth approach to socio-cultural mediators of nutrition in Tanzania. *The International EcoHealth Forum*, London, England, 18-20 August 2010.
- Powell, B** and J Hall. 2010. Effect of forest cover and access on dietary intake in the East Usambara Mountains, Tanzania. *The International meeting of the Association for Tropical Biology and Conservation*, Bali, Indonesia, 19-23 July 2010.
- 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. *The International Congress of Ethnobiology*, Tofino, BC, Canada, 9-14 May 2010.
- Powell, B**, M Oluoch, P Maundu. 2010. Seasonal variation in rural Tanzanian farmers' diets: lessons for climate change adaptation. *McGill's 7th Interdisciplinary Graduate Student Research Symposium*, Montreal, Canada, 25-26 March 2010.
- Ouarghidi, A, GJ Martin, **B Powell**, A Abbad. 2009. Ethnomedical study of disease and use of medicinal roots in Marrakech area. *Le Congrès International sur les Plantes Aromatiques et Médicinales*, Marrakech, Morocco, 25-28 March 2009.
- Powell, B**. 2006. Cultural concepts and classification of food help explain dietary patterns in Morocco. *The Society of Ethnobiology*, Pennsylvania State University, USA, 8-11 March 2006.

CONFERENCE POSTERS:

- Lo*, M, **B Powell**, R Fish, D Rowland, M Nurhasan, M Dallimer and Z Davies. 2021. Exploring the foodscapes framework: Conceptualising social well-being & agency in place. *ANH Academy*, online, June 29-July 1 2021.
- Chi, G, K Halvorsen, K Hill, D Hollen, L Howe, A Jensen, C Maio, **B Powell**, T Radenbaugh, EAH Smithwick, AR Tickamyer, DH Wrenn, J Yin, Q Zheng. 2020. POLARIS: The Pursuing Opportunities for Long-term Arctic Resilience for Infrastructure and Society. *American Geophysical Union*, online, 1-17 December 2020.
- Ickowitz, A, R Purwestri, N Wirawan, Y Habibie, D Rowland*, E Wilayo, M Laminepa, M Utami and **B Powell**. 2020. Commercialization of agriculture has dietary costs as well as benefits in Indonesia. *International Conference on Global Food Security*, online, 7-9 December 2020.
- Severcool*, T and **Powell, B**. 2019. Analyzing Priorities and Processes of Land Use Policy in Indigenous Ethiopia. *American Association of Geographers meeting*, Washington, DC, 3-7 April 2019.
- Powell, B** and T Johns. 2015. Associations between dietary quality and biodiversity are dependent on indicators used. *International Conference on Global Food Security*, Ithaca, New York, USA, 11-14 October 2015,
- Powell, B**, A Ickowitz, R Jamnadass, S McMullin, R Nasi, C Padoch, M Pinedo-Vasquez, and T Sunderland. 2015. Biodiversity for diets. *5th Annual Leverhulme Center for Integrative Research on Agriculture and Health (LCIRAH) Research Conference*, London, UK, 3-4 June 2015.
- 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. *The World Congress on Agroforestry*, 10-14 February 2014.
- Powell, B**, A Ickowitz, R Jamnadass, S McMullin, R Nasi, C Padoch, M Pinedo-Vasquez, and T Sunderland. 2013. The role of forests, trees and biodiversity in nutrition-sensitive food systems. *International Conference on Global Food Security*, Noordwijkerhout, the Netherlands, 29 Sept. – 2 October 2013.

- Sandbrook, C, S Milne, **B Powell**, L Hansen* and T Sunderland. 2013. The New Agrarian Change? Exploring landscapes that integrate forest carbon and food security. *International Conference on Global Food Security*, Noordwijkerhout, the Netherlands, 29 Sept. – 2 October 2013.
- 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. *The International Congress of Nutrition*, Granada, Spain, 15-20 September 2013.
- Hansen*, L, J Innes, K Kehlenbeck and **B Powell**. 2012. Local Knowledge of Indigenous Fruit Tree Management and Factors Influencing Conservation and Regeneration in Kenya. *IUFRO-FORNESSA*, Nairobi, Kenya, 25-29 June 2012.
- Powell, B**, A Herforth, T Johns, M Oluoch. 2012. Traditional vegetables and nutrition in the East Usambara Mountains, Tanzania. *International Congress of Ethnobiology*, Montpellier, France, 20-25 May 2012.
- Powell, B**, M Oluoch, P Maundu and T Johns. 2010. Seasonal Variation in Food Security and Diet: Lessons for Climate Change Adaptation. *McGill Global Food Security Conference*, Montreal, Canada, 19-21 October 2010.
- Powell, B**, K Gray-Donald, J Msuya, T Johns. 2010. Environmental factors associated with stunting in children aged 2 to 5 years in the East Usambara Mountains, Tanzania. *World Congress on Public Health Nutrition*, Porto, Portugal, 23-25 September 2010.
- Ouarghidi, A, A Abbad, **B Powell** and G Martin. 2010. Folk Taxonomy and Species Substitution in Medicinal Roots from Markets in Marrakech, Morocco. *The International Congress of Ethnobiology*, Tofino, BC, Canada, 9-14 May 2010.
- Ouarghidi, A, A Abbad, H De Boer, A Kool, GJ Martin and **B Powell**. 2009. Do experts know? Identification of medicinal roots by herbalists in Marrakech markets. *DIVERSITAS*, Cape Town, South Africa, 13-16 October 2009.
- Powell, B**, A Ouarghidi and PB Eyzaguirre. 2007. Geographic Distribution of Knowledge and Use of Wild Leafy Greens in Northern Morocco. *Annual Meeting of the Society for Economic Botany*, Chicago, IL, 4-7 June 2007.

GRANTS and AWARDS:

Summary: I have participated in projects totaling almost \$8 million USD and contributed to applications that secured funding from a wide range of funding institutions including: the National Science Foundation (USA), European Research Council, the UK Department for International Development, USAID, Austrian Development Agency, International Development Research Center in Canada, and the Gates Foundation. As Principal Investigator at Penn State I have secured over \$250,000 USD of internal and external research funding.

2020-2025, European Research Council. LV Rasmussen (PI), **B Powell (collaborator)**, many others. “Reinterpreting how forests support people’s dietary quality in low-income countries” \$1,730,000 USD

2020-2022, Center for International Forestry Research. **B Powell (PI)**, Subcontract to lead deliverables on wild meat and nutrition as part of the Sustainable Wildlife Management (SWM) Programme in Zambia and Zimbabwe. \$27,500 USD

2019-2023, National Science Foundation, NNA. G Chi (PI), many others, **B Powell (Senior personnel)**, “Pursuing Opportunities for Long-term Arctic Resilience for Infrastructure and Society (POLARIS)” \$3 million USD

2019-2021, Center for Human Ecology and the College of Agriculture International Programs Office, Center for Security Research and Education, Pennsylvania State University. A Ouarghidi (PI/ Co-PI) and **B Powell (Co-PI/ PI)**, “The impact of irrigation technology change in the social-ecological systems of the Amazigh”, \$19,000 USD

2019-2020, Institutes of Energy and the Environment, Pennsylvania State University. JD Lambert (PI) and H Hopfer (co-PI), **B Powell (co-PI)** and others. “The Impact of Ecosystem Change and Resilience on Crop Quality and Farmer Livelihoods - Cloves (*Syzygium Aromaticum*) as a Model”, \$50,000 USD

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

2017-2019, SESYNC, NSF managed by University of Maryland. SE Gergel (PI), EAH Smithwick (Co-PI), **B Powell (Co-PI, sub-award, \$21,541)** "Landscape Diversity and Dietary Diversity," approximately \$150,000 USD

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

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

2016-2018, Drivers of Food Choice, from Gates Foundation and DfID. A Ickowitz (PI at CIFOR), **B Powell (PI 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 USD

2017, African Studies Program Research Grants, College of Liberal Arts, Pennsylvania State University. **B Powell (PI)**, "Decolonizing African Nutrition Knowledge," \$2,000 USD

2013-2015, Austrian Development Agency. C Padoch (PI), T Sunderland (Co-PI), **B Powell (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 USD

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

2013-2015, Department for International Development, United Kingdom (as part of a larger award). T Sunderland (PI), S Gergel (Co-PI), F Baudron (Co-PI), E Deakin (Post Doctoral Scholar), **B Powell (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. **B Powell (Graduate Student)**. Travel award \$1,150 USD

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

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

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

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

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

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

TEACHING:

Summary: At Penn State I teach a 2-2 course load with a regular 1 course release every 2 years in Geography. I have taught upper- and lower-level courses both in-person and online. I have supervised one MSc student and am currently supervising two PhD students, with one incoming in 2023. I also mentor several graduate students at other institutions (especially in low-income countries). I am committed to engaged learning: I have supported study abroad opportunities and mentorship of undergraduate student research projects/ internships is central to my teaching effort and philosophy.

Current Graduate Students:

* Students I supervised or co-supervised

- **Sanae Allen**, Geography, Penn State, PhD committee member, 2022-ongoing
- **Ledeebari Banuna**, Rural Sociology, Penn State, Masters Thesis Committee, 2022-ongoing
- **Eden Mekonen**, Geography Department, MS Thesis Committee member, 2022-ongoing
- **Suriya Parvin**, Geography Department, PhD Thesis Committee member, 2022-ongoing
- **Tiza Mfuni***, Geography and African Studies, Penn State, PhD supervisor, 2021-ongoing
- **Lilly Zeitler***, Geography, Penn State, PhD supervisor, 2020-ongoing
- **Caitlin Flanagan**, Geography, Penn State, PhD Thesis Committee member, 2020-ongoing
- **Marie-Louise Ryan**, Geography, Penn State, PhD Thesis Committee member, 2018-ongoing

Past Graduate Students:

- **Carolina Carrion**, Geography Department, Penn State, Qualifying Exam, Exam member, 2023
- **Sanae Allen**, Geography Department, Penn State, Qualifying Exam, Exam member, 2023
- **Casey Hamilton**, Geography Department, Penn State, Qualifying Exam, Exam member, 2022
- **Suriya Parvin**, Geography Department, Penn State, PhD Qualifying Exam member, 2022
- **Shuyu Chang**, Geography Department, Penn State, PhD Qualifying Exam member, 2022
- **Nikolay Golosov**, Geography Department, Penn State, PhD Qualifying Exam member, 2022
- **Meg Boyle**, Geography, Penn State, PhD Thesis Committee member, 2016-2021
- **Sara Cavallo**, Geography, Penn State, PhD Thesis Committee member, 2017-2019
- **Zach Goldberg***, Geography, Penn State, MSc Supervisor, 2017-2019
- **Mihret Admasu Wolde***, Zoology, Wollega University (Ethiopia), MSc Thesis Co-supervisor, 2017-2019
- **Chanda Burrage**, Geography, Penn State, PhD Thesis Committee member, 2017-2019
- **Tara Mazurczyk**, Geography, Penn State, PhD Candidacy Exam member, 2018
- **Elham Nasr**, Geography Department, Penn State, PhD Candidacy Exam member, 2018
- **Caleb Tata Yengo**, Human Nutrition, University of Ghana, MSc Thesis mentor, 2015-2017
- **Ashlee Adams**, Geography Department, Penn State, MSc Thesis Committee member, 2015-2016
- **Lisa Hansen**, Forestry Department, University of British Columbia, MPhil. Committee member (supervisor J. Innes), 2012-2015
- **Terry Shieh-Ing Chiang***, School of Dietetics and Human Nutrition, McGill University, Applied MSc thesis Co-supervisor (under T. Johns), 2011

Undergraduate Mentorship:

- Nate Cherok, Undergraduate Research project, 2022-ongoing (won an Erickson Discovery Grant)
- Maia Hill, Undergraduate Research project, 2020
- Cameron Franz, Undergraduate Research project, 2019-2020 (won an Erickson Discovery Grant)
- Eva Bonta, Undergraduate Research project, 2016-2018 (won an Erickson Discovery Grant)
- Undergraduate Research Interns and Assistant (total of 20): 2017: Emily Schoettler, Danielle Yzaguirre, Mackenzie Lombardi, Prin Kulwantno; 2018: Chris Rothermel (poster won 3rd prize in African Research Center exhibit), Tracy Severcool, Tal Cohen; 2019: Kyle Myers, Sophie Tessier; 2021: Rayna Alexander, Ayu Anas, 2022: Clarissa Styer, Ashton Attig (Drawdown REU), Anastasia Miller (Drawdown REU), Joe Bagala, Adeline Peat

Courses and Workshops:

- *Seminar in Human-Environment Geography: Critical perspectives on Diet and Food Systems (GEOG 530)*, Penn State (Fall 2022)
- *Biodiversity Conservation in Africa (AFR 105)*, Penn State (Fall 2016, Fall 2017, Spring 2018, Fall 2018, Fall 2019, Spring 2020, Fall 2020, Fall 2021, Spring 2022, Fall 2022, Spring 2023)
- *Human Use of the Environment (GEOG 430)*, Penn State (Spring 2018 and online Spring 2017, Spring 2019)
- *Environment, Society and Sustainability (GEOG 230)*, Penn State (Fall 2018, Fall 2019, Fall 2020, Fall 2021)
- *Seminar in Human-Environment Geography: Methods for Knowledge Synthesis in Social-Ecological Systems Research (GEOG 530)*, Penn State (Spring 2020)
- Workshop: Gender and Nutrition (Gender Research and Integration Training for the CGIAR), 2018
- Workshop: Indigenous Knowledge, ICIK, Penn State, 2017
- Teaching Assistant: *Natural History of East Africa*, Canadian Field Studies in Africa, East Africa (2008-2009)
- Teaching Assistant: *Health in East Africa*, Canadian Field Studies in Africa, East Africa (2008-2009)
- Teaching Assistant: *Herbs, Food and Phytochemicals (NUTR512)*, McGill (2006-2007)
- Teaching Assistant: *Food Fundamentals Lab (NUTR214 and NUTR217)*, McGill (2006-2008)
- Teaching Assistant: *Nutrition in Developing Countries (NUTR501)*, McGill (2006)

PROFESSIONAL ACTIVITIES and SERVICE:**Editorial service:**

- Guest Editor: *Frontiers in Sustainable Food Systems*, Special Issue on Impacts of Tropical Landscape Change on Human Diet and Local Food Systems (2019-2020)
- Editorial Board (Review Editor): *Nutrition and Environmental Sustainability* (2014-2016)
- Guest Editor: *International Forestry Review* issue 13(3), Special Issue on Forests, Biodiversity and Food Security (2011)

Peer review of papers (journals in alphabetical order, over 20 different journals): *African Geographical Review, 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, Field Methods, Food and Nutrition Bulletin, Food Security, Forest Policy and Economics, Forests Trees and Livelihoods, Global Environmental Change, Health and Place, International Forestry Review, Journal of Development Studies, Journal of Nutrition, Journal of Rural and Community Development, PLoS One, Public Health Nutrition, Social Science and Medicine, World Development*, and various book chapters

Professional association membership: American Association of Geographers (AAG), Society of Ethnobiology, World Public Health Nutrition Association, Agriculture-Nutrition Community of Practice

Review of Funding:

- NSF, Integrative Research in Biology (IntBIO), Ad hoc Review (May 2021)
- NSF, Human-Environment and Geographical Sciences Program CAREER Grant, Ad hoc Review (Oct 2020)
- AAG African Specialty Group Student Paper Competition, Review Committee (2019 and 2020)
- University of Wisconsin-Madison *Sea Grant Institute, Sea Grant*, Ad hoc reviewer (2019)
- Vienna Science and Technology Fund (2017, turned down)
- Agropolis (2016, turned down due to conflict of interest)
- NSF, Established Program to Stimulate Competitive Research (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)

Symposia and Conferences and panels organized:

- 5th World Agroforestry Congress (to be held in July 2022), Scientific Review Board Member
- “From Food to Diet and Nutrition in Geographies of Food and Agriculture” Panel discussion with Bronwen Powell, William Moseley, Pinki Mondal, Mara van der Bold, Youjin Chung and Karl Zimmerer, organized with organized with Karl Zimmerer for the AAG meeting, NYC and virtual, Feb. 25 – March 1, 2022.
- “Indigenous Peoples Food Systems in Transition: How can ideas from Ethnobiology Inform Work on Food Environments”, Session at the Society of Ethnobiology meeting, Vancouver, Canada, 5-11 May 2019.
- “Landscapes, Food and Diet Quality” Session organized with Erica Smithwick at the AAG meeting, Washington, D.C., 3-7 April 2019.
- “Impacts of Tropical Landscape Change on Human Diet and Local Food Systems” Session at the 55th Association of Tropical Biology and Conservation meeting, Kuching, Malaysia, 1-5 July 2018.
- “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, Kampala, Uganda, 1-7 August 2016.
- “Forest Peoples and Smallholder Forestry: Changing Market Integration, Livelihoods and Contributions of Smallholders to Mitigation and Adaptation” Symposium at the annual meeting of the Association of Tropical Biology and Conservation, San José, Costa Rica, 23-27 June 2013.
- “Nutrition-sensitive Landscapes”. Side Event at the FAO Forests and Food Security and Nutrition Meeting, Rome, Italy, 13-15 May 2013.
- “Human Health, Food Security and Forests”. Session for the Association for Tropical Biology and Conservation meeting (with P Shanley and C Colfer) Bali, Indonesia, 19-23 July 2010.
- “Merging Nutrition and Ethnobotanical Approaches for Improved Human and Ecosystem Health”. Symposium at the International Congress of Ethnobiology, Tofino, BC, Canada, 9-14 May 2010.

SERVICE to the UNIVERSITY:**University:**

- Reviewer ICIK Whiting Grants for Student Research on Indigenous Knowledge (2018, 2019)
- Reviewer Institute for CyberScience Seed Grant (2019)

College:

- College Level (EMS) Funding Down Select Committee (2019-2021)
- College Level (EMS) Diversity Council (2017 –2019)

Department:

- African Studies Strategic Plan Committee, African Studies, Member (2021-2022).
- African Studies Web and Social Media Committee, Chair (2021- 2023).
- Geography Diversity, Equity, and Inclusion (DEI) Committee (2021 - 2022).
- Geography Faculty Fellowships and Awards Committee (2020 - 2022).
- Geography Student Awards Committee (2016-2017, 2019-2021)
- Director of Geography PLACE Lab (2019-2020)
- Geography Faculty Fellowships and Awards Committee (2019-2020)
- African Studies Open Seminar Series, Organizer (2017-2020)
- Geography Faculty Search Committee (Climate Variability and Change) (2018-2019)
- Geography Speakers Committee, Chairperson (2018-2019)
- Geography Undergraduate Programs and Curriculum Committee (2017-2018)
- Geography Resident Graduate Selection Committee (2016-2017)

OUTREACH and ENGAGEMENT:

Summary: Policy engagement is central to my career goals and academic effort. My work seeks to enhance transdisciplinary communication to improve policy integration across disciplines / sectors. I have engaged with a diverse set of national and international policy fora. Because many policy makers obtain much of their information from scientific news media, I also engage regularly in science communication and with the media.

Expert panels and background papers (also listed in publications):

- IPCC Sixth Assessment Report (WGII AR6), contributing author (2019-2022).
- 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)
- FAO, Expert background paper, International Conference on Nutrition 2 (also listed above under publications, Powell et al. 2013)
- FAO meeting on Forests for Food Security and Nutrition, Contribution to 2 background papers, (also listed above under publications Guarascio et al. 2013 and Vinceti et al. 2013)

Review of UN Reports and related use of Expertise:

- Expert Key-informant consulting on the local adaptation of the Gallup-poll DQ-Q questionnaire (Dec 2020)
- Reviewer for *IPCC Sixth Assessment Report (WGII AR6), Internal Draft of Chapter 5: Food, fibre, and other ecosystem products* (2019)
- Reviewer for *The State of the World's Biodiversity for Food and Agriculture*, FAO, Rome (published 2019)

Science Communication:

- CIFOR [Video](#): Expansion of oil palm plantations into forests appears to be changing local diets in Indonesia, Oct 15, 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

MEDIA COVERAGE of RESEARCH and PUBLICATIONS:

Summary: My work has been covered by International, National and Local media including Scientific America, The Guardian, Reuters and Mongabay.

- Penn State News: [Researchers find direct links between deforestation and reduced dietary quality](#), By Francisco Tutella March 14, 2022
- JStore Daily: [Healthy Forests, Healthy Communities](#), By: Olivia Box, February 6, 2022
- Medical News, [Agroecology has boosted the variety of foods consumed by children](#), Emily Henderson, June 11, 2021
- A4NH / CGIAR News: [Contribution of forests, trees and agroforestry to sustainable food security and nutrition in a time of crisis](#), by Mulia Nurhasan, Stepha McMullin, and Amy Ickowitz, July 7, 2020.
- Swedish International Agricultural Network Initiative: [It's all connected: our digest of GLF Bonn 2020](#), June 10, 2020.
- Penn State News: [Researcher tackling loss of healthy traditional diets in Morocco](#), By Liam Jackson, July 12, 2018 (republished multiple places)
- Foundation for Agrarian Studies Blog: [Forests and Food Security](#) (on the 2017 HLPE report), by Madhura Swaminathan, July 2017.
- Swedish International Agricultural Network Initiative: [What do forests have to do with food security?](#) A glance at this year's HLPE Report, July 7, 2017
- Mongabay: [Forests provide a nutritional boon to some communities, research shows](#), By John Cannon, March 2, 2017
- CIFOR Blog: [Eat your vegetation](#), by Catriona Croft-Cusworth, Aug 1, 2016
- A Ouaga: [Forêt, nutrition et sécurité alimentaire : rideaux sur un projet exécuté au Burkina et en Ethiopie](#), by Séni Dabo, Jan 23, 2016
- Scientific American: Food-matters. [Seeing The Forest Through The Trees: How Wild Foods May Contribute To Food Security](#). By Layla Eplett. February 12, 2014
- CIFOR Blog: [Quality not quantity: Wild foods give new dimension to Tanzania nutrition woes](#), By Anna Finke, Oct 16, 2013
- Guardian Professional: [Wild foods: a food security strategy that's hard to swallow?](#) By Caspar van Vark, July 3, 2013
- IRIN News: [Wild foods could improve nutrition and food security](#), by Kenneth Odiwuor, April 10, 2013
- Mongabay: [Sustainable non-timber forest products failing to meet conservation promise](#), By Rhett Butler, June 20, 2012
- Reuters: [Indonesia facing crisis over loss of species - scientists](#). By David Fogarty and Sunanda Creagh, July 20th, 2010

LANGUAGES:

French (proficient/advanced), Swahili (conversational/intermediate), Arabic (conversational/lower-intermediate), Spanish and Indonesian (elementary/ approaching working knowledge with use)

FIELD EXPERIENCE:

Morocco, Tanzania, Kenya, Ethiopia, Burkina Faso, Nicaragua, Indonesia, USA (Alaska)