

J. Christopher Brown

CONTACT INFORMATION

Department of Geography and Atmospheric Science
Malott Hall 4010
1251 Wescoe Drive
University of Kansas
Lawrence, KS 66045

e-mail: jcbrown2@ku.edu

[Google Scholar](#)

[ResearchGate](#)

[ORCID](#)

RESEARCH INTERESTS

political and ecological dynamics of development and conservation, political ecology, land-change science, biogeography, development institutions and policy, non-governmental organizations, human-environment relations, Latin America, Amazonia, Brazil

EDUCATION

University of California, Los Angeles, California, USA

Ph.D., Geography, 1999

University of Kansas, Lawrence, Kansas, USA

M.A., Latin American Studies, 1992

B.A., Biology, 1989

ADMINISTRATIVE POSITIONS

University of Kansas

Vice Provost for Faculty Affairs
Office of the Provost and Executive Vice
Chancellor

2018 – 2022

Chair/Director
Environmental Studies Program

2008 – 2017

ACADEMIC POSITIONS

University of Kansas

Professor
Associate Professor
Assistant Professor

2015 – present

2007 – 2015

2001 – 2007

Joint appointment in Geography and
Atmospheric Science and the
Environmental Studies Program

University of California, Los Angeles

Lecturer

1999 – 2001

Department of Geography, Development
Studies, and the General Education
Freshman Cluster Course Program

Santa Monica College, Santa Monica,
California, USA

HONORS AND AWARDS

University of Kansas

IIE Fulbright Fellowship (Sabbatical at Campinas State University, SP Brazil)(2016-2017), George and Eleanor Woodyard International Educator Award (2016), John C. Wright Graduate Mentor Award (2008), W.T. Kemper Fellowship for Teaching Excellence (2006), Center for Teaching Excellence Faculty Fellow (2003), H.O.P.E. (Honor for an Outstanding Progressive Educator) award nominee (2003), Phi Kappa Phi Academic Honors (1992), M.A. Thesis and Oral Exam Departmental Honors, Latin American Studies (1992), Title VI Fellowship for Foreign Language and Area Studies Training (1990 - 1991).

University of California, Los Angeles

UCLA Dissertation Year Fellowship (1998 - 1999), Co-winner. Rural Development Specialty Group Illustrated Paper Presentation Contest, Association of American Geographers Annual Meeting, Boston (1998), Henry Bruman Fellowship, Department of Geography (1998), IIE Fulbright Fellowship, Dissertation Field Research in Rondônia, Brazil (1996 - 1997), Inter-American Foundation Fellowship for Dissertation Research (1996 - 1997), Klein Award for International Research, UC- Santa Barbara (1995), Latin American Studies Small Grant, Pre-dissertation field research in Brazil (1995), Organization of American States Fellowship. Pre-Dissertation Research at the University of São Paulo, Brazil (stingless bee taxonomy and ecology) and pilot research at field site (1995), Title VI Fellowship for Foreign Language and Area Studies Training (1993 - 1994), Tinker Foundation Travel Grant and Latin American Studies Small Grant, Pre-dissertation field research in Brazil (1993).

DISSEMINATION OF RESEARCH

Journal Articles

Corrêa-Neto, J. J., Hipólito, J. Ribeiro, C. F., Brown, J. C., & Oliveira, M. L. (2024). Estuarine floodplains harbor greater diversity of orchid bees (Hymenoptera: Apidae: Euglossini) than mangroves in coastal Amazonia. *Apidologie*, 55 (3), 37.

Brown, J. C., Corrêa Neto, J. J., Ribeiro, C. F., Oliveira, M. L. (2024). The impact of agricultural colonization and deforestation on orchid bees (Apidae: Euglossini) in the Brazilian Amazon. *Biological Conservation*, 293, 110560.

Nogueira de Melo, S., Folharini, S., Brown, J. C. (2023). Land use and green crime: assessing the edge effect. *Land Use Policy*, 129, 106636.

Mayes, D. M., Bhatta, C. P., Shi, D., Brown, J. C., Smith, D. R. (2019). Body size influences stingless bee (Hymenoptera: Apidae) communities across a range of deforestation levels in Rondônia, Brazil. *Journal of Insect Science*, 19(2), 23.

Restrepo-Osorio, D. L., Brown, J. C. (2018). AQ methodology application on disaster perceptions for adaptation and resiliency in an Andean watershed symposium: water and climate in Latin America. *Journal of Environmental Studies and Sciences*, 8(4), 452-468.

Folharini, S., de-Oliveira, R. C., Brown, J. C. (2018). Estimate of housing and population in landslide risk areas in California (USA) and coastal São Paulo (Brazil). *Revista Geográfica de América Central*, 3(61E), 319-337.

Garrett, R. D., Koh, I., Lambin, E. F., De Waroux, Y. L. P., Kastens, J. H., Brown, J. C. (2018). Intensification in agriculture-forest frontiers: Land use responses to development and conservation policies in Brazil. *Global Environmental Change*, 53, 233-243.

Kastens, J. H., Brown, J. C., Coutinho, A. C., Bishop, C. R., Esquerdo, J. C. D. (2017). Soy moratorium impacts on

soybean and deforestation dynamics in Mato Grosso, Brazil. *PloS one*, 12(4), e0176168.

Petrini, M. A., Rocha, J. V., Brown, J. C. (2017). Mismatches between mill-cultivated sugarcane and smallholding farming in Brazil: Environmental and socioeconomic impacts. *Journal of Rural Studies*, 50, 218-227.

Oliveira, M.L., Brown, J.C. and Moreira, M.P. (2017) Highway Infrastructure, Protected Areas, and Orchid Bee Distribution and Conservation in the Brazilian Amazon. *Journal of Environmental Protection*, 8, 923-939.

Souza, C. H. W. D., Cervi, W. R., Brown, J. C., Rocha, J. V., Lamparelli, R. A. C. (2017). Mapping and evaluating sugarcane expansion in Brazil's savanna using MODIS and intensity analysis: A case- study from the state of Tocantins. *Journal of Land Use Science*, 12(6), 457-476.

Brown, J. C., and Koeppe, M. (2015). Moratória da soja na *Amazônia* brasileira e governança ambiental: regulação através do mercado ou regulação estatal? (The soy moratorium in the Brazilian Amazon and environmental governance: market or state-led regulation?). *Revista Pós Ciências Sociais*, 11(22), 61-81.

Brown, D. S., Brown, J. C., and Desposato, S. W. (2014). NGOs, turn-out, and the Left: A subnational analysis of Brazil. *Journal of Developing Societies*, 30(4), 365-387.

Brown, J. C., and de Oliveira, M. L. (2014). The impact of agricultural colonization and deforestation on stingless bee (Apidae: Meliponini) composition and richness in Rondonia, Brazil. *Apidologie*, 45(2), 172-188.
<http://hdl.handle.net/1808/12603> doi:10.1007/s13592-013-0236-3

Brown, J. C., Hanley, E., Jason, B., Caldas, M., Barve, V., Peterson, D., Callihan, R., Gibson, J., Gray, B. J., Hendricks, N., Brunzell, N. A., Dobbs, K., Kastens, J., and Earnhart, D. (2014). Ethanol plant location and intensification vs. extensification of corn cropping in Kansas. *Applied Geography*, 53(4), 141-148.
doi:10.1016/j.apgeog.2014.05.021

Brown, J. C., Rausch, L., and Luz, V. G. (2014). Toward a spatial understanding of staple food and non-staple food production in Brazil. *The Professional Geographer*, 66(2), 249-259.

Jason, B., Caldas, M., Peterson, J., Earnhart, D., Brown, J. C., Lauer, B., and Gong, S. (2014). Factors Affecting Farmers' Willingness to Grow Alternative Biofuel Feedstocks across Kansas. *Biomass and Bioenergy*, 66, 223-231. doi:10.1016/j.biombioe.2014.04.009

Peterson, J. M., Caldas, M. M., Bergtold, J. S., Sturm, B. S., Graves, R. W., Earnhart, D., Hanley, E. A., and Brown, J. C. (2014). Economic linkages to changing landscapes. *Environmental Management*, 53(1), 55-66.

Brown, J. C., Kastens, J. H., Coutinho, A. C., Victoria, D. d. C., and Bishop, C. H. (2013). Classifying Multiyear Agricultural Land Use Data from Mato Grosso Using Time-Series MODIS Vegetation Index Data. *Remote Sensing of Environment*, 130, 39-50.

Donalísio, M. R., Cordeiro, R., Lourenço, R. W., and Brown, J. C. (2013). The AIDS epidemic in the Amazon region: a spatial case-control study in Rondonia, Brazil. *Revista de Saúde Pública*, 47(5), 873-80.
doi:10.1590/S0034-8910.2013047004539

Barve, N., Bonilla, A. J., Brandes, J., Brown, J. C., Brunzell, N., Cochran, F. V., Crosthwait, R. J., Gentry, J., Gerhart, L. M., Jackson, T., Kern, A. J., Oberhauser, K. S., Owens, H. L., Peterson, A. T., Reed, A. S., Soberón, J., Sundberg, A. D., and Williams, L. M. (2012). Climate-change and mass mortality events in overwintering monarch butterflies. *Revista Mexicana de Biodiversidad*, 83, 817-824.

Brannstrom, C., Rausch, L., Brown, J. C., Teixeira de Andrade, R. M., and Miccolis, A. (2012). Compliance and market exclusion in Brazilian agriculture: Analysis and implications for soft governance. *Land Use Policy*, 29(2), 357-366.

Victoria, D. d. C., da Paz, A. R., Coutinho, A. C., Kastens, J., and Brown, J. C. (2012). Cropland area estimates in Mato Grosso, Brazil, using MODIS NDVI time series. *Pesquisa Agropecuária Brasileira*, 47(9), 1270-1278.

Brown, D. S., Brown, J. C., and Donaghy, M. (2011). The Electoral Consequences of Direct Political Action: Evidence from Brazil. *Latin American Politics and Society*, 53(4), 35-66.

Cordeiro, R., Donalísio, M. R., Andrade, V. R., Mafra, A. C.N., Nucci, L. B., Brown, J. C., and Stephan, C. (2011). Spatial distribution of the risk of dengue fever in southeast Brazil, 2006-2007. *BMC Public Health*, 11, 355. doi:10.1186/1471-2458-11-355

White, S. S., Brown, J. C., Gibson-Carpenter, J. W., Hanley, E., Earnhart, D. (2009). Planting Food or Fuel: Development an Interdisciplinary Approach to Understanding Farmers' Decisions to Grow Second-Generation, Biofuel Feedstock Crops. *Comparative Technology Transfer and Society*, 7(3), 287-302. <http://hdl.handle.net/1808/10185>

Brown, D., Brown, J. C., and Desposato, S. (2008). Who gives, who receives, and who wins? Transforming capital into political change through non-governmental organizations. *Comparative Political Studies*, 41, 24-47.

Brown, D., Brown, J. C., and Desposato, S. (2007). Promoting and preventing political change through internationally-funded NGO activity. *Latin American Research Review*, 42(1), 126-138.

Brown, J. C., Purcell, M., and Brunzell, N. (2007). Scale, Problems of. In P. Robbins (Ed.), *Encyclopedia of Environment and Society* (pp. 1566-1569). SAGE Publications.

Brown, J. C., Jepson, W., Kastens, J., Wardlow, B., Lomas, J., and Price, K. (2007). Multi- temporal, moderate spatial resolution remote sensing of modern agricultural production and land modification in the Brazilian Amazon. *GIScience and Remote Sensing*, 44(2), 117-148.

Brown, J. C., and Purcell, M. (2005). There's nothing inherent about scale: political ecology, the local trap, and the politics of development in the Brazilian Amazon. *Geoforum*, 36(5), 607-624.

Brown, J. C., Brown, D., and Desposato, S. (2005). Paving the way to political change: decentralization of development in the Brazilian Amazon. *Political Geography*, 24, 39-52.

Brown, J. C., Koeppe, M., Coles, B., and Price, K. (2005). Soybean production and conversion of tropical forest in the Brazilian Amazon: the case of Vilhena, Rondonia. *Ambio*, 34(6), 456-463. <http://hdl.handle.net/1808/2057>

Purcell, M., and Brown, J. C. (2005). Against the local trap: scale and the study of environment and development. *Progress in Development Studies*, 5(4), 279-297.

Brown, J. C., Jepson, W., and Price, K. (2004). FORUM: Expansion of mechanized agriculture and land-cover change in southern Rond'onia, Brazil. *Journal of Latin American Geography*, 3(1), 96-103.

Brown, D., Brown, J. C., and Desposato, S. (2002). Left turn on green?: unintended consequences of international funding for sustainable development in Brazil. *Comparative Political Studies*, 35(7), 814-838.

Brown, J. C., and Albrecht, C. (2001). The effect of tropical deforestation on stingless bees of the genus *Melipona* (Insecta: Hymenoptera: Apidae: Meliponini) in central Rondonia, Brazil. *Journal of Biogeography*, 28, 623-634.

Brown, J. C. (2001). Responding to deforestation: productive conservation, the World Bank, and beekeeping in Rondonia, Brazil. *The Professional Geographer*, 53(1), 106-119.

Book Chapters

Caldas, M. M., Granco, G., Bishop, C., Kastens, J., Brown, J. C. (2017). Effects of Sugarcane Ethanol Expansion in the Brazilian Cerrado: Land Use Response in the New Frontier. Qin, Z.; Mishra, U.; Hasting, A. *Bioenergy and Land Use Change*. American Geophysical Union, 39-51.

Brown, J. C. (2016). Nongovernmental Organizations: Scale, Society, and Environment. In E. Jackiewicz and F. Bosco (Eds.), *Placing Latin America: Contemporary Themes in Human Geography* (3rd ed.). Lanham, MD:

Rowman and Littlefield.

Putnam, H., and Brown, J. C. (2014). The importance of process in achieving food sovereignty: Participatory action research (PAR) in coffee lands of Nicaragua. In W. D. Schanbacher (Ed.), *The Global Food System: Issues and Solutions* (pp. 243-265). Praeger. ISBN: 144082911X

Brown, J. C., and Koeppel, M. (2013). Debates in the Environmentalist Community: The soy moratorium and the construction of illegal soybeans in the Brazilian Amazon. In J. M. Cooper and C. Hunefeldt (Eds.), *Environment and the Law in Amazonia: A Plurilateral Encounter* (pp. 110-126). Sussex: Sussex Academic Press. <http://hdl.handle.net/1808/10906>

Brown, J. C. (2011). Nongovernmental Organizations: Scale, Society, and Environment. In E. Jackiewicz and F. Bosco (Eds.), *Placing Latin America: Contemporary Themes in Human Geography* (2nd ed., pp. 147-158). Lanham, MD: Rowman and Littlefield.

Brown, J. C. (2008). NGOs and ongoing changes in Latin American society. In E. Jackiewicz and F. Bosco (Eds.), *Placing Latin America: Contemporary Themes in Human Geography*. Lanham, MD: Rowman and Littlefield.

Jepson, W., Brown, J. C., and Koeppel, M. (2008). Agricultural intensification on Brazil's soybean frontier in southern Rondônia. In A. Millington and W. Jepson (Eds.), *Land Change Science in the Tropics* (pp. 73-92). Boston: Springer Publications.

Brown, J. C. (2006). Placing local environmental protest within global environmental networks: colonist farmers and sustainable development in the Brazilian Amazon. In C. Mauch, N. Stoltzfus, and D. Weiner (Eds.), *Shades of Green* (pp. 197-218). Lanham, MD: Rowman and Littlefield.

Brown, J. C. (2006). Productive conservation and its representation: the case of beekeeping in the Brazilian Amazon. In K. Zimmerer (Ed.), *Globalization and New Geographies of Conservation* (pp. 92-115). Chicago: University of Chicago Press.

Brown, J. C. (2001). Beekeeping and sustainable development among colonist farmers in Rondonia, Brazil. In M. Hiraoka and F. Kahn (Eds.), *Sustainable Development: Myth or Reality* (pp. 61-72). Quito: Editorial Abya-Yala. [In Spanish]

Conference Proceedings

Coutinho, A. C., Victoria, D. d. C., da Paz, A. R., Brown, J. C., and Kastens, J. (2011). Dinâmica da agricultura no polo de produção de soja do Estado de Mato Grosso [Dynamics of agriculture in the soy production pole of the state of Mato Grosso]. In *Anais XV Simpósio Brasileiro de Sensoriamento Remoto, 30 abril – 5 maio, 2011* [Proceedings of the Brazilian Symposium of Remote Sensing] (pp. 6128-6135). Curitiba, Brasil: INPE.

Monitoramento da Atividade Agrícola com Imagens do Satélite Modis [Potential and limitations of monitoring of agricultural activity with MODIS satellite imagery]. In V. D. P. Campos Godinho, et al. (Eds.), *Resumos expandidos do I Workshop de Integração Lavoura- Pecuária-Floresta em Rondônia, Vilhena, 24 a 28 abril, 2010* (pp. 93-103). Porto Velho: Embrapa Rondônia.

Brown, J. C., Kastens, J., Wardlow, B., Jepson, W., Coutinho, A., Venturieri, A., Lomas, J., and Price, K. (2007). Using MODIS to detect cropping frequency variation in mechanized agriculture in Amazonia. In *Anais XIII Simpósio Brasileiro de Sensoriamento Remoto, 21-26 abril 2007* [Proceedings of the Brazilian Symposium of Remote Sensing] (pp. 99-101). Florianópolis, Brasil: INPE.

Presentations, workshops and short courses

I want to write an article for an international journal. Where do I start? State University of Maranhão, Brazil. 2024.

[in Portuguese]

What will I do with my degree in geography? State University of Campinas, Brazil. 2024. [in Portuguese]

The importance of geography in responding to social-environmental challenges. State University of Campinas, Brazil. 2024. [in Portuguese]

Robert Sack's theory of place-as-territory and social-environmental research. Two-day short course presented to graduate students in geography at the State University of Campinas, Brazil. 2024 [in Portuguese]

Geographies of Human Survival: the Case of the Lençóis Maranhenses National Park. Waggoner Colloquium, Center for Latin American and Caribbean Studies, University of Kansas. 2023.

Political ecology and land use change: reflections on the Amazon. State University of Campinas, Brazil. 2023. [in Portuguese]

Political ecology and land use change: reflections on the Amazon, State University of Maranhão, Brazil. 2023. [in Portuguese]

Metapopulations, Conservation and Development in Rural Areas of Rondonia, Brazil. Semana Nacional de Ciência e Tecnologia - IFRO-Campus Cacoal (remote). 2020. [in Portuguese]

Mapping agricultural change in Mato Grosso, 2001-2013. II Ciclo de Seminários NEPAM - Ambiente and Sociedade em Debate, State University of Campinas, São Paulo, Brazil. 2016. [in Portuguese]

Deforestation and agrarian reform in the Brazilian Amazon. Sustentar - 8th International Forum for Sustainable Development. Fundação Dom Cabral, Belo Horizonte, Brasil. 2015. [in Portuguese]

CLAG and its relationship to research groups in Latin America. Conference of Latin Americanist Geographers Meeting, Fortaleza, Brazil. 2015. [in Portuguese]

Mapping agricultural change in Mato Grosso, 2001-2013. Conference of Latin Americanist Geographers Meeting, Fortaleza, Brazil. 2015.

Bees, trees, and social unease. Conference of Latin Americanist Geographers Meeting, Panama City, Panama. 2014.

The University of Kansas and the Pantanal Wildlife Program. Sustentar: International Forum for Sustainable Development, Belo Horizonte, Minas Gerais, Brazil. 2014.

Social and Environmental Movements in Brazil. Center for Latin American and Caribbean Studies Educator Workshop on Brazil, University of Kansas. 2014.

Human dimensions of land-use and land-cover change research in Kansas and Brazil. Workshop UNICAMP-Kansas, Campinas, Brazil. 2013 [in Portuguese]

With Kastens, J. H., and Coutinho, A. The Borlaug Hypothesis and Agricultural Intensification in Mato Grosso, Brazil. Association of American Geographers Annual Meeting, Los Angeles. 2013.

The soy moratorium and the construction of "illegal" soybeans in the Brazilian Amazon. I meeting of the Congress of Social Sciences, II meeting of the US-Brazil Network on Society, Environment, and Governance, Universidade Federal de Maranhão, São Luís. Brazil. 2013. [in Portuguese]

With Thomas, W., and Nakao, R. PANEL: DDI and Metadata from the Researcher's Perspective. North American Data Documentation Initiative Conference (NADDI 2013), Lawrence, KS. 2013.

Human dimensions of land-use and land-cover change research in Kansas and Brazil. Workshop Universidad de la República-Kansas, Montevideo, Uruguay. 2013.

Linking everyday consumption to social and environmental impacts in Mongolia and Brazil. Title VI Area Studies Centers Teacher Training Workshop, University of Kansas. 2013.

Exploratory spatial analysis of biofuel production, the landless movement, and politics in São Paulo State. Meeting of the Latin American Studies Association, San Francisco. 2013.

The Kansas experience in developing research networks in Brazil. U.S. – Brazil Network: Bridging the Humanities and the Sciences, Center for the Study of Conflict, Collaboration, and Creative Governance, University of Colorado – Boulder. 2012.

Feeding the world AND conserving tropical forests: a test of the Borlaug hypothesis in Mato Grosso, Brazil. Feeding 9 billion: The Future of Large-Scale Agriculture in Brazil., Watson Institute for International Studies. Brown University. Providence. 2012.

Human-environment research on agricultural development in Brazil and the United States. Instituto Nacional de Pesquisas Espaciais (INPE – National Institute for Space Research), Brazil. 2012. [in Portuguese]

Human-environment research on agricultural development in Brazil and the United States. Universidade Estadual de Campinas, São Paulo (UNICAMP), Brazil. 2012. [in Portuguese]

The role of smallholder agriculture in promoting conservation within “the matrix”: Agroecology, landscape ecology and rural social movements in the global south. Invited discussant, Meeting of the Association of American Geographers, New York City. 2012.

Energy and the end of oil. Oscher Continuing Education course, University of Kansas. 2012.

Illegal soybeans and the making of Brazil’s cerrado biome. Hall Center for the Humanities Nature and Culture Seminar Series, University of Kansas. 2012.

Systematic analysis of the relationship between deforestation and land occupations in the Brazilian Amazon. Meeting of the Association of American Geographers, New York City. 2012.

The soy moratorium and the end of deforestation in the Amazon. Meeting of the Association of American Geographers, Washington, DC. 2011.

International Community Engagement and Development. Engineers Without Borders Orientation session, University of Kansas. 2011.

Orientation session to SELF Fellows group planning their senior trip to Brazil. University of Kansas. 2011.

Decentralization of development in the Brazilian Amazon, and Soybean production and deforestation in the Brazilian Amazon. Missouri Southern State University Brazil Lecture Series, Joplin, MO. 2010.

Moral Geographies of Energy. Dr. Judy Wu’s Nano-Tech, multi-campus research group related to Kansas NSF EPSCoR, University of Kansas. 2010.

The soy moratorium and the end of deforestation in the Amazon. The Center for Iberian and Latin American Studies (CILAS) at the University of California, San Diego. 2010.

A Systematic Approach to the Study of Food vs. Non-Food Production in Brazil. Meeting of the Association of American Geographers, Las Vegas. 2009.

The Use of MODIS 250 m Data in Agricultural Monitoring in Brazil. Meeting of the Association of American

Geographers, Boston. 2008.

The Moral Geography of Ethanol Production in Brazil. Brazilian Studies Association Meeting, New Orleans. 2008.

The Moral Geography of Development in the Amazon. Meeting of the Association of American Geographers, San Francisco. 2007.

Food, Fuel, and Forests: Energy and Environment in Brazil. 16th Annual Waggoner Colloquium, Latin American Studies, University of Kansas. 2007.

With Jepson, W., and Price, K. Modern Agriculture on Tropical Frontiers: Re-thinking Methods for Land-Change Research. Open Meeting of the Human Dimensions of Global Change Research Community, Bonn, Germany. 2005.

Morals, international development, and common criteria for improving livelihood conditions in the developing world. International Seminar for Faculty. Office of International Programs, University of Kansas. 2005.

Against the local trap: scale and the study of environment and development. Hall Center for the Humanities Nature and Culture Seminar. University of Kansas. 2005.

Careers in Academia. Latin American and Russian and East European Studies Career Seminar, University of Kansas. 2005.

Environmentally Sustainable Development: Working together for People, Prosperity and Peace. The People Speak 2005 series. Office of International Programs. Dole Institute of Politics, University of Kansas. 2005.

With Jepson, W. Mechanized annual cropping in Amazonia: A new research agenda. Association of American Geographers Annual Meeting, Philadelphia, PA. 2004.

Implications of scale as a social construction on development research and policy. International Seminar for Faculty. Office of International Programs, University of Kansas. 2004.

With Purcell, M. Against the local trap: geographical scale in the study of land use and resource management. Paper prepared for an International Conference on Local Land Use Strategies in a Globalizing World, Copenhagen, Denmark. 2003.

Careers in Academia. Latin American and Russian and East European Studies Career Seminar, University of Kansas. 2003.

Health of the Global Environment. ENVIRONS, University of Kansas. Panelist with visiting speaker Derrick Jensen, and others. 2003.

Left turn on green?: Unintended consequences of international funding for sustainable development in Brazil. Department of Political Science Colloquium Series, University of Kansas. 2003.

Teaching Amazonia: Giving Students a Way to Locate Environmental Issues. Twelfth Annual Waggoner Research Colloquium. The Center of Latin American Studies, University of Kansas. 2003.

There's nothing inherent about scale: Political ecology, the local trap, and the politics of development in the Brazilian Amazon. Association of American Geographers Annual Meeting, Los Angeles. 2002.

Careers in Academia. Latin American and Russian and East European Studies Career Seminar, University of Kansas. 2002.

Representation and productive conservation: the case of beekeeping in the Brazilian Amazon. Environment and Development Advanced Research Circle (EDARC), University of Wisconsin –Madison. 2002.

Responding to deforestation: nature, social relations, and the promise of sustainable development in Rondonia, Brazil. Department of Geography Colloquium, University of Oklahoma. 2001.

Responding to deforestation: nature, social relations, and the promise of sustainable development in Rondonia, Brazil. Department of Geography Colloquium Series, University of Washington, Seattle. 2001.

Corruption and the discourses of sustainable development. UCLA Latin American Center's Commemorative Series Brazil: 500 years, University of California - Los Angeles. 2000.

Putting local environmental protest in its place. Environmental protest around the globe, German Historical Institute and Florida State University, Tallahassee. 2000.

Unintended Consequences? The Growth of NGOs in Rondonia, Brazil. Latin American Studies Association Conference, Miami. 2000.

Material vs. Conceptual Landscapes in Sustainable Development Practice. Conference of Latin Americanist Geographers Meeting, Austin. 2000.

The effect of tropical deforestation on orchid bees (Insecta: Hymenoptera: Apidae: Euglossini) in central Rondonia, Brazil. Association of American Geographers Annual Meeting, Pittsburgh. 2000.

NGOs in Rural Landscapes: Mediating the Human-Land Relationship. Association of American Geographers Annual Meeting, Hawaii. 1999.

FUNDED RESEARCH

University of Kansas, External awards

Brown, J. C. (International Collaborator). Real use versus formal land use in the Amazon of Maranhão: evaluation of conditions for sustainable development. Conselho Nacional de Desenvolvimento Científico e Tecnológico CNPq na Chamada CNPq/MCTI/FNDCT No 18/2021 – UNIVERSAL.

Brown, J. C. (Principal). Introducing interdisciplinary research on the human and environmental dynamics of biofuel production, climate change and related topics. FAPESP (São Paulo Research Foundation. Processso 2015/194375) \$24,000, (2016).

Brown, J. C. (Principal). Building greater University of Kansas-UNICAMP interaction through studies on food vs. fuel production. Fulbright - Brazil, Scientific Mobility Program \$30,000, 2014 (2015 - 2016).

Brown, J. C. Climate Change and Energy: Basic Science, Impacts, and Mitigation. EPS-0903806, NSF-EPSCoR \$20,000,000 (2011 - 2015). Participating faculty with approximately 60 other researchers at KU, K-State, Wichita State, Emporia State. GIS team co-leader on the Farmers' Land Use Decisions portion of project.

Brown, J. C. (co-I). Collaborative Research: Land Change in Brazil's Cerrado: Ethanol and Sugar Cane Expansion at the Farm and Industry Scale. NSF-GSS-1227160, National Science Foundation \$172,124 (September 1, 2012 - August 30, 2015).

Brown, J. C. Methodology for mapping agriculture in Brazil. EMBRAPA (roughly Brazil's equivalent of the USDA) \$305,000 (2010 - 2014). I was a foreign collaborator on the project with research teams from EMBRAPA.

Brown, J. C. (International Collaborator) Agricultural intensification in production areas of soybean and sugar cane: territoriality, sustainability, and competitiveness. EMBRAPA \$156,521 (2008 - 2010).

University of Kansas, Internal awards

Brown, J. C., Kennedy, J., and Fowle, D. Putting global commodity chains in their place: a KU- Mongolia initiative to mitigate the socio-cultural and environmental effects of mining. The Commons at the University of Kansas \$5,000 (2010).

Brown, J. C. Expansion of soybean cultivation in the Brazilian Amazon. University of Kansas General Research Fund \$8,000 (2004).

Brown, J. C. Expansion of soybean cultivation in the Brazilian Amazon. New Faculty General Research Fund seed grant \$10,000 (2001).

University of California, Los Angeles, External awards

Brown, D. (Principal), Brown, J. C., and Desposato, S. International Funding, Local NGOs, and Electoral Outcomes. 00-99097, NSF SES - Political Science \$154,921 (2000). I co-authored the proposal but did not have PI status at UCLA so I was listed as a consultant on the project.

SUPERVISION

University of Kansas

Master's and Doctoral Committee Chair or co-Chair

(2020). *Ranching in the floodplain of the Queguay River in the northwestern Uruguay: sustainable practices in the face of extreme seasonal variability and woody encroachment*. Doctoral Final Exam (Dissertation Defense), Restrepo-Osorio, Diana L., Chair.

(2019). *"El Problema es el Precio Bajo": Socio-Environmental Impacts of Argentine Yerba Mate Cultivation*. Master's Exam, Dohrenwend, Adam S, Chair.

(2019). *Rescinding Rights: A critical analysis of governmental changes and how they affect indigenous land rights*. Master's Exam, Sanner, Elizabeth L, Chair.

(2018). *Foraging difference, potential competition, and resource overlap between Western honey bee (*Apis mellifera* L.) and Asian honey bee (*Apis cerana* F.)*. Doctoral Final Exam (Dissertation Defense), Bhatta, Chet Prasad, Co-chair.

(2018). Doctoral Comprehensive Exam, Restrepo-Osorio, Diana L., Chair.

(2017). Master's Exam, Penner, Will Hays, Co-chair.

(2015). *Discovering and Developing Primary Biodiversity Data from Social Networking Sites*. Doctoral Final Exam (Dissertation Defense), Barve, Vijay Vasant, Chair.

(2015). *A Political Ecology of Oil Palm in the Peruvian Amazon*. Master's Exam, Kotlinski, Nicholas E, Chair.

(2015). *Não e apenas sobre nós: Food as a Mechanism to Address Social and Environmental Injustice in Mato Grosso, Brazil*. Master's Exam, Chavez Narvaez, Marisela Andrade, Chair.

(2014). *Migrancy, Markets and Survival: Transnational Lives in South African Space*. Doctoral Final Exam (Dissertation Defense), Oakes, John T, Chair.

(2014). *Defining Watershed Management Perceptions in a Midwestern Watershed U.S.A and in a South American Watershed*. Master's Exam, Restrepo-Osorio, Diana L., Chair.

- (2013). *The Political Ecology of Food Insecurity in Smallholder Coffee Cooperatives in Northern Nicaragua*. Doctoral Final Exam (Dissertation Defense), Putnam, Heather, Chair.
- (2013). *Environmental Governance as a Development Strategy: The Case of Lucas do Rio Verde Legal*. Doctoral Final Exam (Dissertation Defense), Rausch, Lisa L, Chair.
- (2012). *Water, Cities, and Bodies: A Relational Understanding of Niamey*. Doctoral Final Exam (Dissertation Defense), Hungerford, Hilary Brooke, Co-chair.
- (2009). (Dissertation Defense), Herrera, Mauricio, Chair.
- (2005). (Dissertation Defense), Koeppe, Matthew, Chair.

Master's and Doctoral Committee Member

- (2023). *Social and economic impact of urbanization in Brazil*. Master's Exam, Aguilar, Katlyn Faye, Member.
- (2022). Doctoral Comprehensive Exam, Krueger, Kyle John, Grad Studies Representative.
- (2022). *Part-Time Faculty Perceptions and Academic Citizenship in Support of Graduate Degree Programs*. Doctoral Final Exam (Dissertation Defense), Bricklemeyer, John T, Grad Studies Representative.
- (2021). *Pokot and Western Christian Missions: A Story of Place and Perception*. Doctoral Final Exam (Dissertation Defense), Morris, Julie Susanne, Member.
- (2020). *Investigating Structural Barriers to Community Participation: A Political Ecology Analysis of Risk Reduction in Coastal Louisiana*. Doctoral Final Exam (Dissertation Defense), Lipsman, Jake, Grad Studies Representative.
- (2019). *Wild bee responses to land use change: investigating the role of bee body size*. Doctoral Final Exam (Dissertation Defense), Mayes, Daphne, Outside.
- (2019). *Ouray Postcard Sense-of-Place: Looking at Words and Reading Pictures*. Doctoral Final Exam (Dissertation Defense), Willis, Stephanie, Member.
- (2019). *A Data-driven Approach for Mapping Grasslands at a Regional Scale*. Doctoral Final Exam (Dissertation Defense), Peterson, Dana, Member.
- (2018). Doctoral Comprehensive Exam, Morris, Julie Susanne, Member.
- (2017). *SYSTEMATICS AND EVOLUTION OF THE LEAF-BEETLE TRIBE DORYNOTINI (COLEOPTERA: CHRYSOMELIDAE: CASSIDINAE)*. Doctoral Final Exam (Dissertation Defense), Vieira Dos Passos Simoes, Marianna, Outside.
- (2017). Doctoral Comprehensive Exam, Willis, Stephanie, Member.
- (2017). *The Local Dimension of Transnational Activity in Environmental Conflicts: Tambogrande, 1961-2004*. Doctoral Final Exam (Dissertation Defense), Thieroldt Llanos, Jorge Ernesto, Outside.
- (2017). Doctoral Comprehensive Exam, Lipsman, Jake, Outside.
- (2017). Doctoral Comprehensive Exam, Fahrenbruch, Matthew Lee, Member.
- (2017). Doctoral Comprehensive Exam, Peterson, Dana, Member.
- (2017). *Landscapes of Mount Kilimanjaro Tourism: Residual, Dominant, Emerging, and Excluded Cultures*. Doctoral Final Exam (Dissertation Defense), Holroyd, Megan Lynn, Member.
- (2016). *An Exploration in International Comparative Legal Geography: Military Status of Forces Agreements (SOFAs), Sexual Violence, and Jurisdiction*. Doctoral Final Exam (Dissertation Defense), Reiz, Nicole, Member.
- (2016). *Going with the Flow: Irrigation in Southwest Kansas*. Doctoral Final Exam

(Dissertation Defense), Gray, Benjamin Jerome, Outside.

(2015). Doctoral Comprehensive Exam, Bhatta, Chet Prasad, Member.

(2015). *Agritourism in Kansas: A Study of Distance and Economic Viability*. Master's Exam, Thorp, Zachary Ward, Member.

(2015). Doctoral Comprehensive Exam, Mayes, Daphne, Outside.

(2015). *Biophysical Indicators of Sustainability for Climate Change Mitigation and Adaptation*. Doctoral Final Exam (Dissertation Defense), Cochran, Ferdouz V., Member.

(2015). *Freedom, Tradition, Environmentalism?: Anti-Environmentalism and the Transformation of Conservative Thought in the 1970s*. Doctoral Final Exam (Dissertation Defense), Boynton, Alex, Outside.

(2014). Master's Exam, Pardo Torres, Martha Carolina, Member.

(2014). Doctoral Comprehensive Exam, Vieira Dos Passos Simoes, Marianna, Outside.

(2014). Doctoral Comprehensive Exam, Gray, Benjamin Jerome, Outside.

(2013). Doctoral Comprehensive Exam, Thieroldt Llanos, Jorge Ernesto, Outside.

(2013). *"Migrating with Dignity": Study of the Kiribati Australia Nursing Initiative (KANI)*. Master's Exam, O'Brien, Lara K, Member.

(2013). *"The Geography of Narrative: Representations of Place in African Literature"*. Doctoral Final Exam (Dissertation Defense), Crowley, Dustin J, Outside.

(2013). *The Evolution of the Built Environment of the Margi Ethnic Group of Northeastern Nigeria*. Doctoral Final Exam (Dissertation Defense), Birdling, Emmanuel Awidau, Member.

(2012). *East Meets West: Transcribing Balinese Gamelan for Clarinet Choir*. Doctoral Final Exam (Dissertation Defense), Wohletz, Jeremy Glen, Outside.

(2012). Doctoral Comprehensive Exam, Boynton, Alex, Outside.

(2012). Doctoral Comprehensive Exam, Wohletz, Jeremy Glen, Outside.

(2012). *Development on the Margins: Rwanda Alternative Grassroots Economic Strategies*. Doctoral Final Exam (Dissertation Defense), Miller, Courtney Jay, Member.

(2011). Doctoral Comprehensive Exam, Fox, David Patrick, Member.

(2011). *TBA*. Doctoral Final Exam (Dissertation Defense), Nichols, Christopher R, Outside.

(2011). Doctoral Comprehensive Exam, Birdling, Emmanuel Awidau, Member.

(2011). *How Planning Works in an Age of Reform: Land, Sustainability, and Housing Development Traditions in Zanzibar*. Doctoral Final Exam (Dissertation Defense), Muhajir, Makame Ali Haji, Member.

(2011). *Factors That Influence Civic Participation in Economic Development Planning: Tourism in Utica, Illinois*. Doctoral Final Exam (Dissertation Defense), Spears, Chaya Riannon, Outside.

(2011). Doctoral Comprehensive Exam, Crowley, Dustin J, Outside.

(2010). Doctoral Comprehensive Exam, Miller, Courtney Jay, Member.

(2010). *Ouray, Colorado: Sense of Place in the Modern Wild West*. Master's Exam, Willis, Stephanie, Member.

(2010). *Comparative Genital Morphology, Phylogeny, and Classification of the Orchid Bee Genus Euglossa Latreille (Hymenoptera: Apidae), with Distributional Modeling of Adventive Euglossines*. Doctoral Final Exam (Dissertation Defense), Hinojosa Diaz, Ismael Alejandro, Outside.

Undergraduate honors thesis advisor

Schuyler Kraus, 2012.
 Jacki Murdoch, 2011.
 Kimberly Hernandez, 2010.

Undergraduate honor's thesis committee member

Meredith Van Natta, 2009.

Post-doctoral advisor/host

Márcio Oliveira, Entomology, Instituto Nacional de Pesquisa da Amazonia (INPA)
 "Orchid bees and highway construction in the Brazilian Amazon". 2011

Ricardo Cordeiro, Public Health, Universidade Estadual de Campinas (UNICAMP) "The path of AIDS in the Amazon" Status: completed. 2010

Navchaa Tugjamba, Environmental Studies, University of the Humanities, Ulaanbaatar, Mongolia. "Climate Change Education in Mongolia". 2015.

International graduate advisor/host

Flavio de Arruda Saron, Ph.D. Candidate, Department of Geography, State University of Sao Paulo - Presidente Prudente, Brazil, 2016-2017.

Marcelo Reis Nakashima, Ph.D. Candidate, Department of Geography, University of Sao Paulo, Brazil, 2016-2017

Maria Angélica Petrini, Ph.D. Candidate, School of Agricultural Engineering, State University of Campinas (UNICAMP), Brazil, 2014-2015

Veronica Luz, Ph.D. Candidate, Public Health, State University of Campinas (UNICAMP), Brazil, 2010.

**COURSES
TAUGHT****University of Kansas**

Perspectives in Geography: Graduate Intro Course
 People, Place, and Society: Undergraduate Intro Course
 Borders and Climates: NSF-C-Change IGERT Program
 The Global Environment I and II: Freshman Experience Course
 Moral Geographies of Environment and Development: Graduate Seminar
 Principles of Environmental Studies: Introductory Environmental Studies
 Environment, Culture, and Society: Introductory Environmental Studies/Geography
 Middle America: Upper Division Regional Geography
 World Regional Geography: Introductory Geography
 Environment and Development: Graduate Seminar
 Tropical deforestation in Latin America: Regional Environmental Studies Seminar
 Environmental Issues of Latin America: Regional Environmental Studies Seminar
 Geography of Brazil: Upper Division/Graduate Regional Geography
 Environmental Conservation: Upper Division Undergraduate Seminar

University of California, Los Angeles

People and the Earth's Ecosystems. Undergraduate lecture and discussion sections.

Forest Ecosystems. Upper division class required for biogeography specialization.

Environmental Studies Seminar: Nature, Discourse, and Practice. Part of a yearlong, interdisciplinary environmental studies cluster program for first-year honors students.

Mexico, Central America, and the Caribbean. Upper division regional geography class.

Santa Monica Community College

Introductory Human Geography

Introductory Physical Geography

OTHER EMPLOY- MENT

Biodiversity Consultant. DHV-Consultants, Netherlands

World Bank-Funded Socio-Economic-Ecological Zoning of the State of Rondonia, Brazil (1997)

- Designed and directed a statewide geo-referenced field survey of stingless bees and euglossine bees to determine the impact of deforestation on species diversity.
- Worked closely with other fauna research teams in presentation of results to state government officials and World Bank representatives.
- Conducted extensive field and laboratory work, produced maps with ArcView, and managed large database using MSAccess.

SERVICE

University

Member of Planning committee for the event "Nature's Matrix", The Commons. (2010)

Invited panelist. Senior Administrative Fellows Program: "Building Culture and Maximizing People Potential". (2015)

Presented the faculty address to the Class of 2017 at the 2013 University Fall Convocation Ceremony. (2013)

Graduation Procession Faculty Marshall, University Associate Marshall. (2002 - 2015)

University Marshall. (2013 -2015)

Member

- Search committee to hire Director for Monarch Watch, Office of Research (2023)
- Search committee, Center for Teaching Excellence, hire of new Director. (2013 - 2014)
- Water resources research steering committee. (2013 - 2015)
- Teaching Excellence Advisory Member (Center for Teaching Excellence). (2010 - 2019)
- Kansas NSF-EPSCoR management team. (2012 - 2015)
- University Strategic Planning Steering Committee. (2010 - 2011)
- University Sustainability Advisory Board. (2009 - 2011)
- Phi Kappa Phi Fellowship Selection Committee. (2005) Mentor
- Faculty mentor and home-host for visiting Fulbright Scholars. (2003-2004)

Moderator of Town hall meeting with Lisa Jackson, Administrator of the US Environmental Protection Agency. (2012)

Proposal reviewer for The Commons Nature and Culture Interdisciplinary Grant Program.

(2010 - 2011)

Faculty address to incoming freshman and parents at KU Orientation, Woodruff Auditorium. (2013)

College of Liberal Arts and Sciences

Chair

- Center for Global and International Studies Executive Committee. (2009 - 2011)
- Latin American Studies Executive Committee. (2010 - 2012, 2016-2018)
- Search committee, Center for Latin American and Caribbean Studies, selected new Director (2011)

Co-Chair

Research cluster conference: Mercosur and Latin American Regionalism: Land, Business, Environment, and Politics. (2013)

Coordinator

Workshop to launch the KU-Land Institute Initiative. (2013)

Peer Teaching Evaluator

- Ward Lyles, Urban Planning. (2024)
- Alex Diener, Geography. (2014)
- Sara Gregg, History. (2013)
- Greg Cushman, History. (2012)
- Shannon O'Lear, Geography. (2007)
- Johannes Feddema, Geography. (2006)
- Nate Brunsell, Geography and Atmospheric Science. (2006)
- So-Min Cheong, Geography. (2006)

Member

- Strategic Planning for School of Languages, Literatures, and Cultures (SLLC), Subcommittee
B. Maintaining Collaborative Relationships with Area Studies Centers. (2013 - 2014)
- Search committee, Geology, selected new chair. (2011)
- College Committee on Sabbaticals and Leaves. (2007 - 2009)
- Search committee, Spanish and Portuguese, selected new department chair. (2006)
- Search committee, Ecology and Evolutionary Biology, Global biodiversity position. (2003)
- Search committee, History, International Environmental History Position, hired Greg Cushman. (2003)
- Undergraduate program committee, Center for Latin American and Caribbean Studies (2002-2007)
- Executive Committee, Center for Latin American and Caribbean Studies (2012-2014)

Environmental Studies Program

Member

- Academic Affairs (2022-present)
- Faculty affairs. (2005 - 2006)
- Ad hoc committee on enrollment. (2005)
- Undergraduate program committee. (2002 - 2005)

Geography and Atmospheric Science

Chair

- Search committee for new chair. (2014)

Co-Chair

- Colloquium committee. (2011-2012)

Co-instructor

- Graduate student ethics in research training. (Regular presenter since 2013)

Member

- NSF-IGERT Faculty. (2010 - 2012)
- Faculty affairs. (2005 - 2006)
- Search Committee for East Asia Geographer that hired So-Min Cheong. (2005)
- Curriculum and Outreach. (2004)
- Search committee that hired Shannon O’Lear. (2004)
- Undergraduate Program Committee. (2002 – 2003)

Profession

Co-organizer

- Session on biofuel production in Brazil. Latin American Studies Association Meeting, Rio, Brazil. (2009)
- Brazilian Studies Association, Sessions on Commodity Geographies of Brazil, BRASA, New Orleans. (2008)
- Session on New Research Agendas in Amazonian Development. AAG Annual Meeting, Philadelphia. (2004)
- Session on the Politics of Scale and Political Ecology. AAG Annual Meeting, Los Angeles. (2002)
- Session on use of insects in studies of environmental change. AAG Annual Meeting, Pittsburgh. (2000)

Organizer

- Session on the politics of sustainable development in the Amazon. Latin American Studies Association Meeting, Miami. (2000)
- Organizer of session on NGOs as mediators of human-environment relationships in Latin America. AAG Annual Meeting, Hawaii. (1999)

Participant

- Invited participant in a webcast for UCLA Office of Instructional Development. The Hybrid Class: How the Web Can Change the Classroom. Part of forum on Scholarship in a New Media Environment. (2000)
- Advised undergraduate and graduate students in writing grants such as Fulbrights to study abroad. Office of Special Fellowships, UCLA. (1998 - 2000)

Reviewer, grant proposals

- Austrian Science Fund. (2012)
- Fulbright IIE National Screening Committee for MA and PhD project proposals to Brazil. (2008, 2010, 2023)
- NSF Geography and Spatial Sciences Doctoral Dissertation Research Improvement Panel. (2012 - 2015, 2017, 2023)

Reviewer, journal articles

- Ambio, Annals of the Association of American Geographers, Applied Geography, Cultural Geographies, Environment and Planning A, Forests, Geoforum, GeoJournal, Global Environmental Change, Journal of Biogeography, Journal of Development Studies, Journal of Environmental Policy and Planning, Journal of Latin American Geography, Land Use Policy, Law and Society Review, PLOS ONE, Political Geography, Proceedings of the National Academy of Sciences, Professional Geographer, Progress in Human Geography, Remote Sensing, Remote Sensing of Environment, Studies in Comparative International Development, World

Development.

Officer

- Secretary/Treasurer Latin American Specialty Group of the Association of American Geographers. (2007 - 2009)
- Board member of the Conference of Latin Americanist Geographers (2009 - 2011, 2015 - 2016)

Public engagement and presentations

Member

- MoKAN Regional Air Quality Coalition Planning Team, Facilitate involvement of KU faculty and students in service learning and community engaged scholarship opportunities with grassroots groups involved in the coalition. (2014 - 2015)
- Delaware Tribe of Indians Agricultural Land Collaboration. This is a stakeholder group from Lawrence, comprised of city, county, and federal agency officials, KU officials and academic representatives, and leaders of the Delaware Tribe of Indians. We meet to discuss possible uses of land recently acquired by the Tribe. (2013).

Presenter

- Life cycles of bees and flowers of the rainforest. 3rd grade class at Quail Run Elementary, Lawrence, Kansas. (2011, 2012, 2013)
- Moving a family to Brazil. 7th grade World Languages class, Southwest Middle School, Lawrence, Kansas. (2015)
- Food Chain\$. Screening of film, followed by a panel discussion and questions from audience, Liberty Hall, Lawrence, KS. (2015)
- Energy, economy, and environment in Brazil. KU Mini-College, Phoenix, Arizona. (2013)
- Food, fuel, and forests. Sustainability Action Network, Lawrence, Kansas. (2013)
- Brown, J. C. (2013). Geography, the Environment and Accessible Information. Research Corner Talks, Watson Library, University of Kansas. (2013)
- The bees of the rainforest. 3rd grade class at Quail Run Elementary, Lawrence, Kansas. (2012)
- The End of Oil. Lawrence Public Library, Lawrence, Kansas. (2011)
- What's in your cup of coffee?: Lawrence Rotary Club Breakfast, Lawrence, Kansas. (2011)

PRESS

“Deforestation harms biodiversity of the Amazon’s perfume-loving orchid bees” KU News Service. (April 10, 2024), <https://news.ku.edu/news/article/deforestation-harms-biodiversity-of-the-amazons-perfume-loving-orchid-bees>

“Amazon deforestation threatens one of Brazil’s key pollinators, study shows” Mongabay, (June 5, 2024), <https://news.mongabay.com/2024/06/amazon-deforestation-threatens-one-of-brazils-key-pollinators-study-shows/>

“Researcher undertakes largest-ever survey of Brazil’s stingless bees” KU News Service. (October 1, 2013), <https://news.ku.edu/2013/10/01/researcher-undertakes-largest-ever-survey-brazils-stingless-bees>

“Lessons learned in Kansas could shape policy for endangered ecosystem in Brazil” KU News Service. (January 30, 2013), <https://news.ku.edu/news/article/2013/01/30/lessons-learned-kansas-could-shape-policy-endangered-ecosystem-brazil>

Serra, Maria C. “Desafio Animal” O Globo Amais. Rio de Janeiro, Brazil: O Globo. (June 5, 2014), interviewed concerning participation in the Pantanal Wildlife Program (Bichos do Pantanal Projeto Ambiental)

LANGUAGES Fluent Portuguese and proficient Spanish