

Bibliography

Note: Numbers in square brackets denote the chapter in which an entry is cited.

- Abbott, J. A. 2005. Counting Beans: Agrobiodiversity, Indigeneity, and Agrarian Reform. *Prof. Geogr.* **57**:198–212. [12]
- Acosta-Martínez, V., C. W. Bell, B. E. L. Morris, J. Zak, and V. G. Allen. 2010. Long-Term Soil Microbial Community and Enzyme Activity Responses to an Integrated Cropping-Livestock System in a Semi-Arid Region. *Agricul. Ecosyst. Environ.* **137**:231–240. [4]
- Adu-Gyamfi, P., T. Mahmood, and R. Trethowan. 2015. Can Wheat Varietal Mixtures Buffer the Impacts of Water Deficit? *Crop Past. Sci.* **66**:757–769. [4]
- AFSA. 2017. Resisting Corporate Takeover of African Seed Systems and Building Farmer Managed Seed Systems for Food Sovereignty in Africa. Kampala, Uganda: Alliance for Food Sovereignty in Africa. [8]
- Agrawal, A., and C. Gibson. 1999. Enchantment and Disenchantment: The Role of Community in Natural Resource Conservation. *World Dev.* **27**:629–649. [13]
- Ahmed, S., U. Unachukwu, J. R. Stepp, et al. 2010. Puerh Tea Tasting in Yunnan, China: Correlation of Drinkers' Perceptions to Phytochemistry. *J. Ethnopharmacol.* **132**:176–185. [9]
- Ahn, Y. Y., S. E. Ahnert, J. P. Bagrow, and A. L. Barabási. 2011. Flavor Network and the Principles of Food Pairing. *Nature Sci. Rep.* **1**:196. [2]
- Ahuja, M. R., and S. M. Jain, eds. 2015. Genetic Diversity and Erosion in Plants: Indicators and Prevention. Cham: Springer. [14]
- Aistara, G. 2011. Seeds of Kin, Kin of Seeds: The Commodification of Organic Seeds and Social Relations in Costa Rica and Latvia. *Ethnography* **12**:490–517. [8, 13, 14]
- . 2012. Privately Public Seeds: Competing Visions of Property, Personhood, and Democracy in Costa Rica's Entry into Cafta and the Union for Plant Variety Protection (UPOV). *J. Polit. Ecol.* **19**:127–144. [13]
- . 2014a. Actually Existing Tomatoes: Politics of Memory, Variety, and Empire in Latvian Struggles over Seeds. *Focaal* **69**:12–27. [13, 14]
- . 2014b. Latvia's Tomato Rebellion: Nested Environmental Justice and Returning Eco-Sociality in the Post-Socialist EU Countryside. *J. Balt. Stud.* **45**:105–130. [14]
- . 2018. Organic Sovereignties: Struggles over Farming in an Age of Free Trade. Seattle: Univ. of Washington Press. [13]
- Aksoy, Z. 2014. Local–Global Linkages in Environmental Governance: The Case of Crop Genetic Resources. *Glob. Environ. Polit.* **14**:26–44. [14]
- Alexiades, M. N., ed. 2012. Mobility and Migration in Indigenous Amazonia: Contemporary Ethnoecological Perspectives. Environmental Anthropology and Ethnobiology, vol. 11. New York: Berghahn Books. [8]
- Allaby, R. G., J. L. Kitchen, and D. Q. Fuller. 2015. Surprisingly Low Limits of Selection in Plant Domestication. *Evol. Bioinform. Online* **11(Suppl. 2)**:41–51. [7]
- Almekinders, C. J. M., and W. de Boef. 1999. The Challenge of Collaboration in the Management of Crop Genetic Diversity. *ILEIA News* **4**:5–7. [6]
- Almekinders, C. J. M., L. O. Fresco, and P. C. Struijk. 1995. The Need to Study and Manage Variation in Agro-Ecosystems. *NJAS* **43**:127–142. [1, 6]
- Almekinders, C. J. M., and N. P. Louwaars. 2002. The Importance of the Farmers' Seed Systems in a Functional National Seed Sector. *J. New Seeds* **4**:15–33. [13, 14]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Almekinders, C. J. M., L. Mertens, J. P. van Loon, and E. T. Lammerts van Bueren. 2014. Potato Breeding in the Netherlands: A Successful Participatory Model with Collaboration between Farmers and Commercial Breeders. *Food Secur.* **6**:515–524. [6]
- Altieri, M. A. 1999. The Ecological Role of Biodiversity in Agroecosystems. *Agricul. Ecosyst. Environ.* **74**:19–31. [13]
- Altieri, M. A., F. R. Funes-Monzote, and P. Petersen. 2012. Agroecologically Efficient Agricultural Systems for Smallholder Farmers: Contributions to Food Sovereignty. *Agronom. Sustain. Devel.* **32**:1–13. [11]
- Altieri, M. A., and V. Manuel Toledo. 2011. The Agroecological Revolution in Latin America: Rescuing Nature, Ensuring Food Sovereignty and Empowering Peasants. *J. Peasant Stud.* **38**:587–612. [11]
- Altieri, M. A., C. I. Nicholls, A. Henao, and M. A. Lana. 2015. Agroecology and the Design of Climate Change-Resilient Farming Systems. *Agronom. Sustain. Devel.* **35**:869–890. [6, 7]
- Alvarez, N., E. Garine, C. Khasah, et al. 2005. Farmers' Practices, Metapopulation Dynamics, and Conservation of Agricultural Biodiversity on-Farm: A Case Study of Sorghum among the Duupa in Sub-Saharan Cameroon. *Biol. Conserv.* **121**:533–543. [8, 13]
- Amend, T., J. Brown, A. Kothari, A. Phillips, and S. Stoltton, eds. 2008. Protected Landscapes and Agrobiodiversity Values. Protected Landscapes and Seascapes, vol. 1. Heidelberg: Kasperek Verlag. [9]
- Andersen, R. 2006. Governing Agrobiodiversity: A Framework for Analysis of Aggregate Effects of International Regimes (paper presented at the IDGEC Synthesis Conf.). Bali: IDGEC. [15]
- . 2008. Governing Agrobiodiversity: Plant Genetics and Developing Countries. Farnham: Ashgate Publishing Ltd. [14]
- . 2016. Farmers' Rights: Evolution of the International Policy Debate and National Implementation. In: Farmers' Crop Varieties and Farmers' Rights: Challenges in Taxonomy and Law, ed. M. Halewood, pp. 129–152. Abingdon, UK: Earthscan. [14]
- . 2017. Who Owns Agricultural Biodiversity? Rights, Responsibilities and Roles. In: Routledge Handbook of Agricultural Biodiversity, ed. D. Hunter et al. London: Routledge. [14]
- Andersen, R., and T. Winge, eds. 2013. Realising Farmers' Rights to Crop Genetic Resources: Success Stories and Best Practices New York: Routledge. [13]
- Anderson, C. L., L. Lipper, T. J. Dalton, et al. 2010. Project Methodology: Using Markets to Promote the Sustainable Utilization of Crop Genetic Resources. In: Seed Trade in Rural Markets, ed. L. Lipper et al., pp. 31–48. London: Earthscan. [15]
- Angelsen, A., P. Jagger, R. Babigumira, et al. 2014. Environmental Income and Rural Livelihoods: A Global-Comparative Analysis. *World Dev.* **64**:12–28. [9]
- Angelsen, A., and S. Wunder. 2003. Exploring the Forest-Poverty Link: Key Concepts, Issues and Research Implications, Occasional Paper No. 40. Bogor, Indonesia: Center for Intl. Forestry Research. [9]
- Apffel-Marglin, F. 2002. From Fieldwork to Mutual Learning: Working with Pratec. *Environ. Val.* **11**:345–367. [2]
- Aprile, M. C., V. Caputo, and R. M. Nyaga, Jr. 2012. Consumers' Valuation of Food Quality Labels: The Case of European Geographic Indication and Organic Farming Labels. *Int. J. Consum. Stud.* **36**:158–165. [14]
- Araújo, M. B., A. Rozenfeld, C. Rahbek, and P. A. Marquet. 2011. Using Species Co-Occurrence Networks to Assess the Impacts of Climate Change. *Ecography* **34**:897–908. [2]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Argumedo, A. 2008. The Potato Park, Peru: Conserving Agrobiodiversity in an Andean Indigenous Biocultural Heritage Site. In: Protected Landscapes and Agrobiodiversity Values, ed. T. Amend et al., pp. 45–58. Heidelberg: International Union for the Conservation of Nature. [2, 5]
- . 2012. Decolonising Action-Research: The Potato Park Biocultural Protocol for Benefit-Sharing. In: Biodiversity and Culture: Exploring Community Protocols, Rights and Consent, ed. K. Swiderska et al., vol. 65, Participatory Learning and Action, pp. 91–100. London: International Institute for Environment and Development. [2]
- Argumedo, A., and M. Pimbert. 2006. Protecting Indigenous Knowledge against Biopiracy in the Andes. London: IIED. [12]
- Asseng, S., F. Ewert, P. Martre, et al. 2015. Rising Temperatures Reduce Global Wheat Production. *Nat. Clim. Chang.* **5**:143–147. [3]
- Atlin, G. N., J. E. Cairns, and B. Das. 2017. Rapid Breeding and Varietal Replacement Are Critical to Adaptation of Cropping Systems in the Developing World to Climate Change. *Glob. Food Sec.* **12**:31–37. [7]
- Atran, S., D. Medin, N. Ross, et al. 1999. Folk Ecology and Commons Management in the Maya Lowlands. *PNAS* **96**:7598–7603. [2]
- Aubry, C., and L. Kebir. 2013. Shortening Food Supply Chains: A Means for Maintaining Agriculture Close to Urban Areas? The Case of the French Metropolitan Area of Paris. *Food Pol.* **41**:85–93. [8]
- Ávila, J. V. D. C., A. S. D. Mello, M. E. Beretta, et al. 2017. Agrobiodiversity and in Situ Conservation in Quilombola Home Gardens with Different Intensities of Urbanization. *Acta Bot. Brasilica* **31**(1):1–10. [8]
- Avila-Garcia, P. 2016. Towards a Political Ecology of Water in Latin America. *Rev. Estudio. Social.* **55**:18–31. [9]
- Badr, A., K. Müller, S.-P. R., et al. 2000. On the Origin and Domestication History of Barley (*Hordeum Vulgare*). *Mol. Biol. Evol.* **17**:499–510. [3]
- Badstue, L. B., M. R. Bellon, J. Berthaud, et al. 2006. Examining the Role of Collective Action in an Informal Seed System: A Case Study from the Central Valleys of Oaxaca, Mexico. *Hum. Ecol.* **34**:249–273. [13]
- Baker, L. E. 2004. Tending Cultural Landscapes and Food Citizenship in Toronto’s Community Gardens. *Geogr. Rev.* **94**:305–325. [8]
- . 2008. Local Food Networks and Maize Agrodiversity Conservation: Two Case Studies from Mexico. *Local Environ.* **13**:235–251. [11]
- Bakker, M. G., D. K. Manter, A. M. Sheflin, T. L. Weir, and J. M. Vivanco. 2012. Harnessing the Rhizosphere Microbiome through Plant Breeding and Agricultural Management. *Plant Soil* **360**:1–13. [4]
- Balázs, B., and G. Aistara. 2018. The Emergence, Dynamics, and Agency of Social Innovation in Seed Exchange Networks. *Int. J. Sociol. Agricult. Food* **24**:336–353. [13]
- Balázs, B., A. Smith, G. Aistara, and G. Bela. 2015. WP 4: Case Study Report: Transnational Seed Exchange Networks, Transit: EU SHH.2013.3.2-1 Grant Agreement No: 613169. [13]
- Baranski, M. R. 2015a. The Wide Adaptation of Green Revolution Wheat. PhD dissertation, Arizona State Univ. [6]
- . 2015b. Wide Adaptation of Green Revolution Wheat: International Roots and the Indian Context of a New Plant Breeding Ideal, 1960-1970. *Stud. Hist. Philos. Biol. Biomed. Sci.* **50**:41–50. [6, 7, 14]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Barbeau, W., and K. Hilu. 1993. Protein, Calcium, Iron, and Amino-Acid Content of Selected Wild and Domesticated Cultivars of Finger Millet. *Plant Foods Hum. Nutr.* **43**:97–104. [2]
- Bardsley, D. 2003. Risk Alleviation via *in Situ* Agrobiodiversity Conservation: Drawing from Experiences in Switzerland, Turkey and Nepal. *Agricul. Ecosyst. Environ.* **99**:149–157. [15]
- Barker, J. S. F. 1999. Conservation of Livestock Breed Diversity. *Anim. Genet. Res. Info.* **25**:33–43. [2]
- Barnaud, A., M. Deu, E. Garine, et al. 2009. A Weed–Crop Complex in Sorghum: The Dynamics of Genetic Diversity in a Traditional Farming System. *Am. J. Bot.* **96**:1869–1879. [2]
- Barrett, C. B., M. R. Carter, and C. P. Timmer. 2010. A Century-Long Perspective on Agricultural Development. *Am. J. Agric. Econ.* **92**:447–468. [8]
- Barrett, C. B., T. Reardon, and P. Webb. 2001. Nonfarm Income Diversification and Household Livelihood Strategies in Rural Africa: Concepts, Dynamics, and Policy Implications. *Food Pol.* **26**:315–331. [7]
- Barrios, E. 2007. Soil Biota, Ecosystem Services and Land Productivity. *Ecol. Econ.* **64**:269–285. [4]
- Barthel, S., C. Crumley, and U. Svedin. 2013. Biocultural Refugia: Combating the Erosion of Diversity in Landscapes of Food Production. *Ecol. Soc.* **18**:71. [11]
- Bassett, T. J., and D. Gautier. 2014. Regulation by Territorialization: The Political Ecology of Conservation & Development Territories. *EchoGéo DOI : 10.4000/echo-geo.14038* [8]
- Baumgärtner, S., and M. F. Quaas. 2008. Agro-Biodiversity as Natural Insurance and the Development of Financial Insurance Markets. In: Agrobiodiversity, Conservation and Economic Development, ed. A. Kontoleon et al., pp. 293–317. London: Routledge. [15]
- . 2010. Managing Increasing Environmental Risks through Agrobiodiversity and Agrienvironmental Policies. *Agric. Econ.* **41**:483–496. [7]
- Bazakos, C., M. Hanemian, C. Trontin, J. M. Jiménez-Gómez, and O. Loudet. 2017. New Strategies and Tools in Quantitative Genetics: How to Go from the Phenotype to the Genotype. *Annu. Rev. Plant Biol.* **68**:435–455. [3]
- Bazile, D., S.-E. Jacobsen, and A. Verniau. 2016. The Global Expansion of Quinoa: Trends and Limits. *Front. Plant Sci.* **7**:1–6. [5]
- Beaumont, M. A., W. Zhang, and D. J. Balding. 2002. Approximate Bayesian Computation in Population Genetics. *Genetics* **162**:2025–2035. [3]
- Bebbington, A., and J. Carney. 1990. Geography in the International Agricultural Research Centers: Theoretical and Practical Concerns. *Ann. Assoc. Am. Geogr.* **80**:34–48. [6]
- Bedmar Villanueva, A., M. Halewood, and I. López Noriega. 2015. Agricultural Biodiversity in Climate Change Adaptation Planning: An Analysis of the National Adaptation Programmes of Action. CCAFS Working Paper No. 95. Copenhagen: CGIAR. [7]
- Beebe, S., O. Toro, A. V. Gonzalez, M. I. Chacon, and D. G. Debouck. 1997. Wild-Weed-Crop Complexes of Common Bean (*Phaseolus Vulgaris* L., Fabaceae) in the Andes of Peru and Colombia, and Their Implications for Conservation and Breeding. *Genet. Resour. Crop Evol.* **44**:73–91. [4]
- Beeching, J. R., P. Marmey, M. C. Gavalda, et al. 1993. An Assessment of Genetic Diversity within a Collection of Cassava (*Manihot Esculenta* Crantz) Germplasm Using Molecular Markers. *Ann. Bot.* **72**:515–520. [2]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Belimov, A. A., I. C. Dodd, V. I. Safronova, et al. 2015. Rhizobacteria That Produce Auxins and Contain 1-Amino-Cyclopropane-1-Carboxylic Acid Deaminase Decrease Amino Acid Concentrations in the Rhizosphere and Improve Growth and Yield of Well-Watered and Water-Limited Potato (*Solanum tuberosum*). *Ann. Appl. Biol.* **167**:11–25. [4]
- Bellon, M. R. 1991. The Ethnoecology of Maize Variety Management: A Case Study from Mexico. *Hum. Ecol.* **19**:389–418. [12]
- . 1996. The Dynamics of Crop Infraspecific Diversity: A Conceptual Framework at the Farmer Level. *Econ. Bot.* **50**:26–39. [13]
- . 2004. Conceptualizing Interventions to Support On-Farm Genetic Resource Conservation. *World Dev.* **32**:159–172. [8, 15]
- Bellon, M. R., and S. B. Brush. 1994. Keepers of Maize in Chiapas, Mexico. *Econ. Bot.* **48**:196–209. [13]
- Bellon, M. R., E. Dulloo, J. Sardos, I. Thormann, and J. J. Burdon. 2017. *In Situ* Conservation: Harnessing Natural and Human-Derived Evolutionary Forces to Ensure Future Crop Adaptation. *Evol. Appl.* **10**:965–977. [1, 5]
- Bellon, M. R., and J. Hellin. 2011. Planting Hybrids, Keeping Landraces: Agricultural Modernization and Tradition among Small-Scale Maize Farmers in Chiapas, Mexico. *World Dev.* **39**:1434–1443. [8]
- Bellon, M. R., D. Hodson, B. D., et al. 2005. Targeting Agricultural Research to Benefit Poor Farmers: Relating Poverty Mapping to Maize Environments in Mexico. *Food Pol.* **30**:476–492. [14]
- Bellon, M. R., D. Hodson, and J. Hellin. 2011. Assessing the Vulnerability of Traditional Maize Seed Systems in Mexico to Climate Change. *PNAS* **108**:13432–13437. [2, 7]
- Bellon, M. R., G. D. Ntandou-Bouzitou, and F. Caracciolo. 2016. On-Farm Diversity and Market Participation Are Positively Associated with Dietary Diversity of Rural Mothers in Southern Benin, West Africa. *PLoS One* **11**:e0162535. [13]
- Bellon, M. R., and J. Risopoulos. 2001. Small-Scale Farmers Expand the Benefits of Improved Maize Germplasm: A Case Study from Chiapas, Mexico. *World Dev.* **29**:799–811. [13]
- Bellon, M. R., and J. E. Taylor. 1993. Folk Soil Taxonomy and the Partial Adoption of New Seed Varieties. *Econ. Dev. Cult. Change* **41**:763–786. [4]
- Bellon, M. R., and J. van Etten. 2014. Climate Change and On-Farm Conservation of Crop Landraces in Centres of Diversity. In: Plant Genetic Resources and Climate Change, ed. M. Jackson et al., pp. 137–150. [7]
- Beltrame, D. M. O., C. N. S. Oliveira, T. Borelli, et al. 2016. Diversifying Institutional Food Procurement: Opportunities and Barriers for Integrating Biodiversity for Food and Nutrition in Brazil. *Rev. Raizes* **36**:55–69. [10, 15]
- Bennett, E. M., G. S. Cumming, and G. D. Peterson. 2005. A Systems Model Approach to Determining Resilience Surrogates for Case Studies. *Ecosystems* **8**:945–957. [8]
- Bentley, J. W. 1991. What Is Hielo: Honduran Farmers Perceptions of Diseases of Beans and Other Crops. *Interciencia* **16**:131–137. [4]
- Berg, G. 2009. Plant–Microbe Interactions Promoting Plant Growth and Health: Perspectives for Controlled Use of Microorganisms in Agriculture. *Appl. Microbiol. Biotechnol.* **84**:11–18. [15]
- Berkes, F. 2012. Sacred Ecology. New York: Routledge. [12]
- Berkes, F., J. Colding, and C. Folke. 2000. Rediscovery of Traditional Ecological Knowledge as Adaptive Management. *Ecol. Appl.* **10**:1251–1262. [11]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Berkman, L. F., and T. Glass. 2000. Social Integration, Social Networks, Social Support, and Health. In: *Social Epidemiology*, ed. L. F. Berkman and I. Kawachi, pp. 137–153. New York: Oxford University Press. [11]
- Berkman, L. F., T. Glass, I. Brissette, and T. E. Seeman. 2000. From Social Integration to Health: Durkheim in the New Millennium. *Soc. Sci. Med.* **51**:843–867. [11]
- Berland, J. P., and R. Lewontin. 1986. Breeders' Rights and Patenting Life Forms. *Nature* **322**:785–788. [14]
- Berlin, B. 1992. Ethnobiological Classification: Principles of Categorization of Plants and Animals in Traditional Societies. Princeton Princeton Univ. Press. [13]
- Berlin, E. A., and B. Berlin. 2015. Medical Ethnobiology of the Highland Maya of Chiapas, Mexico: The Gastrointestinal Diseases. Princeton: Princeton Univ. Press. [12]
- Bertazzini, M., and G. Forlani. 2016. Intraspecific Variability of Floral Nectar Volume and Composition in Rapeseed (*Brassica Napus L. Var. Oleifera*). *Front. Plant Sci.* **7**:288. [4]
- Berthet, E. T. A., C. Barnaud, N. Girard, J. Labatut, and G. Martin. 2016. How to Foster Agroecological Innovations? A Comparison of Participatory Design Methods. *J. Environ. Plann. Manage.* **59**:280–301. [7]
- Berthrong, S. T., D. H. Buckley, and L. E. Drinkwater. 2013. Agricultural Management and Labile Carbon Additions Affect Soil Microbial Community Structure and Interact with Carbon and Nitrogen Cycling. *Microb. Ecol.* **66**:158–170. [4]
- Berti, P. R., and A. D. Jones. 2013. Biodiversity's Contribution to Dietary Diversity: Magnitude, Meaning and Measurement. In: *Diversifying Food and Diets: Using Agricultural Biodiversity to Improve Nutrition and Health*, ed. J. Fanzo et al., pp. 186–206. London: Earthscan. [10]
- Berti, P. R., J. Krasevec, and S. FitzGerald. 2004. A Review of the Effectiveness of Agriculture Interventions in Improving Nutrition Outcomes. *Public Health Nutr.* **7**:599–609. [10]
- Bhandari, B. 2009. Summer Rainfall Variability and the Use of Rice (*Oryza Sativa L.*) Varietal Diversity for Adaptation. M. Sc. dissertation, Swedish Univ. of Agricultural Sciences, Uppsala. [4]
- Bharucha, Z., and J. Pretty. 2010. The Roles and Values of Wild Foods in Agricultural Systems. *Philos. Trans. R. Soc. Lond. B Biol. Sci.* **365**:2913–2926. [11]
- Bhattarai, B., R. Beilin, and R. Ford. 2015. Gender, Agrobiodiversity, and Climate Change: A Study of Adaptation Practices in the Nepal Himalayas. *World Dev.* **70**:122–132. [6, 9]
- Bianchi, F. J. J. A., C. J. H. Booij, and T. T. Tscharntke. 2006. Sustainable Pest Regulation in Agricultural Landscapes: A Review on Landscape Composition, Biodiversity and Natural Pest Control. *Proc. R. Soc. Lond. B Biol. Sci.* **273**:1715–1727. [2, 13, 15]
- Bianchi, F. J. J. A., V. Mikos, L. Brussaard, B. Delbaere, and M. M. Pulleman. 2013. Opportunities and Limitations for Functional Agrobiodiversity in the European Context. *Environ. Sci. Policy* **27**:223–231. [9]
- Bioversity Intl. 2017. Mainstreaming Agrobiodiversity in Sustainable Food Systems: Scientific Foundations for an Agrobiodiversity Index. Rome: Bioversity Intl. [8, 10]
- Birol, E., M. Smale, and Á. Gyovai. 2006. Using a Choice Experiment to Estimate Farmers' Valuation of Agrobiodiversity on Hungarian Small Farms. *Environ. Resour. Econ.* **34**:439–469. [14]
- Bishopp, A., and J. P. Lynch. 2015. The Hidden Half of Crop Yields. *Nat. Plants* **1**:15117. [4]
- Björnstad, Å., S. Tekle, and M. Göransson. 2013. "Facilitated Access" to Plant Genetic Resources: Does It Work? *Genet. Resour. Crop Evol.* **60**:1959–1965. [5]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Blanco, J., L. Pascal, L. Ramon, H. Vandenbroucke, and C. S. M. 2013. Agrobiodiversity Performance in Contrasting Island Environments: The Case of Shifting Cultivation in Vanuatu, Pacific. *Agricul. Ecosyst. Environ.* **174**:28–39. [8]
- Bodin, J. 2010. Observed Changes in Mountain Vegetation of the Alps during the Xxth Century: Role of Climate and Land-Use Changes. Ph.D. thesis, Dept. of Ecology, Univ. Henri Poincaré and Univ. Hannover. [5]
- Bodirsky, B. L., A. Popp, H. Lotze-Campen, et al. 2014. Reactive Nitrogen Requirements to Feed the World in 2050 and Potential to Mitigate Nitrogen Pollution. *Nat. Commun.* **5**:3858. [9]
- Bonanno, A., D. Constance, and M. Hendrickson. 1995. Global Agrofood Corporations and the State: The Ferruzzi Case. *Rural Sociol.* **60**:274–296. [11]
- Bonman, J. M., H. E. Bockelman, Y. Jin, R. J. Hijmans, and A. Gironella. 2007. Geographic Distribution of Stem Rust Resistance in Wheat Landraces. *Crop Sci.* **47**:1955–1963. [5]
- Bonnavé, M., G. Bleeeckx, J. Rojas Beltrán, et al. 2014. Farmers' Unconscious Incorporation of Sexually-Produced Genotypes into the Germplasm of a Vegetatively-Propagated Crop (*Oxalis Tuberosa* Mol.). *Genet. Resour. Crop Evol.* **61**:721–740. [3]
- Bonnavé, M., T. Bleeeckx, F. Terrazas, and P. Bertin. 2015. Effect of the Management of Seed Flows and Mode of Propagation on the Genetic Diversity in an Andean Farming System: The Case of Oca (*Oxalis Tuberosa* Mol.). *Agricul. Human Values* **33**:673–688. [6]
- Bonneuil, C. 2002. The Manufacture of Species: Kew Gardens, the Empire and the Standardisation of Taxonomic Practices in Late 19th Century Botany. In: Instruments, Travel and Science: Itineraries of Precision from the 17th to the 20th Century, ed. M.-N. Bourguet et al., pp. 89–215. New York: Routledge. [14]
- Boster, J. S. 1985. Selection for Perceptual Distinctiveness: Evidence from Aguaruna Cultivars of *Manihot Esculenta*. *Econ. Bot.* **39**:310–325. [2]
- Boyd, C., and T. Slaymaker. 2000. Re-Examining the More People, Less Erosion Hypothesis: Special Case or Wider Trend? ODI Natural Resource Perspectives, vol. 63. London: Overseas Development Institute. [8]
- Bradbury, E. J., A. Duputié, M. Delêtre, et al. 2013. Geographic Differences in Patterns of Genetic Differentiation among Bitter and Sweet Cassava (*Manihot Esculenta*: Euphorbiaceae). *Am. J. Bot.* **100**:857–866. [5]
- Bradbury, E. J., and E. Emshwiller. 2011. The Role of Organic Acids in the Domestication of Oxalis Tuberosa: A New Model for Studying Domestication Resulting in Opposing Crop Phenotypes. *Econ. Bot.* **65**:76–84. [8]
- Branca, G., L. Lipper, N. McCarthy, and M. C. Jolejole. 2013. Food Security, Climate Change, and Sustainable Land Management: A Review. *Agronom. Sustain. Devel.* **33**:635–650. [6, 7]
- Bretagnolle, V., and S. Gaba. 2015. Weeds for Bees? A Review. *Agronom. Sustain. Devel.* **35**:891–909. [2, 4]
- Betting, P. K., and D. N. Duvick. 1997. Dynamic Conservation of Plant Genetic Resources. *Adv. Agron.* **61**:2–51. [3]
- Broegaard, R. B., L. V. Rasmussen, N. Dawson, et al. 2017. Wild Food Collection and Nutrition under Commercial Agriculture Expansion in Agriculture-Forest Landscapes. *For. Policy Econ.* **84**:92–101. [9]
- Brondizio, E. S., and E. F. Moran. 2008. Human Dimensions of Climate Change: The Vulnerability of Small Farmers in the Amazon. *Philos. Trans. R. Soc. Lond. B Biol. Sci.* **363**:1803–1809. [9]
- Brookfield, H. C. 2001. Exploring Agrodiversity. New York: Columbia Univ. Press. [7, 8]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Brookfield, H. C., C. Padoch, H. Parsons, and M. Stocking. 2002. Cultivating Biodiversity: Understanding, Analysing and Using Agricultural Diversity. London: ITDG Publications. [4]
- Brush, S. B. 1991. A Farmer-Based Approach to Conserving Crop Germplasm. *Econ. Bot.* **45**:153–165. [14]
- . 1992. Farmer's Rights and Genetic Conservation in Traditional Farming Systems. *World Dev.* **20**:1617–1630. [14]
- . 1995. *In Situ* Conservation of Landraces in Center of Crop Diversity. *Crop Sci.* **35**:346–354. [5, 12]
- . 1999. Bioprospecting the Public Domain. *Cult. Anthropol.* **14**:535–555. [13]
- , ed. 2000. Genes in the Field: On-Farm Conservation of Crop Diversity. Rome: International Plant Genetic Resources Institute. [1, 2, 14]
- . 2004. Farmers' Bounty: Locating Crop Diversity in the Contemporary World. New Haven: Yale Univ. Press. [2, 8, 9, 14, 15]
- Brush, S. B., M. R. Bellon, R. J. Hijmans, et al. 2015. Assessing Maize Genetic Erosion. *PNAS* **112**:E1. [2, 15]
- Brush, S. B., H. J. Carney, and Z. Humán. 1981. Dynamics of Andean Potato Agriculture. *Econ. Bot.* **35**:70–88. [4, 12]
- Brush, S. B., and E. Meng. 1998. Farmers' Valuation and Conservation of Crop Genetic Resources. *Genet. Resour. Crop Evol.* **45**:139–150. [14]
- Brush, S. B., and H. R. Perales. 2007. A Maize Landscape: Ethnicity and Agro-Biodiversity in Chiapas Mexico. *Agricult. Ecosyst. Environ.* **121**:211–221. [4, 12]
- Brush, S. B., D. Tadesse, and E. Van Dusen. 2003. Crop Diversity in Peasant and Industrialized Agriculture: Mexico and California. *Soc. Nat. Resour.* **16**:123–141. [5]
- Brush, S. B., J. E. Taylor, and M. R. Bellon. 1992. Technology Adoption and Biological Diversity in Andean Potato Agriculture. *J. Dev. Econ.* **39**:365–387. [2, 3, 13]
- Brussaard, L., P. C. de Ruiter, and G. G. Brown. 2007. Soil Biodiversity for Agricultural Sustainability. *Agricult. Ecosyst. Environ.* **121**:233–244. [2, 13]
- Buchanan, R. 1992. Wicked Problems in Design Thinking. *Design Issues* **8**:5–21. [7]
- Burlingame, B., R. Charrodiere, and B. Mouille. 2009. Food Composition Is Fundamental to the Cross-Cutting Initiative on Biodiversity for Food and Nutrition. *J. Food Compost. Anal.* **22**:361–365. [10]
- Burlingame, B., and S. Dernini. 2010. Sustainable Diets and Biodiversity Directions and Solutions for Policy, Research and Action. Proc. Intl. Scientific Symposium Biodiversity and Sustainable Diets United against Hunger. Rome: FAO. [9]
- Cabrera-Medaglia, J. 2013. La Relación del Protocolo de Nagoya Con el Tratado Internacional de Recursos Fitogenéticos Para la Alimentación y la Agricultura: Opciones y Recomendaciones de Política Para Una Implementación Sinérgica a Nivel Nacional. Quito: International Union for Conservation of Nature (IUCN). [12]
- Cadima Fuentes, X., R. Van Treuren, R. Hoekstra, R. G. Van den Berg, and M. S. M. Sosef. 2017. Genetic Diversity of Bolivian Wild Potato Germplasm: Changes during *Ex Situ* Conservation Management and Comparisons with Resampled *In Situ* Populations. *Genet. Resour. Crop Evol.* **64**:331. [2]
- Caillon, S., and P. Degeorges. 2007. Biodiversity: Negotiating the Border between Nature and Culture. *Biodivers. Conserv.* **16**:2919–2931. [13, 14]
- Caillon, S., and V. Lanouguère-Bruneau. 2004. Taro Diversity in a Village of Vanua Lava Island (Vanuatu): Where, What, Who, How and Why? In: Third Taro Symposium, ed. L. Guarino et al. Nadi, Fiji Islands: Secretariat of the Pacific Community. [13]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Calvet-Mir, L., M. Calvet-Mir, J. L. Molina, and V. Reyes-Garcia. 2012a. Seeds Exchange as an Agrobiodiversity Conservation Mechanism: A Case Study in Vall Fosca, Catalan Pyrenees, Iberian Peninsula. *Ecol. Soc.* **17**:29. [11]
- Calvet-Mir, L., E. Gómez-Bagethun, and V. Reyes-García. 2012b. Beyond Food Production: Ecosystem Services Provided by Home Gardens: A Case Study in Vall Fosca, Catalan Pyrenees, Northeastern Spain. *Ecol. Econ.* **74**:153–160. [11]
- Camacho-Henriquez, A., F. Kraemer, G. Galluzzi, et al. 2015. Decentralized Collaborative Plant Breeding for Utilization and Conservation of Neglected and Underutilized Crop Genetic Resources. In: Advances in Plant Breeding Strategies: Breeding, Biotechnology and Molecular Tools, ed. J. M. Al-Khayri et al., pp. 25–61. Dordrecht: Springer. [2]
- Camadro, E. L. 2012. Relevance of the Genetic Structure of Natural Populations, and Sampling and Classification Approaches for Conservation and Use of Wild Crop Relatives: Potato as an Example. *Botany* **90**:1065–1072. [3, 5]
- Camadro, E. L., L. E. Erazzú, J. F. Maune, and M. C. Bedogni. 2012. A Genetic Approach to the Species Problem in Wild Potato. *Plant Biol.* **14**:543–554. [5]
- Campbell, B. M., S. J. Vermeulen, P. K. Aggarwal, et al. 2016. Reducing Risks to Food Security from Climate Change. *Glob. Food Sec.* **11**:34–43. [6]
- Campbell, L. G., J. Luo, and K. L. Mercer. 2013. Effect of Water Availability and Genetic Diversity on Flowering Phenology, Synchrony and Reproductive Investment in Summer Squash. *J. Agric. Sci.* **151**:775–786. [4]
- Canahua-Murillo, A. 2016. Revaloración del Conocimiento Tradicional en la Gestión de la Agrobiodiversidad: Proyecto Sipam in Puno. In: Biodiversidad y Propiedad Intelectual en Disputa, ed. S. Roca, pp. 287–305. Lima: Esan ediciones. [12]
- Cardinale, B. J., J. E. Duffy, A. Gonzalez, et al. 2012. Biodiversity Loss and Its Impact on Humanity. *Nature* **486**:59–67. [4]
- Carlos, E. J., M. T. Garcia-Conesa, and F. A. Tomas-Barberan. 2007. Nutraceuticals: Facts and Fiction. *Phytochemistry* **68**:2986–3008. [11]
- Carney, J. A. 1991. Indigenous Soil and Water Management Senegambian Rice Farming Systems. *Agricult. Human Values* **8**:37–48. [8]
- . 1993. Converting the Wetlands, Engendering the Environment: The Intersection of Gender with Agrarian Change in the Gambia. *Econ. Geogr.* **69**:329–349. [6, 8]
- . 2001. Black Rice: The African Origins of Rice Cultivation in the Americas. Cambridge, MA: Harvard Univ. Press. [8, 13]
- Carney, J. A., and R. N. Rosomoff. 2009. In the Shadow of Slavery: Africa's Botanical Legacy in the Atlantic World. Berkeley: Univ. of California Press. [6, 8, 13]
- Carrizosa, S., S. B. Brush, B. Wright, and P. McGuire, eds. 2004. Accessing Biodiversity and Sharing the Benefits: Lessons from Implementing the Convention on Biological Diversity, Iucn Environmental Policy and Law Paper No. 54. Cambridge: The World Conservation Union. [14]
- Cash, D. W., W. C. Clark, F. Alcock, et al. 2003. Knowledge Systems for Sustainable Development. *PNAS* **100**:8086–8091. [1]
- Castañeda-Álvarez, N. P., S. de Haan, H. Juárez, et al. 2015. *Ex Situ* Conservation Priorities for the Wild Relatives of Potato (*Solanum* L. Section *Petota*). *PLoS One* **10**:e0122599. [2, 5]
- Castañeda-Álvarez, N. P., C. K. Khoury, H. A. Achiganoy, et al. 2016. Global Conservation Priorities for Crop Wild Relatives. *Nat. Plants* **2**:16022. [2, 5, 9]
- CBD. 2000. What Is Agricultural Biodiversity? <https://www.cbd.int/agro/whatis.shtml> (accessed Jan. 17, 2018). [1, 8]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Ceccarelli, S. 2009. Evolution, Plant Breeding and Biodiversity. *J. Agric. Environ. Int. Dev.* **103**:131–145. [2]
- Ceccarelli, S., and S. Grando. 2007. Decentralized-Participatory Plant Breeding: An Example of Demand Driven Research. *Euphytica* **155**:349–360. [15]
- Ceccarelli, S., S. Grando, A. Amri, et al. 2001. Decentralized and Participatory Plant Breeding for Marginal Environments. In: Broadening the Genetic Base of Crop Production, ed. H. D. Cooper et al., pp. 115–136. Wallingford: CABI. [2]
- Ceccarelli, S., S. Grando, M. Maatougui, et al. 2010. Plant Breeding and Climate Changes. *J. Agric. Sci.* **148**:627–637. [4, 7]
- Ceccarelli, S., E. P. Guimarães, and E. Weltzien. 2009. Plant Breeding and Farmer Participation. Rome: FAO. [3]
- Celis, C., M. Scurrall, S. Cowgill, et al. 2004. Environmental Biosafety and Transgenic Potato in a Centre of Diversity for This Crop. *Nature* **432**:222–225. [3]
- CEPAL. 2014. Los Pueblos Indígenas en América Latina: Avances en el Último Decenio y Retos Pendientes Para la Garantía de Sus Derechos. Santiago: Comisión Económica para América Latina y el Caribe (CEPAL). [12]
- Cerdán, C. R., M. C. Rebolledo, G. Soto, B. Rapidel, and F. L. Sinclair. 2012. Local Knowledge of Impacts of Tree Cover on Ecosystem Services in Smallholder Coffee Production Systems. *Agric. Syst.* **110**:119–130. [2, 4]
- Chable, V., J. Dawson, R. Bocci, and I. Goldringer. 2014. Seeds for Organic Agriculture: Development of Participatory Plant Breeding and Farmers' Networks in France In: Organic Farming, Prototype for Sustainable Agricultures, ed. S. Bellon and S. Penvern. Dordrecht: Springer. [13]
- Challinor, A. J., J. Watson, D. B. Lobell, et al. 2014. A Meta-Analysis of Crop Yield under Climate Change and Adaptation. *Nat. Clim. Chang.* **4**:287–291. [6]
- Chambers, K. J., and J. H. Monsen. 2007. From the Kitchen and the Field: Gender and Maize Diversity in the Bajío Region of Mexico. *Singap. J. Trop. Geogr.* **28**:39–56. [8]
- Chan, K. M. A., P. Balvanera, K. Benessaiah, et al. 2016. Why Protect Nature? Rethinking Values and the Environment. *PNAS* **113**:1462–1465. [6]
- Chase Smith, R., M. Benavides, M. Pariona, and M. Tuesta. 2013. Mapping the Past and the Future: Geomatics and Indigenous Territories in the Peruvian Amazon. *Hum. Organ.* **62**:357–368. [11]
- Checkel, J. T. 1999. Why Comply? Constructivism, Social Norms and the Study of International Institutions, Arena Working Papers 99/24. Oslo: ARENA Centre for European Studies. [14]
- Chiarella, C., L. Selim, and M. Schloen. 2012. An Analysis of the Relationship between the Nagoya Protocol and Instruments Related to Genetic Resources for Food and Agriculture and Farmers' Rights. In: The 2010 Nagoya Protocol on Access and Benefit-Sharing in Perspective Implications for International Law and Implementation Challenges, ed. E. Morgera et al., pp. 83–122. Leiden: Brill Publ. [13]
- Choudhury, B., M. L. Khan, and S. Dayanandan. 2013. Genetic Structure and Diversity of Indigenous Rice (*Oryza Sativa*) Varieties in the Eastern Himalayan Region of Northeast India. *Springerplus* **2**:1–10. [3]
- Chweya, J., and C. J. M. Almekinders. 2000. Supporting the Utilization and Development of Traditional Leafy Vegetables in Africa. In: Encouraging Diversity: The Conservation and Development of Plant Genetic Resources, ed. C. J. M. Almekinders and W. D. Boef, pp. 294–299. London: ITDG. [6]
- Chweya, J. A., and P. B. Eyzaguirre, eds. 1999. The Biodiversity of Traditional Leafy Vegetables. Rome: Intl. Plant Genetic Resources Institute. [9]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Civáñ, P., H. Craig, C. J. Cox, and T. A. Brown. 2015. Three Geographically Separate Domestications of Asian Rice. *Nat. Plants* **1**:15164. [3]
- Claessens, L., J. M. Antle, J. J. Stoorvogel, et al. 2012. A Method for Evaluating Climate Change Adaptation Strategies for Small-Scale Farmers Using Survey, Experimental and Modeled Data. *Agric. Syst.* **111**:85–95. [6]
- Clark, W. C., T. P. Tomich, M. Van Noordwijk, et al. 2016. Boundary Work for Sustainable Development: Natural Resource Management at the Consultative Group on International Agricultural Research (CGIAR). *PNAS* **113**:4615–4622. [1]
- Cleveland, D., D. Soleri, and S. E. Smith. 1994. Do Folk Crop Varieties Have a Role in Sustainable Agriculture? *Bioscience* **44**:740–751. [13]
- Cloutault, J., A.-C. Thuillet, M. Buiron, et al. 2012. Evolutionary History of Pearl Millet (*Pennisetum Glaucum* [L.] R. Br.) and Selection on Flowering Genes since Its Domestication. *Mol. Biol. Evol.* **29**:1199–1212. [3]
- Coats, V. C., and M. E. Rumpho. 2014. The Rhizosphere Microbiota of Plant Invaders: An Overview of Recent Advances in the Microbiomes of Invasive Plants. *Front. Microbiol.* **5**:368. [2]
- Cockrall-King, J. 2012. Food and the City: Urban Agriculture and the New Food Revolution. New York: Prometheus Books. [6, 8]
- Cohn, A. S., P. Newton, J. D. B. Gil, et al. 2017. Smallholder Agriculture and Climate Change. *Annu. Rev. Environ. Resour.* **42**:347–375. [6]
- Coimbra, C. E. A., R. V. Santos, J. R. Welch, et al. 2013. The First National Survey of Indigenous People's Health and Nutrition in Brazil: Rationale, Methodology, and Overview of Results. *BMC Public Health* **13**:52. [9]
- CONABIO. 2011. Recopilación, Generación, Actualización y Análisis de Información Acerca de la Diversidad Genética de Maices y Sus Parientes Silvestres en México, Informe de Gestión y Resultados. Mexico City: Comision Nacional para el Conocimiento y Uso de la Biodiversidad. [2]
- . 2013. Bases de Datos de Maíz. Comision Nacional Para el Conocimiento y Uso de la Biodiversidad. Mexico City: Comisión Nacional para el Conocimiento y Uso de la Biodiversidad. [2]
- Condori, B., R. J. Hijmans, J. F. Ledent, and R. Quiroz. 2014. Managing Potato Biodiversity to Cope with Frost Risk in the High Andes: A Modeling Perspective. *PLoS One* **9**:e81510. [4]
- Constitutional Court Republic of Colombia. 2012. Sentence C-1051 de 2012, MP Luis Guillermo Guerrero Pérez: The Court Declares Unconstitutional the Law 1518 of 2012 “by Means of Which Approved the International Convention for the Protection of Plant Varieties.” <http://www.corteconstitucional.gov.co/RELATORIA/2012/C-1051-12.htm>. (accessed July 21, 2017). [12]
- Coomes, O. T. 2010. Of Stakes, Stems, and Cuttings: The Importance of Local Seed Systems in Traditional Amazonian Societies. *Prof. Geogr.* **62**:323–334. [13]
- Coomes, O. T., S. J. McGuire, E. Garine, et al. 2015. Farmer Seed Networks Make a Limited Contribution to Agriculture? Four Common Misconceptions. *Food Pol.* **56**:41–50. [2, 11, 13]
- Cordell, D., J.-O. Drangert, and S. White. 2009. The Story of Phosphorus: Global Food Security and Food for Thought. *Glob. Environ. Change* **19**:292–305. [9]
- Corntassel, J. J. 2003. Who Is Indigenous? Peoplehood and Ethnonationalist Approaches to Rearticulating Indigenous Identity. *Nationalism Ethn. Polit.* **9**:75–100. [12]
- Costanzo, A., and P. Barberi. 2016. Field Scale Functional Agrobiodiversity in Organic Wheat: Effects on Weed Reduction, Disease Susceptibility and Yield. *Eur. J. Agron.* **76**:1–16. [4]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Creissen, H. E., T. H. Jorgensen, and J. K. M. Brown. 2016. Increased Yield Stability of Field-Grown Winter Barley (*Hordeum Vulgare L.*) Varietal Mixtures through Ecological Processes. *Crop Protect.* **85**:1–8. [4]
- Crosby, A. 1986. Ecological Imperialism: The Biological Expansion of Europe, 900–1900. Cambridge: Cambridge Univ. Press. [8]
- Cruz-Garcia, G. S., and P. L. Howard. 2013. I Used to Be Ashamed: The Influence of an Educational Program on Tribal and Non-Tribal Children's Knowledge and Valuation of Wild Food Plants. *Learn. Individ. Differ.* **27**:234–240. [11]
- Cruz-Garcia, G. S., and P. C. Struik. 2015. Spatial and Seasonal Diversity of Wild Food Plants in Home Gardens of Northeast Thailand. *Econ. Bot.* **69**:99–113. [10]
- Cullather, N. 2010. The Hungry World. Cambridge, MA: Harverd Univ. Press. [6]
- da Fonseca, R. R., B. D. Smith, N. Wales, et al. 2015. The Origin and Evolution of Maize in the Southwestern United States. *Nat. Plants* **1**:14003. [3]
- Daes, E. I. 1996. Working Paper for the Working Group on Indigenous Populations. New York: UN-ECOSOC, Commission on Human Rights, Sub-Commission on the Prevention of Discrimination and Protection of Minorities, 14th Session. [12]
- Dang, A., and J. V. Meenakshi. 2017. The Nutrition Transition and the Intra-Household Double Burden of Malnutrition in India. Tokyo: ADB Institute. [10]
- Darby, M. R., and E. Karni. 1973. Free Competition and the Optimal Amount of Fraud. *J. Law Econ.* **16**:67–88. [6]
- Da Vià, E. 2012. Seed Diversity, Farmers' Rights, and the Politics of Repeasantization. *Int. J. Sociol. Agricult. Food* **19**:229–242. [13]
- Davis, A. S., J. D. Hill, C. A. Chase, A. M. Johanns, and M. Liebman. 2012. Increasing Cropping System Diversity Balances Productivity, Profitability and Environmental Health. *PLoS One* **7**:e47149. [2]
- Dawson, J. C., K. M. Murphy, and S. S. Jones. 2008. Decentralized Selection and Participatory Approaches in Plant Breeding for Low-Input Systems. *Euphytica* **160**:143–154. [2]
- Dawson, J. C., P. Rivière, J. F. Berthellot, et al. 2016a. Collaborative Plant Breeding for Organic Agricultural Systems in Developed Countries. *Sustainability* **3**:1206–1223. [6]
- Dawson, N., A. Martin, and T. Sikor. 2016b. Green Revolution in Sub-Saharan Africa: Implications of Imposed Innovation for the Wellbeing of Rural Smallholders. *World Dev.* **78**:204–208. [8]
- De Boef, W. S., M. H. Thijssen, P. Shrestha, et al. 2012. Moving Beyond the Dilemma: Practices That Contribute to the on-Farm Management of Agrobiodiversity. *J. Sustain. Agricult.* **36**:788–809. [15]
- De Grenade, R., and G. P. Nabhan. 2013. Baja California Peninsula Oases: An Agro-Biodiversity of Isolation and Integration. *Appl. Geogr.* **41**:24–35. [8]
- de Haan, S. 2009. Potato Diversity at Height: Multiple Dimensions of Farmer-Driven *in-Situ* Conservation in the Andes. PhD Thesis. Wageningen Wageningen Univ. [13]
- de Haan, S., M. Bonierbale, M. Ghislain, J. Núñez, and G. Trujillo. 2007. Indigenous Biosystematics of Andean Potatoes: Folk Taxonomy, Descriptors, and Nomenclature. *Acta Horticult.* **745**:89–134. [2]
- de Haan, S., G. Burgos, R. Ccanto, et al. 2012a. Effect of Production Environment, Genotype and Process on the Mineral Content of Native Bitter Potato Cultivars Converted into White Chuño. *J. Sci. Food Agric.* **92**:2098–2105. [9]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- de Haan, S., G. Burgos, R. Liria, M. Bonierbale, and G. Thiele. 2009. The Role of Biodiverse Potatoes in the Human Diet in Central Peru: Nutritional Composition, Dietary Intake and Cultural Connotations. In: Potato Diversity at Height: Multiple Dimensions of Farmer Driven in-Situ Conservation, ed. S. de Haan, pp. 161–182. Wageningen: Wageningen Univ. [9]
- de Haan, S., J. Núñez, M. Bonierbale, and M. Ghislain. 2010. Multilevel Agrobiodiversity and Conservation of Andean Potatoes in Central Peru: Species, Morphological, Genetic, and Spatial Diversity. *Mt. Res. Dev.* **30**:222–231. [3, 5]
- de Haan, S., J. Núñez, M. Bonierbale, M. Ghislain, and J. Van der Maesen. 2013. A Simple Sequence Repeat (Ssr) Marker Comparison of a Large in- and Ex-Situ Potato Landrace Cultivar Collection from Peru Reaffirms the Complementary Nature of Both Conservation Strategies. *Diversity* **5**:505–521. [3, 14]
- de Haan, S., S. Polreich, F. Rodriguez, et al. 2016. A Long-Term Systematic Monitoring Framework for On-Farm Conserved Potato Landrace Diversity. In: Enhancing Crop Genepool Use: Capturing Wild Relative and Landrace Diversity for Crop Improvement, ed. N. Maxted et al., pp. 289–296. Boston: CABI Publishing. [2, 3, 5]
- de Haan, S., and R. N. Y. Salazar. 2006. Catálogo de Variedades de Papa Nativa de Huancavelica-Perú. Lima: Centro Internacional de la Papa. [13, 14]
- de Haan, S., M. Scurrell, C. Bastos, et al. 2012b. Becoming Wild: Investigating the Putative Origin, Feral Capacity and Ethnobotany of *Araq* Potatoes. In: Xxv Congreso de la Asociación Latinoamericana de la Papa. Überlandia: ALAP. [2]
- de Haan, S., and R. O. Villanueva. 2015. Catálogo de Variedades de Papa Nativa de Chugay, La Libertad, Perú Peru: International Potato Center (CIP). [13, 14]
- De Jonge, B. 2011. What Is Fair and Equitable Benefit-Sharing? *J. Agric. Environ. Ethics* **24**:127–146. [14]
- De La Cadena, M. 2000. Indigenous Mestizos: The Politics of Race and Culture, Cuzco, Peru, 1919–1991. Durham: Duke Univ. Press. [12]
- Delaquis, E., S. de Haan, and K. A. G. Wyckhuys. 2018. On-Farm Diversity Offsets Environmental Pressures in Tropical Agroecosystems: A Synthetic Review for Cassava-Based Systems. *Agricul. Ecosyst. Environ.* **251**:226–235. [8]
- Delêtre, M., D. B. McKey, and T. R. Hodgkinson. 2011. Marriage Exchanges, Seed Exchanges, and the Dynamics of Manioc Diversity. *PNAS* **108**:18249–18254. [3, 5, 13]
- Demeritt, D. 2001. The Construction of Global Warming and the Politics of Science. *Ann. Assoc. Am. Geogr.* **91**:307–337. [7]
- Demeulenaere, E. 2014. A Political Ontology of Seeds: The Transformative Frictions of a Farmers' Movement in Europe. *Focaal* **2014**:45–61. [13]
- De Mita, S., A.-C. Thuillet, L. Gay, et al. 2013. Detecting Selection Along Environmental Gradients: Analysis of Eight Methods and Their Effectiveness for Outbreeding and Selfing Populations. *Mol. Ecol.* **22**:1383–1399. [3]
- Denison, R. F. 2012. Darwinian Agriculture: How Understanding Evolution Can Improve Agriculture. Princeton: Princeton Univ. Press. [2]
- De Schutter, O. 2011. How Not to Think of Land-Grabbing: Three Critiques of Large-Scale Investments in Farmland. *J. Peasant Stud.* **38**:249–279. [9]
- Desclaux, D., J. M. Nolot, Y. Chiffolleau, E. Gozé, and C. Leclerc. 2008. Changes in the Concept of Genotype X Environment Interactions to Fit Agriculture Diversification and Decentralized Participatory Plant Breeding from a Pluridisciplinary Point of View. *Euphytica* **163**:533–546. [7]
- Descola, P., and G. Pálsson, eds. 1996. Nature and Society: Anthropological Perspectives. London: Routledge. [14]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Deu, M., F. Sagnard, J. Chantereau, et al. 2010. Spatio-Temporal Dynamics of Genetic Diversity in *Sorghum Bicolor* in Niger. *Theor. Appl. Genet.* **120**:1301–1313. [2]
- Devaux, A., D. Horton, C. Velasco, et al. 2009. Collective Action for Market Chain Innovation in the Andes. *Food Pol.* **34**:31–38. [15]
- Devaux, A., M. Ordinola, and D. Horton, eds. 2011. Innovation for Development: The Papa Andina Experience. Peru: International Potato Center (CIP). [15]
- Devaux, A., M. Torero, J. Donovan, and D. E. Horton. 2016. Innovation for Inclusive Value-Chain Development: Successes and Challenges. Washington, D.C.: Intl. Food Policy Research Institute (IFPRI). [5]
- de Wit, M. M. 2016. Are We Losing Diversity? Navigating Ecological, Political, and Epistemic Dimensions of Agrobiodiversity Conservation. *Agricultr. Human Values* **33**:625–640. [8, 14]
- . 2017. Stealing into the Wild: Conservation Science, Plant Breeding and the Makings of New Seed Enclosures. *J. Peasant Stud.* **44**:169–212. [14]
- Dhileepan, K. 1994. Variation in Populations of the Introduced Pollinating Weevil (*Elaeidobius Kamerunicus*) (Coleoptera: Curculionidae) and Its Impact on Fruitset of Oil Palm (*Elaeis Guineensis*) in India. *Bull. Entom. Res. India* **84**:477–485. [2]
- Di Falco, S., M. Bezabih, and M. Yesuf. 2010. Seeds for Livelihood: Crop Biodiversity and Food Production in Ethiopia. *Ecol. Econ.* **69**:1695–1702. [8]
- Diamond, J., and P. Bellwood. 2003. Farmers and Their Languages: The First Expansions. *Science* **300**:597–603. [3]
- Diener, E., and M. E. P. Seligman. 2004. Beyond Money: Toward and Economy of Well-Being. *Psychol. Sci. Public Interest* **5**:1–31. [11]
- Dillard, C. J., and J. B. German. 2000. Phytochemicals: Nutraceuticals and Human Health. *J. Sci. Food Agric.* **80**:1744–1756. [11]
- Dorst, K. 2015. Frame Innovation: Create New Thinking by Design. Cambridge, MA: MIT Press. [7]
- Dove, M. 1996. Center, Periphery, and Biodiversity: A Paradox of Governance a Developmental Challenge. In: Valuing Local Knowledge: Indigenous People and Intellectual Property Rights, ed. S. Brush and D. Stabinsky. Washington, D.C.: Island Press. [13]
- Dressler, W. W., and J. R. Bindon. 2000. The Health Consequences of Cultural Consonance: Cultural Dimensions of Lifestyle, Social Support, and Arterial Blood Pressure in an African American Community. *Am. Anthropol.* **102**:244–260. [11]
- Duru, M., O. Therond, G. Martin, et al. 2015. How to Implement Biodiversity-Based Agriculture to Enhance Ecosystem Services: A Review. *Agron. Sustain. Dev.* **35**:1259–1281. [7]
- Dutfield, G. 2010. Why Traditional Knowledge Is Important in Drug Discovery. *Future Med. Chem.* **2**:1405–1409. [12]
- Duvick, D. 1984. Genetic Diversity in Major Farm Crops on the Farm and in Reserve. *Econ. Bot.* **38**:161–178. [7]
- Dyer, G. A., A. López-Feldman, A. Yúnez-Naude, and J. E. Taylor. 2014. Genetic Erosion in Maize's Center of Origin. *PNAS* **111**:14094–14099. [2, 3, 5]
- Dze, M. 2005. State Policies, Shifting Cultivation and Indigenous Peoples in Ims. *Indigen. Aff.* **2**:30–37. [12]
- Eakin, H., H. R. Perales, K. Appendini, and S. Sweeney. 2014. Selling Maize in Mexico: The Persistence of Peasant Farming in an Era of Global Markets. *Dev. Change* **45**:133–155. [8]
- Eddleston, M., L. Karalliedde, N. Buckley, et al. 2002. Pesticide Poisoning in the Developing World: A Minimum Pesticides List. *Lancet* **360**:1163–1167. [11]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Eilers, E. J., C. Kremen, S. Smith Greenleaf, A. K. Garber, and A.-M. Klein. 2011. Contribution of Pollinator-Mediated Crops to Nutrients in the Human Food Supply. *PLoS One* **6**:e21363. [9]
- Elith, J., and J. R. Leathwick. 2009. Species Distribution Models: Ecological Explanation and Prediction across Space and Time. *Annu. Rev. Ecol. Evol. Syst.* **40**:677–697. [2, 5]
- Ellen, R., and S. Platten. 2011. The Social Life of Seeds: The Role of Networks of Relationships in the Dispersal and Cultural Selection of Plant Germplasm. *J. R. Anthropol. Inst.* **17**:563–584. [8]
- Ellis, K. E., and M. E. Barbercheck. 2015. Management of Overwintering Cover Crops Influences Floral Resources and Visitation by Native Bees. *Environ. Entomol.* **44**:999–1010. [4]
- Ellouze, W., C. Hamel, V. Vujanovic, et al. 2013. Chickpea Genotypes Shape the Soil Microbiome and Affect the Establishment of the Subsequent Durum Wheat Crop in the Semiarid North American Great Plains. *Soil Biol. Biochem.* **63**:129–141. [4]
- Ellstrand, N. C. 2003. Dangerous Liaisons? When Cultivated Plants Mate with Their Wild Relatives. Baltimore: Johns Hopkins Univ. Press. [2]
- Elzinga, C. L., D. W. Salzer, J. W. Willoughby, and D. P. Gibbs. 2001. Monitoring Plant and Animal Populations. Abingdon, UK: Blackwell. [2]
- Empaire, L., and N. Peroni. 2007. Traditional Management of Agrobiodiversity in Brazil: A Case Study of Manioc. *Hum. Ecol.* **2007**:761–768. [13]
- Enjalbert, J. N., and J. J. Johnson. 2011. Guide for Producing Dryland Camelina in Eastern Colorado. <http://extension.colostate.edu/docs/pubs/crops/00709.pdf> (accessed Sept. 11, 2018). [2]
- Entman, R. S. 1993. Framing: Toward the Clarification of a Fractured Paradigm. *J. Commun.* **43**:51–58. [7]
- Escobar, A. 1995. Encountering Development: The Making and Unmaking of the Third World. Princeton: Princeton Univ. Press. [13]
- Escobar, A., and W. Harcourt. 2002. Practices of Difference: Introducing Women and the Politics of Place. *Development* **45**:7–14. [13]
- Excoffier, L., I. Dupanloup, E. Huerta-Sánchez, V. C. Sousa, and M. Foll. 2013. Robust Demographic Inference from Genomic and Snp Data. *PLoS Genet.* **9**:e1003905. [3]
- Fafchamps, M., and R. Vargas. 2005. Selling at the Farmgate or Travelling to Market. *Am. J. Agric. Econ.* **87**:717–734. [15]
- FANTA. 2006. Developing and Validating Simple Indicators of Dietary Quality and Energy Intake of Infants and Young Children in Developing Countries: Summary of Findings from Analysis of 10 Data Sets. Washington, D.C.: Food and Nutrition Technical Assistance Project (FANTA). [10]
- FAO. 1996. Rome Declaration on World Food Security and World Food Summit Plan of Action. In: World Food Summit, November 13–17, 1996. Rome: FAO. [9, 11]
- _____. 1999a. Background Paper 1: Agricultural Biodiversity, Multifunctional Character of Agriculture and Land Conference, Sept. 1999. Maastricht: FAO. [1, 8, 9, 11]
- _____. 1999b. Women: Users, Preservers and Managers of Agrobiodiversity. Rome: FAO. [9]
- _____. 2004. What Is Agrobiodiversity? Rome: FAO. [13]
- _____. 2006. Community Diversity Seed Fairs in Tanzania: Guidelines for Seed Fairs. Rome: FAO. [5]
- _____. 2009. The International Treaty on Plant Genetic Resources for Food and Agriculture. Rome: FAO. [9]
- _____. 2010a. Policy on Indigenous and Tribal Peoples. Rome: FAO. [12]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- FAO. 2010b. The Second Report on the State of the World's Plant Genetic Resources for Food and Agriculture. Rome: FAO. [1, 3, 5, 9, 10, 15]
- _____. 2013. Food Outlook: Biennial Report on Global Food Markets, Nov. 2013. Rome: FAO. [9]
- _____. 2015. Designing Nutrition-Sensitive Agriculture Investments; Checklist and Guidance for Programme Formulation. Food and Agriculture Organization of the United Nations. Rome: FAO. [9]
- _____. 2017. FAO Cereal Supply and Demand Brief. Rome: FAO. [10]
- FAO/INFOODS. 2013. Report on the Nutrition Indicators for Biodiversity: Food Composition and Food Consumption: Global Progress Report 2013. Rome: FAO. [10]
- Fargione, J. E., and D. Tilman. 2005. Diversity Decreases Invasion via Both Sampling and Complementarity Effects. *Ecol. Lett.* **8**:604–611. [4]
- Feitosa Vasconcelos, A. C., M. Bonatti, S. L. Schlindwein, et al. 2013. Landraces as an Adaptation Strategy to Climate Change for Smallholders in Santa Catarina, Southern Brazil. *Land Use Policy* **34**:250–254. [4]
- Felix, D.-T., J. Coello-Coello, and J. Martinez-Castillo. 2014. Wild to Crop Introgression and Genetic Diversity in Lima Bean (*Phaseolus Lunatus* L.) in Traditional Mayan Milpas from Mexico. *Conser. Genet.* **15**:1315–1328. [4]
- Ferrand, D., A. Gibson, and H. Scott. 2004. Making Markets Work for the Poor: An Objective and an Approach for Governments and Development Agencies. Woodmead: ComMark Trust. [15]
- Fielder, H. V. 2015. Developing Methodologies for the Genetic Conservation of UK Crop Wild Relatives. Ph.D. Thesis. Birmingham: Univ. of Birmingham. [5]
- Fierer, N., C. L. Lauber, K. S. Ramirez, et al. 2012. Comparative Metagenomic, Phylogenetic and Physiological Analyses of Soil Microbial Communities across Nitrogen Gradients. *ISME J.* **6**:1007–1017. [4]
- Fischer, C. G., and T. Garnett. 2016. Plates, Pyramids, and Planets: Developments in National Healthy and Sustainable Dietary Guidelines: A State of Play Assessment. Rome: FAO and the Food Climate Research Network at the Univ. of Oxford. [9]
- Fischer-Kowalski, M., A. Mayer, A. Schaffartzik, and A. Reenberg, eds. 2014. Ester Boserup's Legacy on Sustainability. Heidelberg: Springer. [8]
- Fitzpatrick, I., R. Young, M. Perry, and E. Rose. 2017. The Hidden Cost of UK Food. Bristol: Sustainable Food Trust. [1]
- Flachs, A. 2015. Persistent Agrobiodiversity on Genetically Modified Cotton Farms in Telangana, India. *J. Ethnobiol.* **35**:406–426. [8]
- Foley, J. A., R. Defries, G. P. Asner, et al. 2005. Global Consequences of Land Use. *Science* **309**:570–574. [9]
- Foley, J. A., N. Ramankutty, K. A. Brauman, et al. 2011. Solutions for a Cultivated Planet. *Nature* **478**:337–342. [9]
- Fonte, S. J., S. J. Vanek, P. Oyarzun, et al. 2012. Pathways to Agroecological Intensification of Soil Fertility Management by Smallholder Farmers in the Andean Highlands. In: Advances in Agronomy, Vol. 116, ed. D. L. Sparks, vol. 116, pp. 125–184. Advances in Agronomy. Burlington: Academic Press. [4]
- Foote, J. A., S. P. Murphy, L. R. Wilkens, P. P. Basiotis, and A. Carlson. 2004. Dietary Variety Increases the Probability of Nutrient Adequacy among Adults. *J. Nutr.* **134**:1779–1785. [10]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Forouzanfar, M. H., L. Alexander, H. R. Anderson, et al. 2015. Global, Regional, and National Comparative Risk Assessment of 79 Behavioural, Environmental and Occupational, and Metabolic Risks or Clusters of Risks in 188 Countries, 1990–2013; a Systematic Analysis for the Global Burden of Disease Study 2013. *Lancet* **386**:2287–2323. [10]
- Forrest, J. R. K., R. W. Thorp, C. Kremen, and N. M. Williams. 2015. Contrasting Patterns in Species and Functional-Trait Diversity of Bees in an Agricultural Landscape. *J. Appl. Ecol.* **52**:706–715. [4]
- Fort, J. 2012. Synthesis between Demic and Cultural Diffusion in the Neolithic Transition in Europe. *PNAS* **109**:18669–18673. [7]
- Foucault, M. 1980. Power/Knowledge: Selected Interviews and Other Writings 1972–1977. New York: Pantheon Books. [14]
- . 1994/1996. The Order of Things: An Archaeology of the Human Sciences. New York: Vintage Books, Random House. [13, 14]
- Fowler, C., and P. R. Mooney. 1990. Shattering: Food, Politics and the Loss of Genetic Diversity. Tucson: Univ. Arizona Press. [9, 14]
- Fowler, G., and T. Hodgkin. 2004. Plant Genetic Resources for Food and Agriculture: Assessing Global Availability. *Annu. Rev. Environ. Resour.* **29**:143–179. [2]
- François, O., M. G. B. Blum, M. Jakobsson, and N. A. Rosenberg. 2008. Demographic History of European Populations of *Arabidopsis Thaliana*. *PLoS Genet.* **4**:e1000075. [3]
- Frantz, L. A. F., J. G. Schraiber, O. Madsen, et al. 2015. Evidence of Long-Term Gene Flow and Selection during Domestication from Analyses of Eurasian Wild and Domestic Pig Genomes. *Nat. Genet.* **47**:1141–1148. [3]
- Frei, M., and K. Becker. 2004. Agro-Biodiversity in Subsistence-Oriented Farming Systems in a Philippine Upland Region: Nutritional Considerations. *Biodivers. Conserv.* **13**:1591–1610. [15]
- Friedmann, H., and P. McMichael. 1989. Agriculture and the State System: The Rise and Decline of National Agricultures, 1870 to the Present. *Sociol. Ruralis* **29**:93–117. [11]
- Friel, S., D. Gleeson, A.-M. Thow, et al. 2013. A New Generation of Trade Policy: Potential Risks to Diet-Related Health from the Trans Pacific Partnership Agreement. *Global. Health* **9**:1–7. [9]
- Frison, E. A., J. Cherfas, and T. Hodgkin. 2011. Agricultural Biodiversity Is Essential for a Sustainable Improvement in Food and Nutrition Security. *Sustainability* **3**:238–253. [11]
- Frison, E. A., I. F. Smith, T. Johns, J. Cherfas, and P. B. Eyzaguirre. 2006. Agricultural Biodiversity, Nutrition, and Health: Making a Difference to Hunger and Nutrition in the Developing World. *Food Nutr. Bull.* **27**:167–179. [9, 11]
- Fuller, D. Q., E. Kingwell-Banham, L. Lucas, C. Murphy, and C. J. Stevens. 2015. Comparing Pathways to Agriculture. *Archaeol. Int.* **18**:61–66. [7]
- Gadgil, M., F. Berkes, and C. Folke. 1993. Indigenous Knowledge for Biodiversity Conservation. *Ambio* **22**:151–156. [12]
- Galluzzi, G., P. Eyzaguirre, and V. Negri. 2010. Home Gardens: Neglected Hotspots of Agro-Biodiversity and Cultural Diversity. *Biodivers. Conserv.* **19**:3635–3654. [8]
- García, M. E. 2013. The Taste of Conquest: Colonialism, Cosmopolitics, and the Dark Side of Peru's Gastronomic Boom. *J. Lat. Am. Caribb. Anthropol.* **18**:505–524. [8]
- Garibaldi, A., and N. Turner. 2004. Cultural Keystone Species: Implications for Ecological Conservation and Restoration. *Ecol. Soc.* **9**:1–18. [9]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Garibaldi, L. A., M. A. Aizen, A. M. Klein, S. A. Cunningham, and L. D. Harder. 2011. Global Growth and Stability of Agricultural Yield Decrease with Pollinator Dependence. *PNAS* **108**:5909–5914. [2, 9]
- Garnett, T., M. C. Appleby, A. Balmford, et al. 2013. Sustainable Intensification in Agriculture: Premises and Policies. *Science* **341**:33–34. [8]
- Garrett, K. A., and C. C. Mundt. 1999. Epidemiology in Mixed Host Populations. *Phytopathology* **89**:984–990. [2]
- Garris, A. J., T. H. Tai, J. Coburn, S. Kresovich, and S. McCouch. 2005. Genetic Structure and Diversity in *Oryza Sativa* L. *Genetics* **169**:1631–1638. [3]
- Gatto, E., A. Marino, and G. Signorino. 2013. Biodiversity and Risk Management in Agriculture: What Do We Learn from Cap Reforms? A Farm-Level Analysis. In: Proc. 53rd ERSA Congress on Regional Integration: Europe, the Mediterranean and the World Economy. Palermo: European Regional Science Association. [11]
- Gauchan, D., M. Smale, and P. Chaudhary. 2005. Market-Based Incentives for Conserving Diversity on Farms: The Case of Rice Landraces in Central Tarai, Nepal. *Genet. Resour. Crop Evol.* **52**:293–303. [15]
- Gaudin, A. C., T. N. Tolhurst, A. P. Ker, et al. 2015. Increasing Crop Diversity Mitigates Weather Variations and Improves Yield Stability. *PLoS One* **10**:e0113261. [6]
- Gavin, M., J. McCarter, A. Mead, et al. 2015. Defining Biocultural Approaches to Conservation. *Trends Ecol. Evol.* **30**:140–145. [12]
- GBD Risk Factor Collaborators. 2017. Global Burden of Disease (GBD) 2016 Risk Factor Collaborators. Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990 2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* **390**: 1345–1422. [09]
- Gepts, P. 2006. Plant Genetic Resources Conservation and Utilization. *Crop Sci.* **46**:2278–2292. [1, 5]
- Gepts, P., T. R. Famula, R. L. Bettinger, et al. 2012. Biodiversity in Agriculture: Domestication, Evolution, and Sustainability. Cambridge: Cambridge Univ. Press. [1, 3]
- Gerbault, P., R. G. Allaby, N. Boivin, et al. 2014. Storytelling and Story Testing in Domestication. *PNAS* **111**:6159–6164. [3]
- Gibney, M. J., C. G. Forde, D. Mullally, and E. R. Gibney. 2017. Ultra-Processed Foods in Human Health: A Critical Appraisal. *Am. J. Clin. Nutr.* **406**:717–724. [10]
- Gilbert, M. E., and N. M. Holbrook. 2011. Limitations to Crop Diversification for Enhancing the Resilience of Rain-Fed Subsistence Agriculture to Drought. CID Working Paper No. 228. Cambridge, MA: Center for Intl. Development, Harvard Univ. [7]
- Gilbert, P. R. 2013. Deskilling, Agrodiversity, and the Seed Trade: A View from Contemporary British Allotments. *Agricul. Human Values* **30**:193–217. [8]
- Gill, R. J., K. C. R. Balcock, M. J. F. Brown, et al. 2016. Protecting an Ecosystem Service: Approaches to Understanding and Mitigating Threats to Wild Insect Pollinators. In: *Ecosystem Services: From Biodiversity to Society*, Pt. 2, Vol. 54, ed. G. Woodward and D. A. Bohan, vol. 54, pp. 135–206. London: Academic Press. [4]
- Girard, F., and C. Frison, eds. 2018. *The Commons, Plant Breeding and Agricultural Research*. New York: Routledge. [13]
- Giuliani, A., F. Hintermann, W. Rojas, and S. Padulosi, eds. 2012. *Biodiversity of Andean Grains: Balancing Market Potential and Sustainable Livelihoods*. Rome: Bioversity Intl. [9]
- Giuliani, A., F. van Oudenhoven, and S. Mubalieva. 2011. Agricultural Biodiversity in the Tajik Pamirs: A Bridge between Market Development and Food Sovereignty. *Mt. Res. Dev.* **31**:16–26. [15]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. *Strüngmann Forum Reports*, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Gladek, E., M. Fraser, G. Roemers, et al. 2016. The Global Food System: An Analysis. Amsterdam: Metabolic. [9]
- Glaser, B., G. Guggenberger, W. Zech, and M. De Lourdes. 2003. Soil Organic Matter Stability in Amazonian Dark Earths. In: *Amazonian Dark Earths: Origins, Properties, Management*, ed. J. Lehmann et al. Dordrecht: Kluwer. [6]
- Glinwood, R., E. Ahmed, E. Qvarfordt, V. Ninkovic, and J. Pettersson. 2009. Airborne Interactions between Undamaged Plants of Different Cultivars Affect Insect Herbivores and Natural Enemies. *Arthropod Plant Interact.* **3**:215–224. [4]
- GLOPAN. 2016. Food Systems and Diets: Facing the Challenges of the 21st Century. London: Global Panel on Agriculture and Food Systems for Nutrition. [9, 10]
- Goldringer, I., J. Enjalbert, J. David, et al. 2001. Dynamic Management of Genetics Resources: A 13-Year Experiment on Wheat. Broadening the Genetic Base of Crop Production. Rome: IPGRI/FAO. [13]
- Gonsalves, J. 2013. A New Relevance and Better Prospects for Wider Uptake of Social Learning within CGIAR. In: CCAFS Working Paper No. 37. Copenhagen: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). [5]
- Gonzalez, C. G. 2011. Climate Change, Food Security, and Agrobiodiversity: Toward a Just, Resilient, and Sustainable Food System. *Fordham Environ. Law Rev.* **22**:493–522. [15]
- González-Esquivel, C. E., M. E. Gavito, M. Astier, et al. 2015. Ecosystem Service Trade-Offs, Perceived Drivers, and Sustainability in Contrasting Agroecosystems in Central Mexico. *Ecol. Soc.* **20**:38. [2, 4]
- Gorenflo, L., S. Romaine, R. Mittermeier, and K. Walker-Painemilla. 2012. Co-Occurrence of Linguistic and Biological Diversity in Biodiversity Hotspots and High Biodiversity Wilderness Areas. *PNAS* **109**:8032–8037. [12]
- GOS. 2017. A National Food Strategy for Sweden: More Jobs and Sustainable Growth Throughout the Country. Short Version of Government Bill 2016/17:104. Stockholm: Government Offices of Sweden. [1]
- Gotor, E., and C. Irungu. 2010. The Impact of Bioversity International's African Leafy Vegetables Programme in Kenya. *Impact Assess. Proj. Apprais.* **28**:41–55. [9]
- Gracey, M., and M. King. 2009. Indigenous Health Part 1: Determinants and Disease Patterns. *Lancet* **374**:65–75. [9]
- Graddy, T. G. 2013. Regarding Biocultural Heritage: *In Situ* Political Ecology of Agricultural Biodiversity in the Peruvian Andes. *Agricul. Human Values* **30**:587–604. [12]
- . 2014. Situating *in Situ*: A Critical Geography of Agricultural Biodiversity Conservation in the Peruvian Andes and Beyond. *Antipode* **46**:426–454. [13]
- Graeub, B. E., M. J. Chappell, H. Wittman, et al. 2016. The State of Family Farms in the World. *World Dev.* **87**:1–15. [6]
- Graham, R. D., R. M. Welch, D. A. Saunders, et al. 2007. Nutritious Subsistence Food Systems. *Adv. Agron.* **92**:1–74. [9]
- GRAIN. 1999. Union for the Protection of New Varieties of Plants (UPOV) on the War Path. <https://www.grain.org/article/entries/257-upov-on-the-war-path>. [13]
- Gray, C. L. 2009. Rural out-Migration and Smallholder Agriculture in the Southern Ecuadorian Andes. *Popul. Environ.* **30**:193–217. [8]
- Gray, C. L., and R. E. Bilsborrow. 2014. Consequences of out-Migration for Land Use in Rural Ecuador. *Land Use Policy* **36**:182–191. [8]
- Greenberg, L. 2003. Women in the Garden and Kitchen: The Role of Cuisine in the Conservation of Traditional House Lots among Yucatec Mayan Immigrants. In: *Women and Plants: Gender Relations in Biodiversity Management and Conservation*, ed. P. L. Howard, pp. 51–65. London: Zed Books. [11]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Greene, S. L., T. C. Hart, and A. Afonin. 1999. Using Geographic Information to Acquire Wild Crop Germplasm for *Ex Situ* Collections: I. Map Development and Field Use. *Crop Sci.* **39**:836–842. [5]
- Greenleaf, S. S., and C. Kremen. 2006. Wild Bees Enhance Honey Bees' Pollination of Hybrid Sunflower. *PNAS* **103**:13890–13895. [4]
- Grobman, A., W. Salhuana, and R. Sevilla. 1961. The Races of Maize in Peru: Their Origins, Evolution and Classification. Washington, D.C.: National Academy of Sciences. [3]
- Gruberg, H., G. Meldrum, S. Padulosi, et al. 2013. Towards a Better Understanding of Custodian Farmers and Their Roles: Insights from a Case Study in Cachilaya, Bolivia. Rome: Bioversity International, Fundación PROINPA. [2]
- Gruère, G., L. Nagarajan, and O. King. 2009a. The Role of Collective Action in the Marketing of Underutilized Plant Species: Lessons from a Case Study on Minor Millets in South India. *Food Pol.* **34**:39–45. [15]
- Gruère, G., M. Smale, and A. Giuliani. 2009b. Marketing Underutilized Species for the Benefit of the Poor: A Conceptual Framework. In: Agrobiodiversity, Conservation and Economic Development, ed. A. Kontoleon et al., pp. 62–81. London: Routledge. [15]
- Guarino, L. 1995. Mapping the Ecogeographic Distribution of Biodiversity. In: Collecting Plant Genetic Diversity, Technical Guidelines, ed. L. Guarino et al., pp. 287–328. Wallingford: CAB International. [5]
- Guarino, L., A. Jarvis, R. J. Hijmans, and N. Maxted. 2002. Geographic Information Systems (GIS) and the Conservation and Use of Plant Genetic Resources. In: Managing Plant Genetic Diversity, ed. J. M. M. Engels et al., pp. 387–404. Wallingford: CABI Publishing. [5]
- Guitart, D., C. Pickering, and J. Byrne. 2012. Past Results and Future Directions in Urban Community Gardens Research. *Urb. Forest. Urb. Green.* **11**:364–373. [2]
- Gustafson, D., A. Gutman, W. Leet, et al. 2016. Seven Food System Metrics of Sustainable Nutrition Security. *Sustainability* **8**:196. [9]
- Gutenkunst, R. N., R. D. Hernandez, S. H. Williamson, and C. D. Bustamante. 2009. Inferring the Joint Demographic History of Multiple Populations from Multidimensional Snp Frequency Data. *PLoS Genet.* **5**:e1000695. [3]
- Gutiérrez Escobar, L., and E. Fitting. 2016. The Red de Semillas Libres: Contesting Biohegemony in Colombia. *J. Agrar. Change* **16**:711–719. [13]
- Gyawali, S., and B. Sthapit. 2006. Participatory Plant Breeding for Enhancing the Use of Local Crop Genetic Diversity to Manage Abiotic Stresses In: Enhancing the Use of Crop Genetic Diversity to Manage Abiotic Stress in Agricultural Production Systems, ed. D. I. Jarvis et al., pp. 72–83. Rome: IPGRI. [4]
- Haas, P. M. 1992. Introduction: Epistemic Communities and International Policy Coordination. *Int. Organ.* **46**:1–35. [14]
- Hadley, C., and C. L. Patil. 2006. Food Insecurity in Rural Tanzania Is Associated with Maternal Anxiety and Depression. *Am. J. Hum. Biol.* **18**:359–368. [11]
- Haichar, F. Z., C. Marol, O. Berge, et al. 2008. Plant Host Habitat and Root Exudates Shape Soil Bacterial Community Structure. *ISME J.* **2**:1221–1230. [2]
- Hajjar, R., D. I. Jarvis, and B. Gemmill-Herren. 2008. The Utility of Crop Genetic Diversity in Maintaining Ecosystem Services. *Agricul. Ecosyst. Environ.* **123**:261–270. [4]
- Hall, S. J. G., ed. 2004. Livestock Biodiversity: Genetic Resources for the Farming of the Future. Oxford: Blackwell. [2]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Halpert, M. T., and M. J. Chappell. 2017. Prima Facie Reasons to Question Enclosed Intellectual Property Regimes and Favor Open-Source Regimes for Germplasm. *F1000Research* 6:284. [13]
- Hammond, J., S. Fraval, J. van Etten, et al. 2016. The Rural Household Multi-Indicator Survey (Rhomis) for Rapid Characterisation of Households to Inform Climate Smart Agriculture Interventions: Description and Applications in East Africa and Central America. *Agric. Syst.* 151:225–233. [7]
- Handley, L. J., A. M. Lawson, J. Goudet, and F. Balloux. 2007. Going the Distance: Human Population Genetics in a Clinal World. *Trends Genet.* 23:432–439. [3]
- Hanf, K., and A. Underdal. 1998. Domesticating International Commitments: Linking National and International Decision-Making. In: *The Politics of International Environmental Management*, ed. A. Underdal, pp. 149–170. Dordrecht: Kluwer Academic Publishers. [14]
- Hannah, L., P. R. Roehrdanz, M. Ikegami, et al. 2013. Climate Change, Wine and Conservation. *PNAS* 110:6907–6912. [5]
- Hanotte, O., D. G. Bradley, J. W. Ochieng, et al. 2002. African Pastoralism: Genetic Imprints of Origins and Migrations. *Science* 296:336–339. [3]
- Haraway, D. 2008. When Species Meet. Minneapolis: Univ. of Minnesota Press. [13]
- Hardigan, M. A., F. P. E. Laimbeer, L. Newton, et al. 2017. Genome Diversity of Tuber-Bearing Solanum Uncovers Complex Evolutionary History and Targets of Domestication in the Cultivated Potato. *PNAS* 114:E9999–E10008. [3]
- Hardison, P. 2016. La Cogeneración de Servicios Ecosistémicos Por Parte de la Naturaleza y Los Pueblos Indígenas: el Valor de Las Relaciones Bioculturales de Adaptación y el Papel de Los Conocimientos Tradicionales. In: *Biodiversidad y Propiedad Intelectual en Disputa*, ed. S. Roca, pp. 214–240. Lima: Esan Ediciones. [12]
- Hardon-Baars, A. 2000. The Role of Agrobiodiversity in Farm-Household Livelihood and Food Security: A Conceptual Analysis. In: *Encouraging Diversity*, ed. C. Almekinders, pp. 31–35. London: Intermediate Technology Publications Ltd. [11]
- Harlan, H. V., and M. L. Martini. 1936. Problems and Results of Barley Plant Breeding. In: *Usda Yearbook of Agriculture*, pp. 303–346. Washington, D.C.: U.S. GPO. [14]
- Harlan, J. R. 1975. Our Vanishing Genetic Resources. *Science* 188:618–621. [5, 14]
- . 1992. *Crops and Man* (2nd ed.). Madison: American Society of Agronomy / Crop Science Society of America. [14]
- Harlan, J. R., and J. M. J. De Wet. 1971. Toward a Rational Classification of Cultivated Plants. *Taxon* 20:509–517. [3]
- Hartigan, J. 2017. *Care of the Species: Races of Corn and the Science of Plant Biodiversity*. St. Paul: Univ. of Minnesota Press. [13]
- Harwood, J. 2009. Peasant Friendly Plant Breeding and the Early Years of the Green Revolution in Mexico. *Agric. Hist.* 83:384–410. [6]
- Haselmair, R., H. Pirker, E. Kuhn, and C. R. Vogl. 2014. Personal Networks: A Tool for Gaining Insight into the Transmission of Knowledge About Food and Medicinal Plants among Tyrolean (Austrian) Migrants in Australia, Brazil and Peru. *J. Ethnobiol. Ethnomed.* 10:1. [11]
- Hawkes, C., S. Friel, T. Lobstein, and T. Lang. 2012. Linking Agricultural Policies with Obesity and Noncommunicable Diseases: A New Perspective for a Globalising World. *Food Pol.* 37:343–353. [14]
- Hayden, C. 2003. *When Nature Goes Public: The Making and Unmaking of Bio-prospecting in Mexico*. Princeton: Princeton Univ. Press. [12]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. *Strüngmann Forum Reports*, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Heald, P. J., and S. Chapman. 2009. Crop Diversity Report Card for the Twentieth Century: Diversity Bust or Diversity Boom? SSRN. <https://ssrn.com/abstract=1462917>. (accessed July 12, 2017). [9]
- Hedenus, F., S. Wirsénius, and D. J. A. Johansson. 2014. The Importance of Reduced Meat and Dairy Consumption for Meeting Stringent Climate Change Targets. *Clim. Change* **124**:79–91. [9]
- Heinrich, M., M. Leonti, S. Nebel, and W. Peschel. 2005. Local Food—Nutraceuticals: An Example of a Multidisciplinary Research Project on Local Knowledge. *J. Physiol. Pharmacol.* **56(Suppl. 1)**:5–22. [11]
- Heisey, P., and K. Day-Rubenstein. 2015. Using Crop Genetic Resources to Help Agriculture Adapt to Climate Change: Economics and Policy. USDA: Economic Information Bulletin 139. [7]
- Henry, M., N. Cerrutti, P. Aupinel, et al. 2015. Reconciling Laboratory and Field Assessments of Neonicotinoid Toxicity to Honeybees. *Proc. R. Soc. Lond. B Biol. Sci.* **282**:20152110. [4]
- Herforth, A. 2010. Promotion of Traditional African Vegetables in Kenya and Tanzania: A Case Study of an Intervention Representing Emerging Imperatives in Global Nutrition. Ph.D., Cornell Univ., Ithaca, NY. [9]
- _____. 2015. Access to Adequate Nutritious Food: New Indicators to Track Progress and Inform Action. In: The Fight against Hunger and Malnutrition, ed. D. Sahn, pp. 139–164. Oxford: Oxford Univ. Press. [9]
- _____. 2016. Seeking Indicators of Healthy Diets: It Is Time to Measure Diets Globally, How? Washington, D.C.: Gallup Intl. Association, Swiss Agency for Development Cooperation. [9, 10]
- Herforth, A., and S. Ahmed. 2015. The Food Environment, Its Effects on Dietary Consumption, and Potential for Measurement within Agriculture-Nutrition Interventions. *Food Secur.* **7**:505–520. [9]
- Hermann, M. 2013. Successes and Pitfalls of Linking Nutritionally Promising Andean Crops to Markets. In: Diversifying Food and Diets: Using Agricultural Biodiversity to Improve Nutrition and Health, ed. J. Fanzo et al., pp. 164–185. Issues in Agricultural Biodiversity, M. Halewood and D. Hunter, series ed. London: Earthscan and Bioversity International. [15]
- Hernández, J. 2001. Reclamos de la Identidad: La Formación de Las Organizaciones Indígenas en Oaxaca. Mexico City: Universidad Autónoma Benito Juárez de Oaxaca/Porrúa. [12]
- Heslot, N., D. Akdemir, M. E. Sorrells, and J. L. Jannink. 2014. Integrating Environmental Covariates and Crop Modelling into the Genomic Selection Framework to Predict Genotype by Environment Interactions. *Theor. Appl. Genet.* **127**:463–480. [7]
- Heun, M., R. Schäfer-Pregl, D. Klawan, et al. 1997. Site of Einkorn Wheat Domestication Identified by DNA Fingerprinting. *Science* **278**:1312–1314. [3]
- Hidalgo, C. A. 2015. Why Information Grows: The Evolution of Order, from Atoms to Economies. New York: Basic Books. [7]
- Hidalgo, C. A., B. Klinger, A. L. Barabási, and R. Hausmann. 2007. The Product Space Conditions the Development of Nations. *Science* **317**:482–487. [2]
- Hijmans, R. J., H. Choe, and J. Perlman. 2016. Spatio-Temporal Patterns of Field Crop Diversity in the United States, 1870–2012. *Agric. Environ. Lett.* **1**:160022. [2]
- Hijmans, R. J., K. A. Garrett, Z. Huamán, et al. 2000. Assessing the Geographic Representativeness of Genebank Collections: The Case of Bolivian Wild Potatoes. *Conserv. Biol.* **14**:1755–1765. [2, 5]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Hijmans, R. J., M. Jacobs, J. B. Bamberg, and D. M. Spooner. 2003. Frost Tolerance in Wild Potatoes: Unraveling the Predictivity of Taxonomic, Geographic and Ecological Factors. *Euphytica* **130**:47–59. [5]
- Hijmans, R. J., and D. M. Spooner. 2001. Geographic Distribution of Wild Potato Species. *Am. J. Bot.* **88**:2101–2112. [2, 5]
- Hijmans, R. J., D. M. Spooner, A. R. Salas, L. Guarino, and J. de la Cruz. 2002. Atlas of Wild Potatoes, vol. 10. Systematic and Ecogeographic Studies on Crop Genepools. Rome: Intl. Plant Genetic Resources Institute (IPGRI). [5]
- Hirsch, E. 1995. Landscape: Between Space and Place. In: *The Anthropology of Landscape: Perspectives on Space and Place*, ed. E. Hirsch and M. O'Hanlon. Oxford: Clarendon Press. [13]
- HLPE. 2017. Nutrition and Food Systems: A Report by the High Level Panel of Experts on Food Security and Nutrition of the Committee on World Food Security, Rome. Rome: FAO. [8–10]
- Hoddinott, J., and Y. Yohannes. 2002. Dietary Diversity as a Food Security Indicator. In: *Fend Briefs*, Discussion Paper 136. Washington, D.C.: Intl. Food Policy Research Institute. [10]
- Holt-Gimenez, E., M. A. Altieri, and P. Rosset. 2006. Ten Reasons Why the Rockefeller and the Bill and Melinda Gates Foundations' Alliance for Another Green Revolution Will Not Solve the Problems of Poverty and Hunger in Sub-Saharan Africa. In: *Food First Policy Brief No. 12*. Oakland: Institute for Food and Development Policy. [15]
- Hooper, D. U., D. E. Bignell, V. K. Brown, et al. 2000. Interactions between Aboveground and Belowground Biodiversity in Terrestrial Ecosystems: Patterns, Mechanisms, and Feedbacks. *Bioscience* **50**:1049–1061. [4]
- Hooper, D. U., F. S. Chapin, J. J. Ewel, et al. 2005. Effects of Biodiversity on Ecosystem Functioning: A Consensus of Current Knowledge. *Ecol. Monogr.* **75**:3–35. [2, 4, 10]
- Horna, D., S. Timpo, and G. Gruère. 2007. Marketing Underutilized Crops: The Case of the African Garden Egg (*Solanum aethiopicum*) in Ghana. Rome: Global Facilitation Unit for Underutilized Species (GFU). 3. [15]
- Horst, M., and B. Gaolach. 2015. The Potential of Local Food Systems in North America: A Review of Foodshed Analyses. *Renew. Agr. Food Syst.* **20**:399–407. [9]
- Howard, P. L. 2006. Gender and Social Dynamics in Swidden and Homegardens in Latin America. In: *Tropical Homegardens: A Time-Tested Example of Sustainable Agroforestry*, ed. B. M. Kumar and P. K. R. Nair, pp. 1–24. Heidelberg: Springer. [11]
- Huamán, Z. 2002. Tecnología Disponible Para Reforzar la Conservación “*in Situ*” de Los Cultivares de Papa Tradicionales de Los Andes. *Rev. Elect. Red Mundial Cient. Peruanos* **1**:1–10. [5]
- Huaman, Z., A. Salas, R. Gomez, A. Panta, and J. Toledo. 2000. Conservation of Potato Genetic Resources at CIP. In: *Potato: Global Research and Development*, ed. S. M. P. Khurana et al., pp. 102–112. Shimla, India: Indian Potato Association. [2]
- Huang, X., N. Kurata, X. Wei, et al. 2012. A Map of Rice Genome Variation Reveals the Origin of Cultivated Rice. *Nature* **490**:497–501. [3]
- Huang, X., M. Wolf, M. W. Ganapati, et al. 2007. Did Modern Plant Breeding Lead to Genetic Erosion in European Winter Wheat Varieties? *Crop Sci.* **47**:343–349. [3]
- Hufford, M. B., X. Xu, J. van Heerwaarden, et al. 2012. Comparative Population Genomics of Maize Domestication and Improvement. *Nat. Genet.* **44**:808–811. [3]
- Hughes, A. R., B. D. Inouye, M. T. J. Johnson, N. Underwood, and M. Vellend. 2008. Ecological Consequences of Genetic Diversity. *Ecol. Lett.* **11**:609–623. [4]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Hunter, D., B. Burlingame, and R. Remans. 2015. Biodiversity and Nutrition. In: Connecting Global Priorities: Biodiversity and Human Health: A State of Knowledge Review, ed. C. Romanelli et al., pp. 97–129. Geneva: WHO and Secretariat of the Convention on Biological Diversity. [10]
- Hunter, D., and V. Heywood. 2010. Crop Wild Relatives: A Manual of *in Situ* Conservation. London: Bioversity International, Earthscan Publishers. [2]
- Hunter, D., I. Özkan, D. Moura de Oliveira Beltrame, et al. 2016. Enabled or Disabled: Is the Environment Right for Using Biodiversity to Improve Nutrition? *Front. Nutr.* 3:14. [10]
- Ickowitz, A., B. Powell, M. A. Salim, and T. Sunderland. 2014. Dietary Quality and Tree Cover in Africa. *Glob. Environ. Change* 24:287–294. [9, 10]
- Ickowitz, A., D. Rowland, B. Powell, M. A. Salim, and T. Sunderland. 2016. Forests, Trees, and Micronutrient-Rich Food Consumption in Indonesia. *PLoS One* 11:e0154139. [9]
- ICTSD. 2016. Wipo Members Update Draft Text on Protecting Traditional Knowledge. *Bridges* 20:42. [12]
- IFPRI. 2016. Global Nutrition Report, from Promise to Impact: Ending Malnutrition by 2030. Washington, D.C. : Intl. Food Policy Research Institute. [9]
- IIED. 2016. Biocultural Heritage: Promoting Resilient Farmer Communities and Local Economies. London: Intl. Institute for Environment and Development. [12]
- . 2017. Protecting Community Rights over Traditional Knowledge: Key Findings and Recommendations 2005-2009. London: Intl. Institute for Environment and Development. [12]
- ILO. 2017. Ratifications of C169: Indigenous and Tribal Peoples Convention, 1989 (No. 169): Intl. Labor Organization. [12]
- Imbach, P., E. Fung, L. Hannah, et al. 2017. Coupling of Pollination Services and Coffee Suitability under Climate Change. *PNAS* 114:10438–10442. [4]
- Imbruce, V. 2007. Bringing Southeast Asia to the Southeast United States: New Forms of Alternative Agriculture in Homestead, Florida. *Agricultr. Human Values* 24:41–59. [8]
- INE. 2013. Principales Resultados del Censo Nacional de Población y Vivienda, CNPV-2012. Bolivia: Instituto Nacional de Estadística, Estado Plurinacional de Bolivia. [12]
- INEGI. 2000. XII Censo General de Población y Vivienda: Marco Conceptual, Mexico. ———. 2003. Anuario Estadístico del Estado de Chiapas. Oaxaca de Juárez: Instituto Nacional de Estadística, Geografía e Informática. [12]
- Infield, M. 2001. Cultural Values: A Forgotten Strategy for Building Community Support for Protected Areas in Africa. *Conserv. Biol.* 15:800–802. [12]
- Ingold, T. 2000. The Perception of the Environment: Essays in Livelihood, Dwelling and Skill. New York: Routledge. [13]
- . 2011. Being Alive: Essays on Movement, Knowledge, and Description. London: Routledge. [13]
- Ingold, T., and T. Kurtila. 2000. Perceiving the Environment in Finnish Lapland. *Body & Society* 6:183–196. [13]
- IPBES. 2018. Summary for Policymakers of the Regional Assessment Report on Biodiversity and Ecosystem Services for Africa of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Service. Bonn: IPBES Secretariat. [9]
- IPES-Food. 2017. Unravelling the Food-Health Nexus: Addressing Practices, Political Economy, and Power Relations to Build Healthier Food Systems. The Global Alliance for the Future of Food and IPES-Food. [6, 8]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Ironside, J. 2013. Thinking Outside the Fence: Exploring Culture/Land Relationships, a Case Study on Ratanakiri Province, Cambodia. PhD Dissertation, Univ. of Otago, Dunedin, New Zealand. [8]
- Ishizawa, J. 2010. Affirmation of Cultural Diversity: Learning with the Communities in the Central Andes. In: Towards an Alternative Development Paradigm: Indigenous People's Self-Determined Development, ed. V. Tauli-Corpuz et al., pp. 205–247. Baguio City: Tebtebba Foundation. [12]
- . 2016. La Centralidad de Las Comunidades Andino-Amazónicas Criadoras de la Biodiversidad: Apuntes Sobre el Concepto de Proyecto *in Situ*. In: Biodiversidad y Propiedad Intelectual en Disputa, ed. S. Roca, pp. 267–285. Lima: Esan Ediciones. [12]
- Iskandar, B. S., J. Iskandar, B. Iriwan, and B. Partasasmita. 2018. Traditional Markets and Diversity of Edible Plant Trading: Case Study in Ujung Berung, Bandung, West Java, Indonesia. *Biodiversitas* **19**:437452. [6]
- Ives, C. D., and D. Kendal. 2014. The Role of Social Values in the Management of Ecological Systems. *J. Environ. Manage.* **144**:67–72. [6]
- Jackson, J. F., and G. R. Clarke. 1991. Gene Flow in an Almond Orchard. *Theor. Appl. Genet.* **82**:169–173. [4]
- Jackson, L. E., U. Pascual, and T. Hodgkin. 2007. Utilizing and Conserving Agrobiodiversity in Agricultural Landscapes. *Agricul. Ecosyst. Environ.* **121**:196–210. [1, 8, 13, 15]
- Jackson, M., B. Ford-Lloyd, and M. Parry, eds. 2013. Plant Genetic Resources and Climate Change. Wallingford: CABI. [7]
- Jacobsen, S. E. 2011. The Situation for Quinoa and Its Production in Southern Bolivia: From Economic Success to Environmental Disaster. *Journal of Agronomy and Crop. Science* **197**:390–399. [8]
- Jacobsen, S. E., M. Sørensen, S. M. Pedersen, and J. Weiner. 2015. Using Our Agrobiodiversity: Plant-Based Solutions to Feed the World. *Agronom. Sustain. Devel.* **35**:1217–1235. [1]
- Jaeger, M., A. Giuliani, and I. van Loosen. 2017. Markets, Consumer Demand and Agricultural Biodiversity. In: Routledge Handbook of Agricultural Biodiversity, ed. D. Hunter et al. London: Routledge. [15]
- Jaenicke, H., and D. Virchow. 2013. Entry Points into a Nutrition-Sensitive Agriculture. *Food Secur.* **5**:679–692. [11]
- Jänicke, M. 1995. The Political Systems Capacity for Environmental Policy, FFU Report 1995/6. Berlin: Forschungsstelle für Umweltpolitik, Freie Universität Berlin. [14]
- Jansky, S. H., J. Dawson, and D. M. Spooner. 2015. How Do We Address the Disconnect between Genetic and Morphological Diversity in Germplasm Collections? *Am. J. Bot.* **102**:1213–1215. [3]
- Janssen, M., Ö. Bodin, J. Andries, et al. 2006. Toward a Network Perspective of the Study of Resilience in Social-Ecological Systems. *Ecol. Soc.* **11**:ART. 15. [8]
- Jardón-Barbolla, L. 2015. De la Evolución Al Valor de Uso, Ida y Vuelta: Exploraciones en la Domesticación y Diversificación de Plantas. *Rev. Interdisc.* **3**:99–129. [2]
- Jarvis, A., M. E. Ferguson, D. E. Williams, et al. 2003. Biogeography of Wild Arachis: Assessing Conservation Status and Setting Future Priorities. *Crop Sci.* **43**:1100–1108. [2, 5]
- Jarvis, A., A. Lane, and R. J. Hijmans. 2008a. The Effect of Climate Change on Crop Wild Relatives. *Agricul. Ecosyst. Environ.* **126**:13–23. [2, 5, 7]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Jarvis, A., K. Williams, D. E. Williams, et al. 2005. Use of GIS for Optimizing a Collecting Mission for a Rare Wild Pepper (*Capsicum Flexuosum* Sendtn.) in Paraguay. *Genet. Resour. Crop Evol.* **52**:671–682. [5]
- Jarvis, D. I., A. H. D. Brown, P. H. Cuong, et al. 2008b. A Global Perspective of the Richness and Evenness of Traditional Crop-Variety Diversity Maintained by Farming Communities. *PNAS* **105**:5326–5331. [3–5]
- Jarvis, D. I., T. Hodgkin, B. R. Sthapit, C. Fadda, and I. Lopez-Noriega. 2011. An Heuristic Framework for Identifying Multiple Ways of Supporting the Conservation and Use of Traditional Crop Varieties within the Agricultural Production System. *CRC Crit. Rev. Plant Sci.* **30**:125–176. [4, 14]
- Jarvis, D. I., C. Padoch, and H. D. Cooper, eds. 2007. Managing Biodiversity in Agricultural Ecosystems. New York: Columbia Univ. Press. [8]
- Jenkins-Smith, H. C., and P. A. Sabatier, eds. 1993. Policy Change and Learning: An Advocacy Coalition Approach. Boulder: Westview Press. [14]
- . 1994. Evaluating the Advocacy Coalition Approach. *J. Public Policy* **14**:175–203. [14]
- Jennings, B. H. 1988. Foundations of International Agricultural Research: Science and Politics in Mexican Agriculture. Boulder: Westview Press. [6]
- Johns, T., and P. B. Eyzaguirre. 2006. Linking Biodiversity, Diet and Health in Policy and Practice. *Proc. Nutr. Soc.* **65**:182–189. [11]
- Johns, T., B. Powell, P. Maundu, and P. B. Eyzaguirre. 2013. Agricultural Biodiversity as a Link between Traditional Food Systems and Contemporary Development, Social Integrity and Ecological Health. *J. Sci. Food Agric.* **93**:3433–3442. [9–11, 15]
- Johns, T., and B. R. Sthapit. 2004. Biocultural Diversity in the Sustainability of Developing Country Food Systems. *Food Nutr. Bull.* **25**:143–155. [9]
- Johnson, D., F. Martin, J. W. G. Cairney, and I. C. Anderson. 2012. The Importance of Individuals: Intraspecific Diversity of Mycorrhizal Plants and Fungi in Ecosystems. *New Phytol.* **194**:614–628. [4]
- Johnson, K. B., A. Jacob, and M. E. Brown. 2013. Forest Cover Associated with Improved Child Health and Nutrition: Evidence from the Malawi Demographic and Health Survey and Satellite Data. *Glob. Health Sci. Pract.* **1**:237–248. [9, 10]
- Johnson, M. T. J., M. J. Lajeunesse, and A. A. Agrawal. 2006. Additive and Interactive Effects of Plant Genotypic Diversity on Arthropod Communities and Plant Fitness. *Ecol. Lett.* **9**:24–34. [4]
- Johnson, N. C., G. W. T. Wilson, M. A. Bowker, J. A. Wilson, and R. M. Miller. 2010. Resource Limitation Is a Driver of Local Adaptation in Mycorrhizal Symbioses. *PNAS* **107**:2093–2098. [4]
- Jones, A. D. 2016. On-Farm Crop Species Richness Is Associated with Household Diet Diversity and Quality in Subsistence- and Market-Oriented Farming Households in Malawi. *J. Nutr.* **147**:86–96. [10]
- . 2017. Critical Review of the Emerging Research Evidence on Agricultural Biodiversity, Diet Diversity, and Nutritional Status in Low- and Middle-Income Countries. *Nutr. Rev.* **75**:769–782. [9, 10]
- Jones, A. D., Y. Acharya, and L. P. Galway. 2017. Deforestation and Child Diet Diversity: A Geospatial Analysis of 15 Sub-Saharan African Countries. *Lancet* **389**:S11. [10]
- Jones, A. D., L. Hoey, J. Blesh, et al. 2016. A Systematic Review of the Measurement of Sustainable Diets. *Adv. Nutr.* **7**:641–664. [9]
- Jones, A. D., A. Shrinivas, and R. Bezner-Kerr. 2014. Farm Production Diversity Is Associated with Greater Household Dietary Diversity in Malawi: Findings from Nationally Representative Data. *Food Pol.* **46**:1–12. [11]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Jones, T. S., E. Allan, S. A. Haerri, et al. 2011. Effects of Genetic Diversity of Grass on Insect Species Diversity at Higher Trophic Levels Are Not Due to Cascading Diversity Effects. *Oikos* **120**:1031–1036. [4]
- Jordan, N. R., and A. S. Davis. 2015. Middle-Way Strategies for Sustainable Intensification of Agriculture. *Bioscience* **65**:513–519. [8]
- Jost, L. 2006. Entropy and Diversity. *Oikos* **113**:363–375. [2]
- Juarez, H., F. Plasencia, and S. de Haan. 2011. Zooming in on the Secret Life of Genetic Resources in Potatoes: High Technology Meets Old-Fashioned Footwork. Esri Conservation Map Book. Redlands, CA [5]
- Jump, A., and J. Penuelas. 2005. Running to Stand Still: Adaptation and the Response of Plants to Rapid Climate Change. *Ecol. Lett.* **8**:1010–1020. [2]
- Junqueira, A. B., C. J. M. Almekinders, T. J. Stomph, C. R. Clement, and P. C. Struik. 2016. The Role of Amazonian Anthropogenic Soils in Shifting Cultivation: Learning from Farmers' Rationales. *Ecol. Soc.* **21**:12. [6]
- Kagoda, F., J. Derera, P. Tongona, and D. L. Coyne. 2010. Awareness of Plant-Parasitic Nematodes and Preferred Maize Varieties among Smallholder Farmers in East and Southern Uganda: Implications for Assessing Nematode Resistance Breeding Needs in African Maize. *Int. J. Pest Manag.* **56**:217–222. [4]
- Kahane, R., T. Hodgkin, H. Jaenicke, et al. 2013. Agrobiodiversity for Food Security, Health and Income. *Agronom. Sustain. Devel.* **33**:671–693. [11, 13]
- Kahiluoto, K., J. Kaseva, K. Hakala, et al. 2014. Cultivating Resilience by Empirically Revealing Response Diversity. *Glob. Environ. Change* **25**:186–193. [5]
- Kauffman, S. 1993. The Origins of Order: Self Organization and Selection in Evolution. Oxford: Oxford University Press. [7]
- Kawa, N. C., C. McCarty, and C. R. Clement. 2013. Manioc Varietal Diversity, Social Networks, and Distribution Constraints in Rural Amazonia. *Curr. Anthropol.* **54**:764–770. [8, 11]
- Kehlenbeck, K., E. Asaah, and R. Jamnadass. 2013. Diversity of Indigenous Fruit Trees and Their Contribution to Nutrition and Livelihoods in Sub-Saharan Africa: Examples from Kenya and Cameroon. In: Diversifying Food and Diets Using Agricultural Biodiversity to Improve Nutrition and Health, ed. J. C. Fanzo et al., pp. 257–259. Abingdon, UK: Earthscan from Routledge. [9]
- Keleman, A., and J. Hellin. 2009. Specialty Maize Varieties in Mexico: A Case Study in Market-Driven Agro-Biodiversity Conservation. *J. Lat. Amer. Geogr.* **8**:147–174. [2]
- Keleman, A., J. Hellin, and M. R. Bellon. 2009. Maize Diversity, Rural Development Policy, and Farmers' Practices: Lessons from Chiapas, Mexico. *Geogr. J.* **175**:52–70. [4, 15]
- Keller, D. 2009. Deep Ecology. In: Encyclopedia of Environmental Ethics and Philosophy, ed. J. Callicot and R. Frodeman, vol. 1, pp. 206–211. Farmington Hills, MI: Thomson Gale. [12]
- Kennedy, C. M., E. Lonsdorf, M. C. Neel, et al. 2013. A Global Quantitative Synthesis of Local and Landscape Effects on Wild Bee Pollinators in Agroecosystems. *Ecol. Lett.* **16**:584–599. [4]
- Kennedy, G., D. Hunter, J. Garrett, and S. Padulosi. 2017a. Leveraging Agrobiodiversity to Create Sustainable Food Systems for Healthier Diets. *UNSCN News* **42**:23–31. [10]
- Kennedy, G., L. T. K. Warren, C. Termote, R. Charrindière, and J. Y. A. Tung. 2017b. Guidelines on Assessing Biodiverse Foods in Dietary Intake Surveys. Rome: FAO. [10]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Kerssen, T. M. 2015. Food Sovereignty and the Quinoa Boom: Challenges to Sustainable Re-Peasantisation in the Southern Altiplano of Bolivia. *Third World Q.* **36**:489–507. [8]
- Khoury, C. K., H. A. Achicanoy, A. D. Bjorkman, et al. 2016. Origins of Food Crops Connect Countries Worldwide. *Proc. R. Soc. Lond. B Biol. Sci.* **283**:20160792. [9, 13]
- Khoury, C. K., A. D. Bjorkman, H. Dempewolf, et al. 2014. Increasing Homogeneity in Global Food Supplies and the Implications for Food Security. *PNAS* **111**:4001–4006. [8–11, 14, 15]
- Khoury, C. K., N. P. Castañeda-Álvarez, H. A. Achicanoy, et al. 2015a. Crop Wild Relatives of Pigeonpea [*Cajanus Cajan* (L.) Millsp.]: Distributions, *Ex Situ* Conservation Status, and Potential Genetic Resources for Abiotic Stress Tolerance. *Biol. Conserv.* **184**:259–270. [5]
- Khoury, C. K., B. Heider, N. P. Castañeda-Álvarez, et al. 2015b. Distributions, *Ex Situ* Conservation Priorities, and Genetic Resource Potential of Crop Wild Relatives of Sweetpotato [*Ipomoea Batatas* (L.) Lam., I. Series *Batatas*] *Front. Plant Sci.* **6**:251. [2, 5]
- Kirksey, E., and S. Helmreich. 2010. The Emergence of Multispecies Ethnography. *Cult. Anthropol.* **25**:545–576. [14]
- Kirmayer, L. J., G. M. Brass, and C. L. Tait. 2000. The Mental Health of Aboriginal Peoples: Transformations of Identity and Community. *Can. J. Psychiatry* **45**:607–616. [11]
- Klein, A.-M., B. E. Vaissiere, J. H. Cane, et al. 2007. Importance of Pollinators in Changing Landscapes for World Crops. *Proc. R. Soc. Lond. B Biol. Sci.* **274**:303–313. [2]
- Kloppenburg, J. 1988. First the Seed: The Political Economy of Plant Biotechnology, 1492–2000. Cambridge: Cambridge Univ. Press. [13, 14]
- . 2014. Re-Purposing the Master's Tools: The Open Source Seed Initiative and the Struggle for Seed Sovereignty. *J. Peasant Stud.* **41**:1225–1246. [13]
- Köberl, M., M. Dita, M. A., C. Staver, and G. Berg. 2015. Agroforestry Leads to Shifts within the Gammaproteobacterial Microbiome of Banana Plants Cultivated in Central America. *Front. Microbiol.* **6**:91. [2, 8]
- Kohn, E. 2015. Anthropology of Ontologies. *Annu. Rev. Anthropol.* **44**:311–327. [14]
- Kontoleon, A., U. Pascual, and M. Smale, eds. 2008. Agrobiodiversity Conservation and Economic Development. London: Routledge. [15]
- Koonan, S. 2014. India's *Sui Generis* System of Plant Variety Protection. Briefing Paper 4, pp. 1–5. Food, Biological Diversity and Intellectual Property. New York: Quaker United Nations Offices. [12]
- Kraft, K. H., C. H. Brown, G. P. Nabhan, et al. 2014. Multiple Lines of Evidence for the Origin of Domesticated Chili Pepper, *Capsicum Annum*, in Mexico. *PNAS* **111**:6165–6170. [2, 5]
- Kral, M. J., L. Idlout, J. B. Minore, R. J. Dyck, and L. J. Kirmayer. 2011. Unikkaartuit: Meanings of Well-Being, Unhappiness, Health, and Community Change among Inuit in Nunavut, Canada. *Am. J. Community Psychol.* **48**:426–438. [11]
- Kremen, C., and A. Miles. 2012. Ecosystem Services in Biologically Diversified versus Conventional Farming Systems: Benefits, Externalities, and Trade-Offs. *Ecol. Soc.* **17**:40. [4]
- Kremen, C., N. M. Williams, and R. W. Thorp. 2002. Crop Pollination from Native Bees at Risk from Agricultural Intensification. *PNAS* **99**:16812–16816. [2]
- Kristjanson, P., B. Harvey, M. Van Epp, and P. K. Thornton. 2014. Social Learning and Sustainable Development. *Nat. Clim. Chang.* **4**:5–7. [7]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Krujssen, F., A. Giuliani, and M. Sudha. 2009a. Marketing Underutilized Crops to Sustain Agrobiodiversity and Improve Livelihoods. *Acta Horticul.* **806**:415–422. [15]
- Krujssen, F., M. Keizer, and A. Giuliani. 2009b. Collective Action for Small-Scale Producers of Agricultural Biodiversity Products. *Food Pol.* **34**:46–52. [15]
- Krupke, C. H., G. J. Hunt, B. D. Eitzer, G. Andino, and K. Given. 2012. Multiple Routes of Pesticide Exposure for Honey Bees Living near Agricultural Fields. *PLoS One* **7**:e29268. [4]
- Kuhnlein, H. V., B. Erasmus, and B. Spigelski. 2009. Indigenous Peoples' Food Systems. Rome: Food and Agricultural Organization of the United Nations. [11]
- Kuhnlein, H. V., B. Erasmus, D. Spigelski, and B. Burlingame, eds. 2013. Indigenous Peoples' Food Systems and Well-Being: Interventions and Policies for Healthy Communities. Rome: FAO/CINE. [11]
- Kuhnlein, H. V., S. T. Smitasiri, S. Yesudas, et al. 2006. Documenting Traditional Food Systems of Indigenous Peoples, International Case Studies: Guidelines for Procedures. Toronto: Centre for Indigenous Peoples' Nutrition and Environment, McGill Univ. [9]
- Kuhnlein, H. V., R. Soueida, and O. Receveur. 1996. Dietary Nutrient Profiles of Canadian Baffin Island Inuit Differ by Food Source, Season, and Age. *J. Am. Diet Assn.* **96**:155–162. [11]
- Kwak, Y.-S., and D. M. Weller. 2013. Take-All of Wheat and Natural Disease Suppression: A Review. *Plant Pathol. J.* **29**:125–135. [4]
- Labeyrie, V., M. Deu, A. Barnaud, et al. 2014. Influence of Ethnolinguistic Diversity on the Sorghum Genetic Patterns in Subsistence Farming Systems in Eastern Kenya. *PLoS One* **9**:e92178. [3, 5]
- Labeyrie, V., M. Thomas, Z. K. Muthamia, and C. Leclerc. 2016. Seed Exchange Networks, Ethnicity, and Sorghum Diversity. *PNAS* **113**:98–103. [3, 5, 13]
- Lachat, C., J. E. Raneri, K. W. Smith, et al. 2018. Dietary Species Richness as a Measure of Food Biodiversity and Nutritional Quality of Diets. *PNAS* **115**:201709194. [10]
- Lammerts van Bueren, E. T., S. S. Jones, L. Tamm, et al. 2011. The Need to Breed Crop Varieties Suitable for Organic Farming, Using Wheat, Tomato and Broccoli as Examples: A Review. *NJAS* **58**:193–205. [4]
- Lang, T., and M. Heasman. 2004. Food Wars: The Global Battle for Mouths, Minds and Markets. London: Earthscan. [11]
- Larsen, C. S. 2006. The Agricultural Revolution as Environmental Catastrophe: Implications for Health and Lifestyle in the Holocene. *Quatern. Int.* **150**:12–20. [2]
- Larson, G., U. Albarella, K. Dobney, et al. 2007. Ancient DNA, Pig Domestication, and the Spread of the Neolithic into Europe. *PNAS* **104**:15276–15281. [3]
- Latour, B. 2005. Reassembling the Social: An Introduction to Actor-Network-Theory. Oxford: Oxford Univ. Press. [13]
- Lavelle, P., D. E. Bignell, M. C. Austen, et al. 2004. Connecting Soil and Sediment Biodiversity: The Role of Scale and Implications for Management. In: Sustaining Biodiversity and Ecosystem Services in Soils and Sediments, ed. D. H. Wall, pp. 193–224. Washington, D.C.: Island Press. [4]
- Leclerc, C. 2012. L'adoption de L'agriculture Chez Les Pygmées Baka Du Cameroun: Dynamique Sociale Et Continuité Structurale. Paris: Editions Quae, Maison des Sciences de L'homme. [2]
- Leclerc, C., and G. C. d'Eeckenbrugge. 2012. Social Organization of Crop Genetic Diversity: The G × E × S Interaction Model. *Diversity* **4**:1–32. [3, 5, 13, 14]
- Legg, J., E. A. Somado, I. Barker, et al. 2014. A Global Alliance Declaring War on Cassava Viruses in Africa. *Food Secur.* **6**:231–248. [2]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Leopold, A. 1966. A Sand County Almanac. Oxford: Oxford Univ. Press. [12]
- Lerner, A. M., and K. Appendini. 2011. Dimensions of Peri-Urban Maize Production in the Toluca-Atlacomulco Valley, Mexico. *J. Lat. Amer. Geogr.* **10**:87–106. [8]
- Lestrelin, G., J. Bourgoin, B. Bouahom, and J. C. Castella. 2011. Measuring Participation: Case Studies on Village Land Use Planning in Northern Lao Pdr. *Appl. Geogr.* **31**:950–958. [8]
- Lewis, D., B. Barham, and K. S. Zimmerer. 2008. Spatial Externalities in Agriculture: Empirical Analysis, Statistical Identification, and Policy Implications for Development and Environment. *World Dev.* **36**:1813–1829. [5]
- Li, B., Y.-Y. Li, H.-M. Wu, et al. 2016. Root Exudates Drive Interspecific Facilitation by Enhancing Nodulation and N₂ Fixation. *PNAS* **113**:6496–6501. [2]
- Li, H., and R. Durbin. 2011. Inference of Human Population History from Individual Whole-Genome Sequences. *Nature* **475**:493–496. [3]
- Li, J., E. T. Lammerts van Bueren, J. Jiggins, and C. Leeuwis. 2012. Farmers' Adoption of Maize (*Zea Mays L.*) Hybrids and the Persistence of Landraces in Southwest China: Implications for Policy and Breeding. *Genet. Resour. Crop Evol.* **59**:1147–1160. [4]
- Li, L.-F., and K. M. Olsen. 2016. To Have and to Hold: Selection for Seed and Fruit Retention During Crop Domestication. *Curr. Top. Development. Biol.* **119**:63–109. [3]
- Lin, B. B. 2011. Resilience in Agriculture through Crop Diversification: Adaptive Management for Environmental Change. *Bioscience* **61**:183–193. [7]
- Lipper, L., P. Thornton, B. M. Campbell, et al. 2014. Climate-Smart Agriculture for Food Security. *Nat. Clim. Chang.* **4**:1068–1072. [6]
- Litt, J. S., M.-J. Soobader, M. S. Turbin, et al. 2011. The Influence of Social Involvement, Neighborhood Aesthetics, and Community Garden Participation on Fruit and Vegetable Consumption. *Am. J. Public Health* **101**:1466–1473. [11]
- Little, D., and P. Edwards. 2003. Integrated Livestock-Fish Farming Systems. Rome: FAO. [2]
- Lloyd, K., S. Wright, S. Suchet-Pearson, L. Burarrwanga, and B. Country. 2012. Reframing Development through Collaboration: Towards a Relational Ontology of Connection in Bawaka, North East Arnhem Land. *Third World Q.* **33**:1075–1094. [12]
- Loarie, S. R., P. B. Duffy, H. Hamilton, et al. 2009. The Velocity of Climate Change. *Nature* **462**:pages 1052–1055. [7]
- Lobell, D. B., W. Schlenker, and J. Costa-Roberts. 2011. Climate Trends and Global Crop Production since 1980. *Science* **333**:616–620. [6]
- Lockie, S., and D. Carpenter, eds. 2010. Agriculture, Biodiversity and Markets: Livelihoods and Agroecology in Comparative Perspective. Oxford: Earthscan. [8, 15]
- Londo, J. P., Y.-C. Chiang, K.-H. Hung, T.-Y. Chiang, and B. A. Schaal. 2006. Phylogeography of Asian Wild Rice, *Oryza Rufipogon*, Reveals Multiple Independent Domestications of Cultivated Rice, *Oryza Sativa*. *PNAS* **103**:9578–9583. [3]
- López-García, D., and G. I. Guzmán-Casado. 2013. Si la Tierra Tiene Sazón: el Conocimiento Tradicional Campesino Como Movilizador de Procesos de Transición Agroecológica. *Agroecología* **7**:7–20. [11]
- Lopez-Raez, J. A. 2016. How Drought and Salinity Affect Arbuscular Mycorrhizal Symbiosis and Strigolactone Biosynthesis? *Planta* **243**:1375–1385. [4]
- Loreau, M., S. Naeem, P. Inchausti, et al. 2001. Biodiversity and Ecosystem Functioning: Current Knowledge and Future Challenges. *Science* **294**:804–808. [6]
- Louette, D., A. Charrier, and J. Berthaud. 1997. *In Situ* Conservation of Maize in Mexico: Genetic Diversity and Maize Seed Management in a Traditional Community. *Econ. Bot.* **51**:20–38. [13]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Louzada, M. L., L. G. Baraldi, E. M. Steele, et al. 2015. Consumption of Ultra-Processed Foods and Obesity in Brazilian Adolescents and Adults. *Prev. Med.* **81**:9–15. [10]
- Lovon, M., and A. Mathiassen. 2014. Are the World Food Programme's Food Consumption Groups a Good Proxy for Energy Deficiency? *Food Secur.* **6**:461–470. [10]
- Low, J. W., M. Arimond, N. Osman, et al. 2007. A Food-Based Approach Introducing Orange-Fleshed Sweet Potatoes Increased Vitamin A Intake and Serum Retinol Concentrations in Young Children in Rural Mozambique. *J. Nutr.* **137**:1320–1327. [2]
- Lowder, S. K., J. Skoet, and T. Raney. 2016. The Number, Size, and Distribution of Farms, Smallholder Farms, and Family Farms Worldwide. *World Dev.* **87**:16–29. [6]
- Lubinsky, P., M. Van Dam, and A. Van Dam. 2006. Pollination of *Vanilla* and Evolution in Orchidaceae. *Lindleyana* **75**:926–929. [2]
- Macdiarmid, J. I. 2013. Is a Healthy Diet an Environmentally Sustainable Diet? *Proc. Nutr. Soc.* **72**:13–20. [9]
- Machaca, M. 2016. El Reto de Las Organizaciones Comunitarias: la Recuperación y Vigorización de Las Sabidurías de Crianza de la Agrobiodiversidad en Un Contexto de Cambio Climático. In: *Biodiversidad y Propiedad Intelectual en Disputa*, ed. S. Roca, pp. 343–366. Lima: Esan Ediciones. [12]
- Maffi, L. 2005. Linguistic, Cultural and Biological Diversity. *Annu. Rev. Anthropol.* **34**:599–617. [12]
- Magalhães, M. V., A. R. Baby, V. R. Velasco, D. M. Pereira, and T. M. Kaneko. 2011. Patenting in the Cosmetic Sector: Study of the Use of Herbal Extracts. *Braz. J. Pharm. Sci.* **47**:693–700. [12]
- Mallinger, R. E., and C. Gratton. 2015. Species Richness of Wild Bees, but Not the Use of Managed Honeybees, Increases Fruit Set of a Pollinator-Dependent Crop. *J. Appl. Ecol.* **52**:323–330. [4]
- Manica, A., F. Prugnolle, and F. Balloux. 2005. Geography Is a Better Determinant of Human Genetic Differentiation Than Ethnicity. *Hum. Genet.* **118**:366–371. [3]
- Marchi, E. 2018. Accommodation of Cultural Diversity and Collective Rights at the Crossroads of Conservation Discourses: The Case of Indigenous Communities in Oaxaca, Mexico. PhD Dissertation. Florence: Univ. Degli Studi Firenze. [12]
- Mariac, C., I. S. Ousseini, A. K. Alio, et al. 2016. Spatial and Temporal Variation in Selection of Genes Associated with Pearl Millet Varietal Quantitative Traits *in Situ*. *Front Genet.* **7**:130. [3]
- Marion Suiseeya, K. R. 2014. Negotiating the Nagoya Protocol: Indigenous Demands for Justice. *Glob. Environ. Polit.* **14**:102–124. [14]
- Martin-Prevel, Y., P. Allemand, D. Wiesmann, et al. 2015. Moving Forward on Choosing a Standard Operational Indicator of Women's Dietary Diversity. Rome: FAO. [10]
- Martinez, T. N., and N. C. Johnson. 2010. Agricultural Management Influences Propagule Densities and Functioning of Arbuscular Mycorrhizas in Low- and High-Input Agroecosystems in Arid Environments. *Appl. Soil Ecol.* **46**:300–306. [4]
- Martinez-Alier, J., L. Temper, D. Del Bene, and A. Scheidel. 2016. Is There a Global Environmental Justice Movement? *J. Peasant Stud.* **43**:731–755. [9]
- Masset, E., L. Haddad, A. Cornelius, and J. Isaza-Castro. 2012. Effectiveness of Agricultural Interventions That Aim to Improve Nutritional Status of Children: Systematic Review. *Br. Med. J.* **344**:d8222. [10]
- Massey, D. 2005. *For Space*. London: SAGE Publications. [13]
- Mathew, A. G., R. Cissell, and S. Liamthong. 2007. Antibiotic Resistance in Bacteria Associated with Food Animals: A United States Perspective of Livestock Production. *Foodborne Pathog. Dis.* **4**:115–133. [11]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. *Strüngmann Forum Reports*, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Mathur, P. N. 2013. Empowering Farmers to Use Plant Genetic Diversity for Adapting to Climate Change. In: A Road Map for Implementing the Multilateral System of Access and Benefit-Sharing in India, ed. M. Halewood et al. Rome: Bioversity Intl. [6]
- Mato, D. 2016. Indigenous People in Latin America: Movements and Universities, Achievements, Challenges, and Intercultural Conflicts. *J. Intercult. Stud.* **37**:211–233. [12]
- Matson, P. A., and P. M. Vitousek. 2006. Agricultural Intensification: Will Land Spared from Farming Be Land Spared for Nature? *Conserv. Biol.* **20**:709–710. [9]
- Matsuda, M. 2013. Upland Farming Systems Coping with Uncertain Rainfall in the Central Dry Zone of Myanmar: How Stable Is Indigenous Multiple Cropping under Semi-Arid Conditions? *Hum. Ecol.* **41**:927–936. [7]
- Matsuoka, Y., Y. Vigouroux, M. M. Goodman, et al. 2002. A Single Domestication for Maize Shown by Multilocus Microsatellite Genotyping. *PNAS* **99**:6080–6084. [3]
- Maundu, P., M. Yasuyuki, E. Towett, J. A. Ombonya na, and E. Obel-Lawson, eds. 2011. Mboga Za Watu Wa Pwani: Kilifi Utamaduni Conservation Group. Rome: Bioversity Intl. [9]
- Maxted, N., and E. Dulloo. 2016. Enhancing Crop Genepool Use: Capturing Wild Relative and Landrace Diversity for Crop Improvement. Oxfordshire: CABI. [13]
- Maxted, N., B. V. Ford-Lloyd, and J. G. Hawkes. 1997. Complementary Conservation Strategies. In: Plant Genetic Conservation: The *in Situ* Approach, ed. N. Maxted et al., pp. 15–39. Dordrecht: Kluwer Academic Publishers. [2]
- Maxted, N., and S. Kell. 2009. Establishment of a Global Network for the *in-Situ* Conservation of Crop Wild Relatives: Status and Needs. Background Study Paper No. 39. Rome: FAO. [3]
- Maxted, N., P. Mabuza-Diamini, H. Moss, et al. 2004. Systematic and Ecogeographic Studies on Crop Genepools 11: An Ecogeographic Study African *Vigna*. Rome: Int'l. Plant Genetic Resources Institute (IPGRI). [5]
- McCord, P. F., M. Cox, M. Schmitt-Harsh, and T. Evans. 2015. Crop Diversification as a Smallholder Livelihood Strategy within Semi-Arid Agricultural Systems near Mount Kenya. *Land Use Policy* **42**:738–750. [8]
- McGuire, S. J. 2008. Securing Access to Seed: Social Relations and Sorghum Seed Exchange in Eastern Ethiopia. *Hum. Ecol.* **36**:217–229. [8, 13]
- McGuire, S. J., and L. Sperling. 2008. Leveraging Farmers' Strategies for Coping with Stress: Seed Aid in Ethiopia. *Glob. Environ. Change* **18**:679–688. [8]
- _____. 2013. Making Seed Systems More Resilient to Stress. *Glob. Environ. Change* **23**:644–653. [13]
- _____. 2016. Seed Systems Smallholder Farmers Use. *Food Secur.* **8**:179–195. [13]
- McKey, D., T. R. Cavagnaro, J. Cliff, and R. Gleadow. 2010a. Chemical Ecology in Coupled Human and Natural Systems: People, Manioc, Multitrophic Interactions and Global Change. *Chemoecol.* **20**:109–133. [8]
- McKey, D., M. Elias, B. Pujol, and A. Duputié. 2010b. The Evolutionary Ecology of Clonally Propagated Domesticated Plants. *New Phytol.* **186**:318–332. [2, 3]
- _____. 2012. Ecological Approaches to Crop Domestication. In: Biodiversity in Agriculture: Domestication, Evolution and Sustainability, ed. P. Gepts et al., pp. 377–406. Cambridge: Cambridge Univ. Press. [2]
- McLeod, A. 2011. World Livestock 2011: Livestock in Food Security. Rome: FAO. [9]
- McMichael, P. 2009. A Food Regime Analysis of the World Food Crisis. *Agricult. Human Values* **26**:281–295. [11]
- _____. 2013. Value-Chain Agriculture and Debt Relations: Contradictory Outcomes. *Third World Q.* **34**:671–690. [8]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Mekbib, F. 2008. Genetic Erosion of Sorghum in the Centre of Diversity, Ethiopia. *Genet. Resour. Crop Evol.* **55**:351–364. [9]
- Meles, K. 2011. Integrated GIS and Survey Approaches in Assessing Diversity and Sustainability in Agricultural Landscapes in Tigray, Northern Ethiopia. *J. Drylands* **4**:267–282. [5]
- Mercer, K. L., A. Martínez-Vásquez, and H. R. Perales. 2008. Asymmetrical Local Adaptation of Maize Landraces Along an Altitudinal Gradient. *Evol. Appl.* **1**:489–500. [2, 4, 13]
- Mercer, K. L., and H. R. Perales. 2010. Evolutionary Response of Landraces to Climate Change in Centers of Crop Diversity. *Evol. Appl.* **3**:480–493. [2]
- Mercer, K. L., H. R. Perales, and J. D. Wainwright. 2012. Climate Change and the Transgenic Adaptation Strategy: Smallholder Livelihoods, Climate Justice, and Maize Landraces in Mexico. *Glob. Environ. Change* **22**:495–504. [4]
- Meyer, R. S., E. D. Ashley, and R. J. Helen. 2012. Patterns and Processes in Crop Domestication: An Historical Review and Quantitative Analysis of 203 Global Food Crops. *New Phytol.* **196**:29–48. [3]
- Meyer, R. S., and M. D. Purugganan. 2013. Evolution of Crop Species: Genetics of Domestication and Diversification. *Nat. Rev. Genet.* **14**:840–852. [3]
- Midega, C. A. O., J. Pickett, A. Hooper, J. Pittchar, and Z. R. Khan. 2016. Maize Landraces Are Less Affected by Striga Hermonthica Relative to Hybrids in Western Kenya. *Weed. Technol.* **30**:21–28. [4]
- Midler, E., U. Pascual, A. G. Drucker, U. Narloch, and J. L. Soto. 2015. Unraveling the Effects of Payments for Ecosystem Services on Motivations for Collective Action. *Ecol. Econ.* **120**:394–405. [2]
- Mijatović, D., F. Van Oudenoven, P. B. Eyzaguirre, and T. Hodgkin. 2013. The Role of Agricultural Biodiversity in Strengthening Resilience to Climate Change: Towards an Analytical Framework. *Int. J. Agricult. Sustainabil.* **11**:95–107. [10]
- Mikkelsen, C. 2014. The Indigenous World 2014. Copenhagen: Intl. Work Group for Indigenous Affairs (IWGIA). [12]
- Milla, R., C. P. Osborne, M. M. Turcotte, and C. Violle. 2015. Plant Domestication through an Ecological Lens. *Trends Ecol. Evol.* **30**:463–469. [2]
- Milligan, C., A. Gatrell, and A. Bingley. 2004. Cultivating Health: Therapeutic Landscapes and Older People in Northern England. *Soc. Sci. Med.* **58**:1781–1793. [11]
- MINAGRI. 2017. Catálogo de Variedades de Papa Nativa del Sureste del Departamento de Junín, Perú. Lima: Intl. Potato Center (CIP). [2, 5]
- Mitchell, L., E. Brook, J. E. Lee, C. Buizert, and T. Sowers. 2013. Constraints on the Late Holocene Anthropogenic Contribution to the Atmospheric Methane Budget. *Science* **342**:964–966. [7]
- Money, P. 1996. Viewpoint of Non-Governmental Organizations. In: Agrobiodiversity and Farmers' Rights: Proceedings of a Technical Consultation on an Implementation Framework for Farmers' Rights, ed. M. S. Swaminathan, pp. 40–43. Madras: Swaminathan Research Foundation. [12]
- Monteiro, C. A., G. Cannon, and R. B. Levy. 2016. Nova: The Star Shines Bright. *World Nutri.* **7**:28–38. [10]
- Monteros, A. R. 2011. Potato Landraces: Description and Dynamics in Three Areas of Ecuador. PhD Thesis thesis, Wageningen Agricultural University, Wageningen. [3]
- Montesano, V., D. Negro, G. Sarli, G. Logozzo, and P. S. Zeuli. 2012. Landraces in Island Areas of the Basilicata Region, Italy: Monitoring and Perspectives for on Farm Conservation. *Genet. Resour. Crop Evol.* **59**:701–716. [2]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Mooney, P. R. 1983. The Law of the Seed: Another Development and Plant Genetic Resources. In: *Development Dialogue*, 1–2. Uppsala: Dag Hammarskjöld Foundation. [14]
- Moore, C., and R. D. Raymond. 2006. Back by Popular Demand: The Benefits of Traditional Vegetables. Rome: Intl. Plant Genetic Resources Institute. [9]
- Morandin, L. A., and C. Kremen. 2013. Hedgerow Restoration Promotes Pollinator Populations and Exports Native Bees to Adjacent Fields. *Ecol. Appl.* **23**:829–839. [4]
- Morueta-Holme, N., K. Engemann, P. Sandoval-Acuña, et al. 2015. Strong Upslope Shifts in Chimborazo's Vegetation over Two Centuries since Humboldt. *PNAS* **112**:12741–12745. [5]
- Moscoe, L. J., R. Blas, D. H. Masi, M. H. Masi, and E. Emshwiller. 2017. Genetic Basis for Folk Classification of Oca (*Oxalis Tuberosa* Molina; Oxalidaceae): Implications for Research and Conservation of Clonally Propagated Crops. *Genet. Resour. Crop Evol.* **64**:867–887. [3, 9]
- Moss, R. H., J. A. Edmonds, K. A. Hibbard, et al. 2010. The Next Generation of Scenarios for Climate Change Research and Assessment. *Nature* **463**:747–756. [6]
- Mossakowski, K. N. 2003. Coping with Perceived Discrimination: Does Ethnic Identity Protect Mental Health? *J. Health Soc. Behav.* **44**:318–331. [11]
- Mouser, B., E. Nuitjen, F. Okry, and P. Richards. 2012. Commodity and Anti-Commodity: Linked Histories of Slavery, Emancipation, and Red and White Rice at Sierra Leone. In: *Commodities of Empire Working Paper No. 19*. Wageningen: Univ. of Wageningen. [6]
- Mucioki, M., G. M. Hickey, L. Muhammad, and T. Johns. 2016. Supporting Farmer Participation in Formal Seed Systems: Lessons from Tharaka, Kenya. *Dev. Pract.* **26**:137–148. [9]
- Mueller, B. 2014. Seeds: Grown, Governed, and Contested, or the Ontic in Political Anthropology. *Focaal* **69**:3–11. [13]
- Mukanga, M., J. Derera, P. Tongona, and M. D. Laing. 2011. Farmers' Perceptions and Management of Maize Ear Rots and Their Implications for Breeding for Resistance. *Afr. J. Agric. Res.* **6**:4544–4554. [4]
- Mulumba, J. W., R. Nankya, J. Adokorach, et al. 2012. A Risk-Minimizing Argument for Traditional Crop Varietal Diversity Use to Reduce Pest and Disease Damage in Agricultural Ecosystems of Uganda. *Agricul. Ecosyst. Environ.* **157**:70–86. [4]
- Mundt, C. C. 2002. Use of Multiline Cultivars and Cultivar Mixtures for Disease Management. *Annu. Rev. Phytopathol.* **40**:381–410. [4]
- Murphy, K. M., D. Bazile, J. Kellogg, and M. Rahamanian. 2016. Development of a Worldwide Consortium on Evolutionary Participatory Breeding in Quinoa. *Front. Plant Sci.* **7**:608. [4, 6]
- Murphy, K. M., J. C. Dawson, and S. S. Jones. 2008. Relationship among Phenotypic Growth Traits, Yield and Weed Suppression in Spring Wheat Landraces and Modern Cultivars. *Field Crops Res.* **105**:107–115. [4]
- Mwongera, C., J. Boyard-Micheau, C. Baron, and C. Leclerc. 2014. Social Process of Adaptation to Environmental Changes: How Eastern African Societies Intervene between Crops and Climate. *Weather Clim. Soc.* **6**:341–353. [2, 7]
- Myers, N. 1997. Environmental Refugees. *Popul. Environ.* **19**:167–182. [9]
- Myers, N., R. A. Mittermeier, C. G. Mittermeier, G. A. da Fonseca, and J. Kent. 2000. Biodiversity Hotspots for Conservation Priorities. *Nature* **403**:853–858. [5]
- Naess, A. 1973. The Shallow and the Deep, Long-Range Ecology Movement: A Summary. *Inquiry* **16**:95–100. [12]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- NAFRI. 2016. Lao Pdr National Agro-Biodiversity Programme and Action Plan II (2015–2025). Vientiane: National Agriculture and Forestry Research Institute. [1]
- Nakagome, S., G. Alkorta-Aranburu, R. Amato, et al. 2016. Estimating the Ages of Selection Signals from Different Epochs in Human History. *Mol. Biol. Evol.* **33**:657–669. [3]
- Narloch, U., A. G. Drucker, and U. Pascual. 2011a. Payments for Agrobiodiversity Conservation Services for Sustained on-Farm Utilization of Plant and Animal Genetic Resources. *Ecol. Econ.* **70**:1837–1845. [14, 15]
- . 2017. What Role for Cooperation in Conservation Tenders? Paying Farmer Groups in the High Andes. *Land Use Policy* **63**:659–671. [14]
- Narloch, U., U. Pascual, and A. Drucker. 2011b. Cost-Effectiveness Targeting under Multiple Conservation Goals and Equity Considerations in the Andes. *Environ. Conserv.* **38**:417–425. [2]
- Narloch, U., U. Pascual, and A. G. Drucker. 2013. How to Achieve Fairness in Payments for Ecosystem Services? Insights from Agrobiodiversity Conservation Auctions. *Land Use Policy* **35**:107–118. [14]
- Nazarea, V. D. 2005a. Cultural Memory and Biodiversity. Tucson: Univ. of Arizona Press. [13, 14]
- . 2005b. Heirloom Seeds and Their Keepers: Marginality and Memory in the Conservation of Biological Diversity. Tucson: Univ. of Arizona Press. [14]
- . 2006. Local Knowledge and Memory in Biodiversity Conservation. *Annu. Rev. Anthropol.* **35**:317–335. [13, 14]
- Negin, J., R. Remans, S. Karuti, and J. C. Fanzo. 2009. Integrating a Broader Notion of Food Security and Gender Empowerment into the African Green Revolution. *Food Secur.* **1**:351–360. [9]
- Nelson, A., and K. M. Chomitz. 2011. Effectiveness of Strict vs. Multiple Use Protected Areas in Reducing Tropical Forest Fires: A Global Analysis Using Matching Methods. *PLoS One* **6**:e22722. [9]
- Nemogá, G. 2013. Estudio de Caso en Perú: Registro de Conocimientos Colectivos Asociados a la Biodiversidad. In: Seis Estudios de Caso en América Latina y el Caribe: Acceso a Recursos Genéticos y Distribución de Beneficios, ed. M. Rios and A. Mora, pp. 105–116. Quito: UICN-PNUMA/GEF-ABS-LAC. [12]
- . 2016. Biocultural Diversity: Innovating in Research for Conservation. *Acta Biol. Columb.* **21**:311–319. [12, 14]
- . 2018. Designing Biocultural Protocols with the Embera People of Colombia. *Landscape* **7**:20–24. [12]
- Nendel, C., K. C. Kersebaum, W. Mirschel, and K. O. Wenkel. 2014. Testing Farm Management Options as Climate Change Adaptation Strategies Using the Monica Model. *Eur. J. Agron.* **52**:47–56. [6]
- Nevo, E. 1998. Genetic Diversity in Wild Cereals: Regional and Local Studies and Their Bearing on Conservation *Ex Situ* and *in Situ*. *Genet. Resour. Crop Evol.* **45**:355–370. [2]
- Ninkovic, V., I. Dahlin, A. Vučetić, et al. 2013. Volatile Exchange between Undamaged Plants: A New Mechanism Affecting Insect Orientation in Intercropping. *PLoS One* **8**:e69431. [4]
- Noack, A.-L., and N. R. M. Pouw. 2015. A Blind Spot in Food and Nutrition Security: Where Culture and Social Change Shape the Local Food Plate. *Agricul. Human Values* **32**:169–182. [11]
- Nuijten, E. 2010. Gender and Management of Crop Diversity in the Gambia. *J. Polit. Ecol.* **17**:42–58. [6]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Oberlack, C., L. Tejada, P. Messerli, S. Rist, and M. Giger. 2016. Sustainable Livelihoods in the Global Land Rush? Archetypes of Livelihood Vulnerability and Sustainability Potentials. *Glob. Environ. Change* **41**:153–171. [8]
- Obregon-Tito, A. J., R. Y. Tito, J. Metcalf, et al. 2015. Subsistence Strategies in Traditional Societies Distinguish Gut Microbiomes. *Nat. Commun.* **6**:6505. [9]
- O'Brien, K. L., and R. M. Leichenko. 2000. Double Exposure: Assessing the Impacts of Climate Change within the Context of Economic Globalization. *Glob. Environ. Change* **10**:221–232. [6]
- Ofstehage, A. 2012. The Construction of an Alternative Quinoa Economy: Balancing Solidarity, Household Needs, and Profit in San Agustín, Bolivia. *Agricultr. Human Values* **29**:441–454. [8]
- Oka, H. 1969. A Note on the Design of Germplasm Presentation Work in Grain Crops. *SABRAO News.* **1**:127–134. [5]
- Okonya, J. S., R. O. M. Mwanga, K. Syndikus, and J. Kroschel. 2014. Insect Pests of Sweet Potato in Uganda: Farmers' Perceptions of Their Importance and Control Practices. *Springerplus* **3**:303. [4]
- Oliveira, H. R., M. G. Campana, H. Jones, et al. 2012. Tetraploid Wheat Landraces in the Mediterranean Basin: Taxonomy, Evolution and Genetic Diversity. *PLoS One* **7**:e37063. [5]
- O'Neill, B. C., E. Kriegler, K. Riahi, et al. 2014. A New Scenario Framework for Climate Change Research: The Concept of Shared Socioeconomic Pathways. *Clim. Change* **122**:387–400. [6]
- Ordinola, M., T. Bernet, and K. Manrique. 2007. T'ikapapa: Linking Urban Consumers and Small-Scale Andean Producers with Potato Diversity. Lima: International Potato Center. [2, 5]
- Orindi, V. A., and A. Ochieng. 2005. Case Study 5: Kenya Seed Fairs as a Drought Recovery Strategy in Kenya. *IDS Bull.* **36**:87–102. [4]
- Orozco-Ramirez, Q., H. R. Perales, and R. J. Hijmans. 2017. Geographical Distribution and Diversity of Maize (*Zea Mays* L. Subsp. *Mays*) Races in Mexico. *Genet. Resour. Crop Evol.* **64**:855–865. [2, 5]
- Orozco-Ramírez, Q., J. Ross-Ibarra, A. Santacruz-Varela, and S. B. Brush. 2016. Maize Diversity Associated with Social Origin and Environmental Variation in Southern Mexico. *Heredity* **116**:477–484. [8, 13]
- Ortiz, R. 2011. Agrobiodiversity Management for Climate Change. In: Agrobiodiversity Management for Food Security: A Critical Review, ed. J. Lenné and D. Wood, pp. 189–211. Wallingford: CAB International. [4]
- Ostrom, E. 1990. Governing the Commons: The Evolution of Institutions for Collective Action. Cambridge: Cambridge University Press. [11]
- Otero, G. 2012. The Neoliberal Food Regime in Latin America: State, Agribusiness Transnational Corporations and Biotechnology. *Rev. Can. Etudes Dev.* **33**:282–294. [11]
- Oumar, I., C. Mariac, J.-L. Pham, and Y. Vigouroux. 2008. Phylogeny and Origin of Pearl Millet (*Pennisetum Glaucum* [L.] R. Br) as Revealed by Microsatellite Loci. *Theor. Appl. Genet.* **117**:489–497. [3]
- Overmars, K. P., C. J. Schulp, R. Alkemade, et al. 2014. Developing a Methodology for a Species-Based and Spatially Explicit Indicator for Biodiversity on Agricultural Land in the EU. *Ecol. Indic.* **37**:186–198. [8]
- Ozkan, H., A. Brandolini, R. Schäfer-Pregl, and F. Salamini. 2002. AFLP Analysis of a Collection of Tetraploid Wheats Indicates the Origin of Emmer and Hard Wheat Domestication in Southeast Turkey. *Mol. Biol. Evol.* **19**:1797–1801. [3]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Pacicco, L., M. Bodesmo, R. Torricelli, and V. Negri. 2018. A Methodological Approach to Identify Agro-Biodiversity Hotspots for Priority In Situ Conservation of Plant Genetic Resources. *PLoS One* **13**:e0197709. [5]
- Padmanabhan, M. A. 2007. The Making and Unmaking of Gendered Crops in Northern Ghana. *Singap. J. Trop. Geogr.* **28**:57–70. [14]
- Padulosi, S., N. Bergamini, and T. Lawrence, eds. 2011a. On-Farm Conservation of Neglected and Underutilized Species: Status, Trends and Novel Approaches to Cope with Climate Change. Rome: Bioversity International. [15]
- Padulosi, S., V. Heywood, D. Hunter, and A. Jarvis. 2011b. Underutilized Species and Climate Change: Current Status and Outlook. In: *Crop Adaptation to Climate Change*, ed. S. S. Yadav et al., pp. 507–521. New York: Wiley. [7]
- Paine, R. T. 1995. A Conversation on Refining the Concept of Keystone Species. *Conserv. Biol.* **9**:962–964. [9]
- Pallante, G., A. G. Drucker, and S. Sthapit. 2016. Assessing the Potential for Niche Market Development to Contribute to Farmers' Livelihoods and Agrobiodiversity Conservation: Insights from the Finger Millet Case Study in Nepal. *Ecol. Econ.* **130**:92–105. [4]
- Parra, F., A. Casas, J. M. Peñaloza-Ramírez, et al. 2010. Evolution under Domestication: Ongoing Artificial Selection and Divergence of Wild and Managed *Stenocereus Pruinosus* (Cactaceae) Populations in the Tehuacán Valley, Mexico. *Ann. Bot.* **106**:483–496. [3]
- Parra-Quijano, M., J. M. Iriondo, and E. Torres. 2011. Improving Representativeness of Genebank Collections through Species Distribution Models, Gap Analysis and Ecogeographical Maps. *Biodivers. Conserv.* **21**:79–96. [5]
- Parsa, S. 2010. Native Herbivore Becomes Key Pest after Dismantlement of a Traditional Farming System. *Am. Entomol.* **56**:242–251. [2]
- Parsa, S., R. Ccanto, and J. A. Rosenheim. 2011. Resource Concentration Dilutes a Key Pest in Indigenous Potato Agriculture. *Ecol. Appl.* **21**:539–546. [2, 4]
- Pascual, U., and C. Perrings. 2007. Developing Incentives and Economic Mechanisms for *In Situ* Biodiversity Conservation in Agricultural Landscapes. *Agricul. Ecosyst. Environ.* **121**:256–268. [15]
- Pati, R. N., S. Shukla, and L. Chanza, eds. 2014. Traditional Environmental Knowledge and Biodiversity. New Delhi: Sarup Book Publishers [12]
- Pautasso, M., G. Aistara, A. Barnaud, et al. 2013. Seed Exchange Networks for Agrobiodiversity Conservation: A Review. *Agronom. Sustain. Devel.* **33**:151–175. [8, 13, 14]
- Peiffer, J. A., A. Spor, O. Koren, et al. 2013. Diversity and Heritability of the Maize Rhizosphere Microbiome under Field Conditions. *PNAS* **110**:6548–6553. [4]
- Perales, H. R., B. Benz, and S. B. Brush. 2005. Maize Diversity and Ethnolinguistic Diversity in Chiapas, Mexico. *PNAS* **102**:949–954. [2, 13]
- Perales, H. R., and D. Golicher. 2014. Mapping the Diversity of Maize Races in Mexico. *PLoS One* **9**:e114657. [2, 5, 9, 13, 14]
- Perales, H. R., and C. J. M. Hernández. 2005. Diversidad del Maíz en Chiapas. In: *Diversidad Biológica en Chiapas*, ed. M. González-Espínosa et al., pp. 419–440. Mexico: Plaza y Valdez y Ecosur. [12]
- Pereira, H. M., and H. D. Cooper. 2006. Towards the Global Monitoring of Biodiversity Change. *Trends Ecol. Evol.* **21**:123–129. [8]
- Perkins, J. M., S. V. Subramanian, and N. A. Christakis. 2015. Social Networks and Health: A Systematic Review of Sociocentric Network Studies in Low- and Middle-Income Countries. *Soc. Sci. Med.* **125**:60–78. [11]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Perreault, T. 2005. Why Chacras (Swidden Gardens) Persist: Agrobiodiversity, Food Security, and Cultural Identity in the Ecuadorian Amazon. *Hum. Organ.* **64**:327–339. [13]
- Perrier, X., E. De Langhe, M. Donohue, et al. 2011. Multidisciplinary Perspectives on Banana (*Musa Spp.*) Domestication. *PNAS* **108**:11311–11318. [3]
- Perrings, C., S. Baumgärtner, W. A. Brock, et al. 2009. The Economics of Biodiversity and Ecosystem Services. In: Biodiversity, Ecosystem Functioning, and Human Wellbeing: An Ecological and Economic Perspective, ed. S. Naeem et al., pp. 230–247. Oxford: Oxford Univ. Press. [15]
- Perrings, C., L. Jackson, K. Bawa, et al. 2006. Biodiversity in Agricultural Landscapes: Saving Natural Capital without Losing Interest. *Conserv. Biol.* **20**:263–264. [1]
- Peschard, K. 2014. Farmers' Rights and Food Sovereignty: Critical Insights from India. *J. Peasant Stud.* **41**:1085–1108. [14]
- Pestalozzi, H. 2000. Sectoral Fallow Systems and the Management of Soil Fertility: The Rationality of Indigenous Knowledge in the High Andes of Bolivia. *Mt. Res. Dev.* **20**:64–71. [2, 4]
- Pettis, J. S., E. M. Lichtenberg, M. Andree, et al. 2013. Crop Pollination Exposes Honey Bees to Pesticides Which Alters Their Susceptibility to the Gut Pathogen Nosema Ceranae. *PLoS One* **8**:e70182. [4]
- Phalan, B., M. Onia, A. Balmford, and R. E. Green. 2011. Reconciling Food Production and Biodiversity Conservation: Land Sharing and Land Sparing Compared. *Science* **333**:1289–1291. [9]
- Phillips, S. L., and M. S. Wolfe. 2005. Evolutionary Plant Breeding for Low Input Systems. *J. Agric. Sci.* **143**:245–254. [4]
- Pierce, J., D. G. Martin, and J. T. Murphy. 2011. Relational Place-Making: The Networked Politics of Place. *Trans. Inst. Br. Geogr.* **36**:54–70. [13]
- Pieroni, A., S. Nebel, R. F. Santoro, and M. Heinrich. 2005. Food for Two Seasons: Culinary Uses of Non-Cultivated Local Vegetables and Mushrooms in a South Italian Village. *Int. J. Food Sci. Nutr.* **56**:245–272. [11]
- Pierotti, R. 2011. Indigenous Knowledge, Ecology, and Evolutionary Biology. New York: Routledge. [12]
- Pimentel, D., M. McNair, L. Buck, M. Pimentel, and J. Kamil. 1997. The Value of Forests to World Food Security. *Hum. Ecol.* **25**:91–120. [9]
- Pingali, P. 2015. Agricultural Policy and Nutrition Outcomes: Getting Beyond the Preoccupation with Staple Grains. *Food Secur.* **7**:583–591. [7]
- Pinna, S. 2017. Sowing Landscapes: Social and Ecological Aspects of Food Production in Peri-Urban Spatial Planning Initiatives-a Study from the Madrid Area. *Future Food* **5**:34–45. [8]
- Pinstrup-Andersen, P. 2009. Food Security: Definition and Measurement. *Food Secur.* **1**:5–7. [11]
- Pionetti, C. 2006. Seed Diversity in the Drylands: Women and Farming in South India. Gatekeeper Series 126. Stockholm: International Institute for Environment and Development. [13]
- Pirro, C., and I. Anguelovski. 2017. Farming the Urban Fringes of Barcelona: Competing Visions of Nature and the Contestation of a Partial Sustainability Fix. *Geoforum* **82**:53–65. [8]
- Pistorius, R. 1997. Scientists, Plants and Politics: A History of the Plant Genetic Resources Movement. Rome: Intl. Plant Genetic Resources Institute (IPGRI). [5]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Plenderleith, K. 1999. Traditional Agriculture and Soil Management. In: Cultural and Spiritual Values of Biodiversity, ed. D. A. Posey, pp. 285–324. London: UNEP-ITP. [12]
- Pollan, M. 2006. The Omnivore's Dilemma: A Natural History of Four Meals. London: Penguin. [6]
- Polreich, S., S. de Haan, H. Juárez, et al. 2014. An Interdisciplinary Monitoring Network of Diversity Hotspots of Long-Term *in Situ* Conservation of Potato Landraces: Bridging the Gap between Increasing Knowledge and Decreasing Resources. In: Proc. Tropentag 2014: Intl. Research on Food Security, Natural Resource Management and Rural Development. Lima: Intl. Potato Center (CIP). [5]
- Poot-Pool, W. S., H. van der Wal, S. Flores-Guido, J. M. Pat-Fernández, and L. Esparza-Olgún. 2015. Home Garden Agrobiodiversity Differentiates Along a Rural-Periurban Gradient in Campeche, México. *Econ. Bot.* **69**:203–217. [8]
- Popkin, B. 2004. The Nutrition Transition: An Overview of World Patterns of Change. *Nutr. Rev.* **62**:S140 – S143. [9]
- Porter, J. R., L. Xie, A. J. Challinor, et al. 2014. Food Security and Food Production Systems. In: Climate Change 2014: Impacts, Adaptation and Vulnerability, ed. Working Group II Contribution to the IPCC 5th Assessment Report, pp. 485–533. Cambridge: Cambridge Univ. Press. [6, 7]
- Posey, D. A., ed. 1999a. Cultural and Spiritual Values of Biodiversity. Nairobi: United Nations Environment Programme (UNEP). [9]
- _____. 1999b. Introduction: Culture and Nature: The Inextricable Link. In: Cultural and Spiritual Values of Biodiversity, ed. D. A. Posey, pp. 3–18. London: UNEP-ITP. [12]
- Posey, D. A., J. Frechione, J. Eddins, et al. 1984. Ethnoecology as Applied Anthropology in Amazonian Development. *Hum. Org.* **43**:95–107. [12]
- Poudel, R., A. Jumpponen, D. C. Schlatter, et al. 2016. Analytical and Theoretical Plant Pathology Microbiome Networks: A Systems Framework for Identifying Candidate Microbial Assemblages for Disease Management. Analytic. *Phytopathology* **106**:1083–1096. [13]
- Powell, B. 2012. Biodiversity and Human Nutrition in a Landscape Mosaic of Farms and Forests in the East Usambara Mountains, Tanzania. Ph.D., McGill Univ., Montreal. [9]
- Powell, B., A. Ickowitz, S. McMullin, et al. 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. Rome: FAO and the World Health Organization. [9]
- Powell, B., S. H. Thilsted, A. Ickowitz, et al. 2015. Improving Diets with Wild and Cultivated Biodiversity from across the Landscape. *Food Secur.* **7**:535–554. [9–11]
- Power, A. G. 2010. Ecosystem Services and Agriculture: Tradeoffs and Synergies. *Philos. Trans. R. Soc. Lond. B Biol. Sci.* **365**:2959–2971. [4]
- Prain, G., and M. Dubbeling. 2011. Urban Agriculture: A Sustainable Solution to Alleviating Urban Poverty, Addressing the Food Crisis, and Adapting to Climate Change: Case Studies of the Cities of Accra, Nairobi, Lima, and Bangalore. Leusden: RUA Foundation. [9]
- Prain, G., N. Karanja, and D. Lee-Smith, eds. 2010. African Urban Harvests: Agriculture in the Cities of Cameroon, Kenya and Uganda. New York: Springer. [8]
- Prugnolle, F., A. Manica, and F. Balloux. 2005. Geography Predicts Neutral Genetic Diversity of Human Populations. *Curr. Biol.* **15**:R159–160. [3]
- Purugganan, M. D., and D. Q. Fuller. 2009. The Nature of Selection during Plant Domestication. *Nature* **457**:843–848. [2]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Putt, E. D. 1997. Early History of Sunflower. In: Sunflower Technology and Production, ed. A. A. Schneiter, vol. 35, pp. 1–20. Agronomy. Madison: American Society of Agronomy, Inc., Crop Science Society of America, Inc., Soil Science Society of America, Inc. [9]
- Quiggin, J. C., and J. K. Horowitz. 2003. Costs of Adjustment to Climate Change. *Aust. J. Agric. Resour. Econ.* **47**:429–446. [7]
- Rabbi, I. Y., P. A. Kulakow, J. A. Manu-Aduening, et al. 2015. Tracking Crop Varieties Using Genotypingby-Sequencing Markers: A Case Study Using Cassava (*Manihot Esculenta* Crantz). *BMC Genet.* **16**:115. [5]
- Rabitz, F. 2017. Access without Benefit-Sharing: Design, Effectiveness and Reform of the FAO Seed Treaty. *Int. J. Commons* **11**:621–640. [13]
- Radel, C., B. Schmook, J. McEvoy, C. Méndez, and P. Petrelka. 2012. Labour Migration and Gendered Agricultural Relations: The Feminization of Agriculture in the Ejidal Sector of Calakmul, Mexico. *J. Agrar. Change* **7**:98–119. [6]
- Ramanna, A. 2003. India's Plant Variety and Farmers' Rights Legislation: Potential Impact on Stakeholder Access to Genetic Resources. Eptd Discussion Paper No. 96. Washington, D.C.: Environment and Production Technology Division (EPTD). [12]
- Ramirez, A. S., L. K. Diaz Rios, Z. Valdez, E. Estrada, and A. Ruiz. 2017. Bringing Produce to the People: Implementing a Social Marketing Food Access Intervention in Rural Food Deserts. *J. Nutr. Educ. Behav.* **49**:166–174. [9]
- Ramírez-Villegas, J., C. K. Khoury, A. Jarvis, D. G. Debouck, and L. Guarino. 2010. A Gap Analysis Methodology for Collecting Crop Genepools: A Case Study with Phaseolus Beans. *PLoS One* **5**:e13497. [5]
- Raneri, J. E., and G. Kennedy. 2017. Agricultural Biodiversity for Healthy Diets and Food Systems. In: Routledge Handbook of Agricultural Biodiversity, ed. D. Hunter et al. New York: Routledge. [10]
- Rangan, H., E. A. Alpers, T. Denham, C. A. Kull, and J. Carney. 2015. Food Traditions and Landscape Histories of the Indian Ocean World: Theoretical and Methodological Reflections. *Environ. Hist. Camb.* **21**:135–157. [8]
- Rao, E. J., and M. Qaim. 2011. Supermarkets, Farm Household Income, and Poverty: Insights from Kenya. *World Dev.* **39**:784–796. [6]
- Ratnadass, A., P. Fernandes, J. Avelino, and R. Habib. 2012. Plant Species Diversity for Sustainable Management of Crop Pests and Diseases in Agroecosystems: A Review. *Agronom. Sustain. Devel.* **32**:273–303. [4]
- Ravera, F., U. Pascual, A. Drucker, et al. 2019. Gendered agrobiodiversity management and everyday adaptation practices in two marginal rural areas of India. *Agricul. Human Values*, in press. [11]
- Reardon, T., K. Chen, B. Minten, and L. Adriano. 2012. The Quiet Revolution in Staple Food Value Chains: Enter the Dragon, the Elephant and the Tiger. Mandaluyong City: Asian Development Bank and International Food Policy Research Institute. [14]
- Rebelo, A. G. 1994. Iterative Selection Procedures: Centres of Endemism and Optimal Placement of Reserves. *Strelitzia* **1**:231–257. [5]
- Reenberg, A., I. Maman, and P. Okszen. 2013. Twenty Years of Land Use and Livelihood Changes in Se-Niger: Obsolete and Short-Sighted Adaptation to Climatic and Demographic Pressures? *J. Arid Environ.* **94**:47–58. [8]
- Reichman, J. H., T. Dedeurwaerdere, and P. F. Uhlir. 2016. Governing Digitally Integrated Genetic Resources, Data, and Literature: Global Intellectual Property Strategies for a Redesigned Microbial Research Commons. New York: Cambridge Univ. Press. [15]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Renting, H., and H. Wiskerke. 2010. New Emerging Roles for Public Institutions and Civil Society in the Promotion of Sustainable Local Agro-Food Systems. In: Proc. 9th European IFSA Symposium: Transitions Towards Sustainable Agriculture from Farmers to Agro-Food Systems, ed. I. Darnhofer and M. Grötzer, pp. 1902–1912. Vienna: Vienna. [11]
- Reyes-García, V., T. Huanca, V. Vadez, W. Leonard, and D. Wilkie. 2006. Cultural, Practical, and Economic Value of Wild Plants: A Quantitative Study in the Bolivian Amazon. *Econ. Bot.* **60**:62–74. [1]
- Reyes-García V., J. Luis Molina, L. Calvet-Mir, et al. 2013. *Tertius Gaudens*: Germplasm Exchange Networks and Agroecological Knowledge among Home Gardeners in the Iberian Peninsula. *J. Ethnobiol. Ethnomed.* **9**:53. [11]
- Reyes-García, V., G. Menendez-Baceta, L. Aceituno-Mata, et al. 2015. From Famine Foods to Delicatessen: Interpreting Trends in the Consumption and Gathering of Wild Edible Plants through Their Connection to Cultural Ecosystem Services. *Ecol. Econ.* **12**:303–311. [8, 11]
- Ribot, J. C., and N. L. Peluso. 2003. A Theory of Access. *Rural Sociol.* **68**:153–181. [8]
- Ricciardi, V. 2015. Social Seed Networks: Identifying Central Farmers for Equitable Seed Access. *Agric. Syst.* **139**:110–121. [11]
- Richards, M. P., R. J. Schulting, and R. E. Hedges. 2003. Archaeology: Sharp Shift in Diet at Onset of Neolithic. *Nature* **425**:366–366. [2]
- Richards, P., and G. Ruivenkamp. 1997. Seeds and Survival: Crop Genetic Resources in War and Reconstruction in Africa. Rome: International Plant Genetic Resources Institute (IPGRI). [2, 8]
- Ríos, D., M. Ghislain, F. Rodríguez, and D. M. Spooner. 2007. What Is the Origin of the European Potato? Evidence from Canary Island Landraces. *Crop Sci.* **47**:1271–1280. [3, 5]
- Roa, C., R. S. Hamilton, P. Wenzl, and W. Powell. 2016. Plant Genetic Resources: Needs, Rights, and Opportunities. *Trends Plant Sci.* **21**:633–636. [13]
- Rockström, J., W. Steffen, K. Noone, et al. 2009. A Safe Operating Space for Humanity. *Nature* **461**:472–475. [9]
- Rodríguez, P., C. Sanjuanelo, L. Núñez, C. Eduardo, and L. P. Moreno-Fonseca. 2016. Growth and Phenology of Three Andean Potato Varieties (*Solanum tuberosum* L.) under Water Stress. *Agromon. Colomb.* **34**:141–154. [9]
- Rogelj, J., M. den Elzen, N. Höhne, et al. 2016. Paris Agreement Climate Proposals Need a Boost to Keep Warming Well Below 2°C. *Nature* **534**:631–639. [6]
- Rook, A. J., B. Dumont, J. Isselstein, et al. 2004. Matching Type of Livestock to Desired Biodiversity Outcomes in Pastures—a Review. *Biol. Conserv.* **119**:137–150. [2]
- Rosendal, K. 2000. The Convention on Biological Diversity and Developing Countries. Dordrecht: Kluwer Academic Publishers. [14]
- Rostami, R., A. Koocheki, P. R. Moghaddam, and M. N. Mahallati. 2016. Effect of Landscape Structure on Agrobiodiversity in Western Iran (Gilan-E Gharb). *Agro-ecol. Sust. Food* **40**:660–692. [5]
- Roullier, C., L. Benoit, D. McKey, and V. Lebot. 2013a. Historical Collections Reveal Patterns of Diffusion of Sweet Potato in Oceania Obscured by Modern Plant Movements and Recombination. *PNAS* **110**:2205–2210. [3, 8]
- Roullier, C., R. Kambou, J. Paofa, D. McKey, and V. Lebot. 2013b. On the Origin of Sweet Potato (*Ipomoea Batatas* (L.) Lam) Genetic Diversity in New Guinea, a Secondary Centre of Diversity. *Heredity* **110**:594–604. [2]
- Rowland, D., A. Ickowitz, B. Powell, R. Nasi, and T. Sunderland. 2016. Forest Foods and Healthy Diets: Quantifying the Contributions. *Environ. Conserv.* **44**:1–13. [9]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Roy, S., B. C. Marndi, B. Mawkhlieng, et al. 2016. Genetic Diversity and Structure in Hill Rice (*Oryza Sativa L.*) Landraces from the North-Eastern Himalayas of India. *BMC Genet.* **17**:107. [13]
- Ruddiman, W. F. 2013. The Anthropocene. *Annu. Rev. Earth Planet. Sci.* **41**:45–68. [7]
- Ruel, M. T. 2003. Operationalizing Dietary Diversity: A Review of Measurement Issues and Research Priorities. *J. Nutr.* **133**:3911S–3926S. [11]
- Ruiz, M. 2011. Seeking Benefit Sharing through a Defensive Approach: The Experience of the National Commission for the Prevention of Biopiracy. In: The Custodians of Biodiversity: Sharing Access to and Benefits of Genetic Resources, ed. M. Ruiz and R. Verwooy, pp. 43–52. London: Routledge. [12]
- Salas, M. 2005. Seeds-Songs: Reflection of Swidden Agriculture, Agro-Biodiversity and Food Sovereignty. *Indigen. Aff.* **2**:14–21. [12]
- Salazar, R., N. P. Louwaars, and B. Visser. 2007. Protecting Farmers' New Varieties: New Approaches to Rights on Collective Innovations in Plant Genetic Resources. *World Dev.* **35**:1515–1528. [13, 14]
- Salick, J. 2012. Indigenous Peoples Conserving, Managing, and Creating Biodiversity. Biodiversity in Agriculture: Domestication, Evolution and Sustainability, P. Gepts et al., series ed. Cambridge: Cambridge Univ. Press. [3]
- Salter, B., and C. Salter. 2017. Controlling New Knowledge: Genomic Science, Governance and the Politics of Bioinformatics. *Soc. Stud. Sci.* **47**:263–287. [14]
- Sangabriel-Conde, W., S. Negrete-Yankelevich, I. Eduardo Maldonado-Mendoza, and D. Trejo-Aguilar. 2014. Native Maize Landraces from Los Tuxtlas, Mexico Show Varying Mycorrhizal Dependency for P Uptake. *Biol. Fertil. Soils* **50**:405–414. [4]
- Santilli, J. 2012. Agrobiodiversity and the Law: Regulating Genetic Resources, Food Security and Cultural Diversity. New York: Routledge. [13]
- Sardinas, H. S., and C. Kremen. 2015. Pollination Services from Field-Scale Agricultural Diversification May Be Context-Dependent. *Agricul. Ecosyst. Environ.* **207**:17–25. [4]
- Sarikamis, G., J. Marquez, R. MacCormack, et al. 2006. High Glucosinolate Broccoli: A Delivery System for Sulforaphane. *Mol. Breeding* **18**:219–228. [2]
- Särkinen, T., P. González, and S. Knapp. 2013. Distribution Models and Species Discovery: The Story of a New *Solanum* Species from the Peruvian Andes. *PhytoKeys* **20**:1–20. [5]
- Sawyer, S., and E. Terence-Gomez. 2013. On Indigenous Identity and a Language of Rights. In: The Politics of Resource Extraction: Indigenous Peoples, Multinational Corporations and the State, ed. S. Sawyer and E. Terence-Gomez, pp. 9–32. Hampshire: Palgrave Macmillan. [12]
- Scarcelli, N., S. Tostain, Y. Vigouroux, et al. 2006. Farmers' Use of Wild Relative and Sexual Reproduction in a Vegetatively Propagated Crop: The Case of Yam in Benin. *Mol. Ecol.* **15**:2421–2431. [3]
- Schaafsma, A., V. Limay-Rios, Y. Xue, J. Smith, and T. Baute. 2016. Field-Scale Examination of Neonicotinoid Insecticide Persistence in Soil as a Result of Seed Treatment Use in Commercial Maize (Corn) Fields in Southwestern Ontario. *Environ. Toxicol. Chem.* **35**:295–302. [4]
- Schiffels, S., and R. Durbin. 2014. Inferring Human Population Size and Separation History from Multiple Genome Sequences. *Nat. Genet.* **46**:919–925. [3]
- Schiller, J. M., M. B. Chanpengxay, B. Linguist, and S. Appa Rao, eds. 2006. Rice in Laos. Los Baños: International Rice Research Institute (IIRI), Australian Centre for International Agricultural Research (ACIAR). [2]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Schlegel, S. A., and H. A. Guthrie. 1973. Diet and the Tiruray Shift from Swidden to Plow Farming. *Ecol. Food Nutr.* **2**:181–191. [9]
- Schmidhuber, J., and F. N. Tubiello. 2007. Global Food Security under Climate Change. *PNAS* **104**:19703–19708. [11]
- Schmidt, J. E., T. M. Bowles, and A. C. M. Gaudin. 2016. Using Ancient Traits to Convert Soil Health into Crop Yield: Impact of Selection on Maize Root and Rhizosphere Function. *Front. Plant Sci.* **7**:373. [4]
- Schroth, G., U. Krauss, L. Gasparotto, J. A. D. Aguilar, and K. Vohland. 2000. Pests and Diseases in Agroforestry Systems of the Humid Tropics. *Agroforest. Syst.* **50**:199–241. [4]
- Schwartz, S. J., J. B. Unger, B. L. Zamboanga, and J. Szapocznik. 2010. Rethinking the Concept of Acculturation Implications for Theory and Research. *Am. Psychol.* **65**:237–251. [11]
- Scott, M. P., J. W. Edwards, C. P. Bell, J. R. Schussler, and J. S. Smith. 2006. Grain Composition and Amino Acid Content in Maize Cultivars Representing 80 Years of Commercial Maize Varieties. *Maydica* **51**:417–423. [2]
- Scrimshaw, N. S., and J. P. San Giovanni. 1997. Synergism of Nutrition, Infection, and Immunity: An Overview. *Am. J. Clin. Nutr.* **66**:464S–477S. [10]
- Scurrah, M., C. Celis-Gamboa, S. Chumbiauca, A. Salas, and R. G. Visser. 2008. Hybridization between Wild and Cultivated Potato Species in the Peruvian Andes and Bio-safety Implications for Deployment of Gm Potatoes. *Euphytica* **164**:881–892. [3, 4]
- Scurrah, M., S. de Haan, and T. Winge. 2013. Cataloguing Potato Varieties and Traditional Knowledge from the Andean Highlands of Huancavelica, Peru. In: Realizing Farmers' Rights to Crop Genetic Resources: Success Stories and Best Practices, ed. R. Andersen and T. Winge, pp. 65–79. London: Routledge Press. [2, 3, 14]
- Scurrah, M., E. Fernandez-Baca, R. Ccanto, et al. 1999. Learning About Biodiversity in Peru. *ILEIA News.* **15**:26–28. [2]
- Seimon, T. A., A. Seimon, P. Daszak, et al. 2007. Upward Range Extension of Andean Anurans and Chytridiomycosis to Extreme Elevations in Response to Tropical De-glaciation. *Glob. Chang. Biol.* **13**:288–299. [5]
- Seo, S. N. 2012. Decision Making under Climate Risks: An Analysis of Sub-Saharan Farmers' Adaptation Behaviors. *Weather Clim. Soc.* **4**:285–299. [7]
- Serra, P., D. Saurí, and L. Salvati. 2017. Peri-Urban Agriculture in Barcelona: Outlining Landscape Dynamics *Vis À Vis* Socio-Environmental Functions. *Landscape Res.* **43**:613–131. [8]
- Serrasolses, G., L. Calvet-Mir, E. Carrió, et al. 2016. A Matter of Taste: Local Explanations for the Consumption of Wild Food Plants in the Catalan Pyrenees and the Balearic Islands. *Econ. Bot.* **70**:176–189. [9]
- Sessitsch, A., and B. Mitter. 2015. 21st Century Agriculture: Integration of Plant Microbiomes for Improved Crop Production and Food Security. *Microb. Biotechnol.* **8**:32–33. [8]
- Severson, K. 2016. A Rush of Americans, Seeking Gold in Cuban Soil. *New York Times* June 20, 2016. [8]
- Shaver, I., A. Chain-Guadarrama, K. A. Cleary, et al. 2015. Coupled Social and Ecological Outcomes of Agricultural Intensification in Costa Rica and the Future of Biodiversity Conservation in Tropical Agricultural Regions. *Glob. Environ. Change* **32**:74–86. [8]
- Shea, K. M. 2003. Antibiotic Resistance: What Is the Impact of Agricultural Uses of Antibiotics on Children's Health? *Pediatrics* **112**:253–258. [11]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Shen, S., G. Xu, D. Li, et al. 2017. Agrobiodiversity and in Situ Conservation in Ethnic Minority Communities of Xishuangbanna in Yunnan Province, Southwest China. *J. Ethnobiol. Ethnomed.* **13**:28. [13]
- Shepherd, C. J. 2010. Mobilizing Local Knowledge and Asserting Culture: The Cultural Politics of *in Situ* Conservation of Agricultural Biodiversity. *Curr. Anthropol.* **51**:629–654. [12]
- . 2017. Andean Cultural Affirmation and Cultural Integration in Context: Reflections on Indigenous Knowledge for the *in Situ* Conservation of Agrobiodiversity. In: Indigenous Knowledge: Enhancing Its Contribution to Natural Resources Management, ed. P. Sillitoe, pp. 130–146. Wallingford: CABI Publishing. [5]
- Sherwood, S., A. Deaconu, and M. Paredes. 2017. 250 Thousand Families Campaign: The Existence of Flavor and Taste In: Food, Agriculture and Social Change: The Everyday Vitality of Latin America, ed. S. Sherwood et al. London: Routledge. [9]
- Sherwood, S., S. van Bommel, and M. Paredes. 2016. Self-Organization and the By-pass: Re-Imagining Institutions for More Sustainable Development in Agriculture and Food. *Agriculture* **6**:1–19. [14]
- Shewayrga, H., D. R. Jordan, and I. D. Godwin. 2008. Genetic Erosion and Changes in Distribution of Sorghum Landraces in North-Eastern Ethiopia. *Plant Genet. Resour.* **6**:1–10. [9]
- Shillington, L. 2008. Being(S) in Relation at Home: Socio-Natures of Patio Gardens in Managua, Nicaragua. *Soc. Cult. Geogr.* **9**:755–776. [11]
- Shoffner, A. V., and J. F. Tooker. 2013. The Potential of Genotypically Diverse Cultivar Mixtures to Moderate Aphid Populations in Wheat (*Triticum Aestivum* L.). *Arthropod Plant Interact.* **7**:33–43. [4]
- Sibhatu, K. T., V. V. Krisha, and M. Qaim. 2015. Production Diversity and Dietary Diversity in Smallholder Farm Households. *PNAS* **112**:10657–10662. [6]
- Sietz, D., J. C. Ordoñez, M. T. J. Kok, et al. 2017. Nested Archetypes of Vulnerability in African Drylands: Where Lies Potential for Sustainable Agricultural Intensification? *Environ. Res. Lett.* **12**:095006. [8]
- Sileshi, G. W., P. Nyeko, P. O. Y. Nkunika, et al. 2009. Integrating Ethno-Ecological and Scientific Knowledge of Termites for Sustainable Termite Management and Human Welfare in Africa. *Ecol. Soc.* **14**:48. [2, 4]
- Sissoko, S., S. Doumbia, M. Vaksmann, et al. 2008. Accounting for Farmer Knowledge in Varietal Choice in a Plant Breeding Programme. *Cah. Agric.* **17**:128–133. [2]
- Skarbo, K. 2014. The Cooked Is the Kept: Factors Shaping the Maintenance of Agro-Biodiversity in the Andes. *Hum. Ecol.* **42**:711–726. [14]
- . 2015. From Lost Crop to Lucrative Commodity: Conservation Implications of the Quinoa Renaissance. *Hum. Organ.* **74**:86–99. [8]
- Skarbo, K., and K. VanderMolen. 2015. Maize Migration: Key Crop Expands to Higher Altitudes under Climate Change in the Andes. *Clim. Dev.* **8**:245–255. [5]
- Smale, M., M. R. Bellon, D. I. Jarvis, and B. R. Sthapit. 2004. Economic Concepts for Designing Policies to Conserve Crop Genetic Resources on Farms. *Genet. Resour. Crop Evol.* **51**:121–135. [15]
- Smale, M., L. Diakité, and N. Keita. 2012. Millet transactions in market fairs, millet diversity and farmer welfare in Mali. *Environ. Devel. Econ.* **17**: 523–546. [15]
- Smith, K. P., and N. A. Christakis. 2008. Social Networks and Health. *Annu. Rev. Sociol.* **34**:405–429. [11]
- Snapp, S. S., M. J. Blackie, R. A. Gilbert, R. Bezner-Kerr, and G. Y. Kanyama-Phiri. 2010. Biodiversity Can Support a Greener Revolution in Africa. *PNAS* **107**:20840–20845. [2]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Sonnenburg, J. L., and F. Backhed. 2016. Diet-Microbiota Interactions as Moderators of Human Metabolism. *Nature* **535**:56–64. [9]
- Sperling, L. 2001. The Effect of the Civil War on Rwanda's Bean Seed Systems and Unusual Bean Diversity. *Biodivers. Conserv.* **10**:989–1009. [2, 3]
- Sperling, L., and S. J. McGuire. 2010. Persistent Myths About Emergency Seed Aid. *Food Pol.* **35**:195–201. [8]
- Spooner, D. M., T. Gavrilenko, S. H. Jansky, et al. 2010. Ecogeography of Ploidy Variation in Cultivated Potato (*Solanum Sect. Petota*). *Am. J. Bot.* **97**:2049–2060. [5]
- Spooner, D. M., K. McLean, G. Ramsay, R. Waugh, and G. J. Bryan. 2005. A Single Domestication for Potato Based on Multilocus Amplified Fragment Length Polymorphism Genotyping. *PNAS* **102**:14694–14699. [3]
- Stahl, P. W. 2015. Interpreting Interfluvial Landscape Transformations in the Pre-Columbian Amazon. *Holocene* **25**:1598–1603. [4]
- Stanner, W. 1969. The Kitui Kamba Market, 1938–39. *Ethnology* **8**:125–138. [9]
- Steward, A. M., and D. d. M. Lima. 2017. We Also Preserve: Quilombola Defense of Traditional Plant Management Practices against Preservationist Bias in Mumbuca, Minas Gerais, Brazil. *J. Ethnobiol.* **37**:141–165. [6]
- Sthapit, S., G. Meldrum, S. Padulosi, and N. Bergamini, eds. 2015. Strengthening the Role of Custodian Farmers in the National Conservation Programme of Nepal. Rome: LI-BIRD, Bioversity International. [2]
- Stone, G. D. 2007. Agricultural Deskillings and the Spread of Genetically Modified Cotton in Warangal. *Curr. Anthropol.* **48**:67–103. [2]
- . 2016. Towards a General Theory of Agricultural Knowledge Production: Environmental, Social and Didactic Learning. *Cult. Agricul. Food Environ.* **38**:5–17. [6]
- Stone, G. D., A. Flachs, and C. Diepenbrock. 2013. Rythms of the Herd: Long Term Dynamics in Seed Choice by Indian Farmers. *Technol. Soc.* **36**:26–38. [7]
- Stone, G. D., and D. Glover. 2017. Disembedding Grain: Golden Rice, the Green Revolution, and Heirloom Seeds in the Philippines. *Agricul. Human Values* **34**:87–102. [13]
- Strange, S. 1988. States and Markets. London: Pinter. [14]
- Strathern, M. 1996. Cutting the Network. *J. R. Anthropol. Inst.* **2**:517–535. [13]
- Struik, P. C., T. W. Kuyper, L. Brussaard, and C. Leeuwis. 2014. Deconstructing and Unpacking Scientific Controversies in Intensification and Sustainability: Why the Tensions in Concepts and Values? *Curr. Opin. Environ. Sustain.* **8**:80–88. [7]
- Sturz, A. V., B. G. Matheson, W. Arsenault, J. Kimpinski, and B. R. Christie. 2001. Weeds as a Source of Plant Growth Promoting Rhizobacteria in Agricultural Soils. *Can. J. Microbiol.* **47**:1013–1024. [4]
- Sullivan, S. N. 2004. Plant Genetic Resources and the Law: Past, Present, and Future Plant Physiology. *Plant Physiol.* **135**:10–15. [15]
- Suma, T. R., and K. Großmann. 2017. Exclusions in Inclusive Programs: State-Sponsored Sustainable Development Initiatives Amongst the Kurichya in Kerala, India. *Agric. Hum. Val.* **34**:995–106. [14]
- Sunderlin, W. D., J. Hatcher, and M. Liddle. 2008. From Exclusion to Ownership? Challenges and Opportunities in Advancing Forest Tenure Reform. Washington, D.C.: Rights and Resources Initiative. [9]
- Suneson, C. A. 1969. Evolutionary Plant Breeding. *Crop Sci.* **9**:119–121. [2]
- Surowiecki, J. 2004. The Wisdom of Crowds. New York: Doubleday. [7]
- Swaminathan, M. S., ed. 1996. Agrobiodiversity and Farmers' Rights: Proceedings of a Technical Consultation on an Implementation Framework for Farmers' Rights. Madras: Swaminathan Research Foundation. [12]

From "Agrobiodiversity: Integrating Knowledge for a Sustainable Future,"

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Swiderska, K. 2006. Banishing the Biopirates: A New Approach to Protecting Traditional Knowledge. Gatekeeper Series 129, International Institute for Environment and Development, Sustainable Agriculture and Rural Livelihoods Programme. London: IIED. [12]
- Swiderska, K., A. Argumedo, Y. Song, et al. 2009. Protecting Community Rights over Traditional Knowledge: Implications of Customary Laws and Practices: Key Findings and Recommendations 2005-2009: London: IIED. [12]
- Swift, M. J., A. M. N. Izac, and M. van Noordwijk. 2004. Biodiversity and Ecosystem Services in Agricultural Landscapes: Are We Asking the Right Questions? *Agricul. Ecosyst. Environ.* **104**:113–134. [2, 4]
- Swindale, A., and P. Bilinsky. 2006. Household Dietary Diversity Score (Hdds) for Measurement of Household Food Access: Indicator Guide. Washington, D.C.: Food and Nutrition Technical Assistance Project (FANTA). [10]
- Syfert, M. M. 2016. Crop Wild Relatives of the Brinjal Eggplant (*Solanum Melongena*: Solanaceae): Poorly Represented in Genebanks and Many Species at Risk of Extinction. *Am. J. Bot.* **103**:1–17. [5]
- Szoboszlay, M., J. Lambers, J. Chappell, et al. 2015. Comparison of Root System Architecture and Rhizosphere Microbial Communities of Balsas Teosinte and Domesticated Corn Cultivars. *Soil Biol. Biochem.* **80**:34–44. [4]
- Tansey, J., and T. O’ Riordan. 1999. Cultural Theory and Risk: A Review. *Health Risk Soc.* **1**:71–90. [6]
- Tapia, M. E. 2000. Mountain Agrobiodiversity in Peru. *Mt. Res. Dev.* **20**:220–225. [13]
- Tapia, M. E., and A. Rosas. 1993. Seed Fairs in the Andes: A Strategy for Local Conservation of Plant Genetic Resources. In: Cultivating Knowledge: Genetic Diversity, Farmer Experimentation and Crop Research, ed. W. de Boef et al., pp. 111–118. London: Intermediate Technology Publications. [2, 5]
- Taylor, J. R., and S. T. Lovell. 2014. Urban Home Food Gardens in the Global North: Research Traditions and Future Directions. *Agricul. Human Values* **31**:285–305. [8]
- Temudo, M. P. 2011. Planting Knowledge, Harvesting Agro-Biodiversity: A Case Study of Southern Guinea-Bissau Rice Farming. *Hum. Ecol.* **39**:309–321. [8]
- ten Kate, K., and S. A. Laird. 1999. The Commercial Use of Biodiversity: Access to Genetic Resources and Benefit-Sharing. London: Earthscan Publications. [12]
- Teshome, A., J. K. Torrance, B. Baum, et al. 1999. Traditional Farmers’ Knowledge of Sorghum (*Sorghum Bicolor* [Poaceae]) Landrace Storability in Ethiopia. *Econ. Bot.* **53**:69–78. [4]
- Thiele, G. 1999. Informal Potato Seed Systems in the Andes: Why Are They Important and What Should We Do with Them? *World Dev.* **21**:83–99. [2]
- Thomann, M., E. Imbert, R. C. Engstrand, and P.-O. Cheptou. 2015. Contemporary Evolution of Plant Reproductive Strategies under Global Change Is Revealed by Stored Seeds. *J. Evol. Biol.* **28**:766–778. [6]
- Thomas, M., J. C. Dawson, I. Goldringer, and C. Bonneuil. 2011. Seed Exchanges, a Key to Analyze Crop Diversity Dynamics in Farmer-Led on-Farm Conservation. *Genet. Resour. Crop Evol.* **58**:321–338. [13]
- Thomas, M., E. Demeulenaere, J. C. Dawson, et al. 2012. On-Farm Dynamic Management of Genetic Diversity: The Impact of Seed Diffusions and Seed Saving Practices on a Population-Variety of Bread Wheat. *Evol. Appl.* **5**:779–795. [2, 3, 13]
- Thornton, P. K., and M. Herrero. 2015. Adapting to Climate Change in the Mixed Crop and Livestock Farming Systems in Sub-Saharan Africa. *Nat. Clim. Chang.* **5**:830–836. [7]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Thrupp, L. A. 2000. Linking Agricultural Biodiversity and Food Security: The Valuable Role of Agrobiodiversity for Sustainable Agriculture. *Int. Aff.* **76**:265–281. [11, 13, 15]
- Tiffen, M., M. Mortimore, and F. Gichuki. 1994. More People, Less Erosion: Environmental Recovery in Kenya. New York: John Wiley. [8]
- Tilman, D. 1999. Global Environmental Impacts of Agricultural Expansion: The Need for Sustainable and Efficient Practices. *PNAS* **96**:5995–6000. [9, 11]
- Tixier, P., P.-F. Duyck, F.-X. Cote, G. Caron-Lormier, and E. Malezieux. 2013. Food Web-Based Simulation for Agroecology. *Agronom. Sustain. Devel.* **33**:663–670. [4]
- Tobin, D., R. Bates, M. Brennan, and T. Gill. 2018. Peru Potato Potential: Biodiversity Conservation and Value Chain Development. *Renew. Agr. Food Syst.* **33**:19–32. [5, 8]
- Toledo, V., E. Boege, and N. Barrera-Bassols. 2010. The Biocultural Heritage of Mexico: An Overview. *Landscape* **2**:22–31. [12]
- Toledo, V. M., D. Garrido, and N. Barrera-Bassols. 2015. The Struggle for Life: Socio-Environmental Conflicts in Mexico. *Lat. Am. Perspect.* **42**:133–147. [9]
- Tooker, J. F., and S. D. Frank. 2012. Genotypically Diverse Cultivar Mixtures for Insect Pest Management and Increased Crop Yields. *J. Appl. Ecol.* **49**:974–985. [2, 4]
- Trinh, L. N., J. W. Watson, N. N. Hue, et al. 2003. Agrobiodiversity Conservation and Development in Vietnamese Home Gardens. *Agricult. Ecosyst. Environ.* **97**:317–344. [8]
- Tscharntke, T., Y. Clough, T. C. Wanger, et al. 2012. Global Food Security, Biodiversity Conservation and the Future of Agricultural Intensification. *Biol. Conserv.* **151**:53–59. [8]
- Tsing, A. 2012. Unruly Edges: Mushrooms as Companion Species. *Environ. Human.* **1**:141–154. [13]
- Tubiello, F. N., J. F. Soussana, and S. M. Howden. 2007. Crop and Pasture Response to Climate Change. *PNAS* **104**:19686–19690. [6]
- Turner, K. L., and I. J. Davidson-Hunt. 2016. Tensions and Synergies in the Central Valley of Tarija, Bolivia: Commercial Viticulture and Agrobiodiversity in Smallholder Farming Systems. *Agroecol. Sust. Food* **40**:518–552. [8]
- Turner, W., S. Spector, N. Gardiner, et al. 2003. Remote Sensing for Biodiversity Science and Conservation. *Trends Ecol. Evol.* **18**:306–314. [5]
- Tuxill, J. 2005. Agrarian Change and Crop Diversity in Mayan Milpas of Yucatan, Mexico: Implications for on-Farm Conservation. PhD dissertation, Yale University, New Haven. [4]
- Tuxill, J., L. A. Reyes, L. L. Moreno, V. C. Uicab, and D. I. Jarvis. 2010. All Maize Is Not Equal: Maize Variety Choices and Mayan Foodways in Rural Yucatan, Mexico. In: Pre-Columbian Foodways: Interdisciplinary Approaches to Food, Culture, and Markets in Ancient Mesoamerica, ed. J. Staller and M. Carrasco, pp. 467–486. New York: Springer. [4]
- Uchino, B. N. 2009. Understanding the Links between Social Support and Physical Health: A Life-Span Perspective with Emphasis on the Separability of Perceived and Received Support. *Perspect. Psychol. Sci.* **4**:236–255. [11]
- UN. 1993. Convention on Biological Diversity. New York: United Nations. [9]
- _____. 2004. Access and Benefit-Sharing as Related to Genetic Resources (Article 15). In: Convention on Biological Diversity (CBD). New York: United Nations. [12]
- _____. 2008. United Nations Declaration on the Rights of Indigenous Peoples. New York: United Nations. [12]
- _____. 2014a. Additional Information Received on Use of the Term “Indigenous Peoples and Local Communities”. Convention on Biological Diversity (CBD). New York: United Nations. [12]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- UN. 2014b. The Concept of Local Communities: Background Paper Prepared by the Secretariat of the International Expert Group Meeting for Local Community Representatives. In: Convention on Biological Diversity (CBD). New York: United Nations. [12]
- . 2015. Transforming Our World: The 2030 Agenda for Sustainable Development. New York: United Nations. [9]
- . 2016. 244 Million International Migrants Living Abroad Worldwide, New UN Statistics Reveal. UN News. New York: UN. [8]
- . 2017a. New Urban Agenda. New York/Quito: UN. [9]
- . 2017b. Parties to the Nagoya Protocol. In: Convention on Biological Diversity (CBD). New York: United Nations. [12]
- UNICEF. 2015. Unicef's Approach to Scaling up Nutrition for Mothers and Their Children. In: Discussion Paper. New York: United Nations Children's Fund. [10]
- Ureta, M. S., A. D. Carrera, M. A. Cantamutto, and M. M. Poverene. 2008. Gene Flow among Wild and Cultivated Sunflower, *Helianthus Annuus*, in Argentina. *Agricul. Ecosyst. Environ.* **123**:343–349. [2]
- USDA. 2014. Farmers Marketing: Direct Sales through Markets, Roadside Stands, and Other Means up 8 Percent since 2007. In: 2012 Census of Agriculture: Highlights, ACH 12-7. Washington, D.C.: GPO. [6]
- Vadi, V. S. 2011. When Cultures Collide: Foreign Direct Investment, Natural Resources and Indigenous Heritage in International Investment Law. *Columbia Human Rights Law. Rev.* **42**:797–889. [9]
- Valente, T. W. 2010. Social Networks and Health : Models, Methods, and Applications. New York: Oxford University Press. [11]
- Van Andel, T. R., and M. C. Fundiko. 2017. The Trade in African Medicinal Plants in Matonge-Ixelles, Brussels (Belgium). *Econ. Bot.* **70**:1–11. [8]
- Van Andel, T. R., R. S. Meyer, S. A. Aflitos, et al. 2016. Tracing Ancestor Rice of Suriname Maroons Back to Its African Origin. *Nat. Plants* **2**:16149. [8]
- Vanderbroek, I., and M. J. Balick. 2012. Globalization and Loss of Plant Knowledge: Challenging the Paradigm. *PLoS One* **7**:e37643. [8]
- Vandermeer, J., M. van Noordwijk, J. Anderson, C. Ong, and I. Perfecto. 1998. Global Change and Multi-Species Agroecosystems: Concepts and Issues. *Agricul. Ecosyst. Environ.* **67**:1–22. [1]
- van de Wouw, M., C. Kik, T. Van Hintum, R. Van Treuren, and B. Visser. 2009. Genetic Erosion in Crops: Concept, Research Results and Challenges. *Plant Genet. Resour.* **8**:1–15. [3, 9]
- van de Wouw, M., T. van Hintum, C. Kik, R. van Treuren, and B. Visser. 2010. Genetic Diversity Trends in Twentieth Century Crop Cultivars: A Meta Analysis. *Theor. Appl. Genet.* **120**:1241–1252. [9]
- van Dooren, T. 2008. Inventing Seed: The Nature(S) of Intellectual Property in Plants. *Environ. Plan. D* **26**:676–697. [13]
- Van Dusen, M. E., and J. E. Taylor. 2005. Missing Markets and Crop Diversity: Evidence from Mexico. *Environ. Dev. Econ.* **10**:513–531. [8, 15]
- van Etten, J. 2006. Molding Maize: The Shaping of a Crop Diversity Landscape in the Western Highlands of Guatemala. *J. His. Geogr.* **32**:689–711. [13]
- . 2011. Crowdsourcing Crop Improvement in Sub-Saharan Africa: A Proposal for a Scalable and Inclusive Approach to Food Security. *IDS Bull.* **42**:102–110. [2, 6]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- van Etten, J., M. R. Fuentes López, L. G. Molina Monterroso, and K. M. Ponciano Samayoa. 2008. Genetic Diversity of Maize (*Zea Mays* L. Ssp. *Mays*) in Communities of the Western Highlands of Guatemala: Geographical Patterns and Processes. *Genet. Resour. Crop Evol.* **55**:303–317. [3]
- van Etten, J., and R. J. Hijmans. 2010. A Geospatial Modeling Approach Integrating Archaeobotany and Genetics to Trace the Origin and Dispersal of Domesticated Plants. *PLoS One* **5**:e12060. [2, 3, 5]
- van Heerwaarden, J., J. Doebley, W. H. Briggs, et al. 2011. Genetic Signals of Origin, Spread, and Introgression in a Large Sample of Maize Landraces. *PNAS* **108**:1088–1092. [2, 3]
- van Heerwaarden, J., J. Hellin, R. F. Visser, and F. A. van Eeuwijk. 2009. Estimating Maize Genetic Erosion in Modernized Smallholder Agriculture. *Theor. Appl. Genet.* **119**:875–888. [4]
- van Heerwaarden, J., F. A. Van Eeuwijk, and J. Ross-Ibarra. 2010. Genetic Diversity in a Crop Metapopulation. *Heredity* **104**:28–39. [8]
- van Lenteren, J. 2000. A Greenhouse without Pesticides: Fact or Fantasy? *Crop Protect.* **19**:375–384. [7]
- van Oudenhoven, A. P. E., K. Petz, R. Alkemade, L. Hein, and R. S. de Groot. 2012. Framework for Systematic Indicator Selection to Assess Effects of Land Management on Ecosystem Services. *Ecol. Indic.* **21**:110–122. [9]
- van Vuuren, D. P., E. Kriegler, B. C. O'Neill, et al. 2014. A New Scenario Framework for Climate Change Research: Scenario Matrix Architecture. *Clim. Change* **122**:373–386. [6]
- van Zonneveld, M., X. Scheldeman, P. Escrivano, et al. 2012. Mapping Genetic Diversity of Cherimoya (*Annona Cherimola* Mill.): Application of Spatial Analysis for Conservation and Use of Plant Genetic Resources. *PLoS One* **7**:e29845. [5]
- van Zonneveld, M., E. Thomas, G. Galluzzi, and X. Scheldeman. 2011. Mapping the Ecogeographic Distribution of Biodiversity and GIS Tools for Plant Germplasm Collectors. In: Collecting Plant Genetic Diversity: Technical Guidelines. 2011 Update, ed. L. Guarino et al. Rome Bioversity Intl. [5]
- Vavilov, N. I. 1926a. Studies on the Origin of Cultivated Plants. Leningrad: Institute of Applied Botany and Plant Improvement. [14]
- . 1926b. Tzentry Proiskhozhdeniya Kulturnykh Rastenii (the Centers of Origin of Cultivated Plants). *Bull. Appl. Bot. Plant Breed.* **16**:1–248. [9]
- Vellema, W., S. Desiere, and M. D'Haese. 2016. Verifying Validity of the Household Dietary Diversity Score. *Food Nutr. Bull.* **37**:27–41. [10]
- Verger, E., M. C. Dop, and Y. Martin-Prével. 2016. Not All Dietary Diversity Scores Can Legitimately Be Interpreted as Proxies of Diet Quality. *Public Health Nutr.* **20**:2067–2068. [10]
- Vernooy, R., P. Shrestha, and B. Sthapit. 2015. Community Seed Banks: Origin, Evolution and Prospect. London: Bioversity International, Earthscan Publishers. [2]
- Vernooy, R., B. Sthapit, G. Otieno, P. Shrestha, and A. Gupta. 2017. The Roles of Community Seed Banks in Climate Change Adaption. *Dev. Pract.* **27**:316–327. [5]
- Verweij, M., M. Douglas, R. Ellis, et al. 2006. Clumsy Solution for a Complex World: The Case of Climate Change. *Public Adm.* **84**:817–843. [7]
- Veteto, J. R., and K. Skarbo. 2009. Sowing the Seeds: Anthropological Contributions to Agrobiodiversity Studies. *Cult. Agricul.* **31**:73–87. [14]
- Vigouroux, Y., A. Barnaud, N. Scarcelli, and A. C. Thuillet. 2011a. Biodiversity, Evolution and Adaptation of Cultivated Crops. *C. R. Biol.* **334**:450–457. [8]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Vigouroux, Y., J. C. Glaubitz, Y. Matsuoka, et al. 2008. Population Structure and Genetic Diversity of New World Maize Races Assessed by DNA Microsatellites. *Am. J. Bot.* **95**:1240–1253. [3, 5]
- Vigouroux, Y., C. Mariac, S. De Mita, et al. 2011b. Selection for Earlier Flowering Crop Associated with Climatic Variations in the Sahel. *PLoS One* **6**:e19563. [2, 3, 6]
- Villarreal, A. 2014. Ethnic Identification and Its Consequences for Measuring Inequality in Mexico. *Am. Sociol. Rev.* **79**:775–806. [12]
- Vincenti, B., P. Eyzaguirre, and T. Johns. 2008. The Nutritional Role of Forest Plant Foods for Rural Communities. In: Human Health and Forests: A Global Overview of Issues, Practice and Policy, ed. C. J. P. Colfer, pp. 63–93. London: Earthscan. [11]
- Violon, C., M. Thomas, and E. Garine. 2016. Good Year, Bad Year: Changing Strategies, Changing Networks? A Two-Year Study on Seed Acquisition in Northern Cameroon. *Ecol. Soc.* **21**:34. [2]
- Visser, B., H. Mbozi, P. Kasasa, et al. 2019. Options for Scaling up Community Support in Genetic Diversity Management. In: Farmer Participation in Plant Breeding Programs: The State of the Art, ed. O. Westengen and T. Winge. Abingdon, UK: Earthscan, in press. [14]
- von Hippel, E. 1994. “Sticky Information” and the Locus of Problem Solving: Implications for Innovation. *Manag. Sci.* **40**:429–439. [13]
- Wale, E., A. G. Drucker, and K. K. Zander. 2011. The Economics of Managing Crop Diversity On-Farm: Case Studies from the Genetic Resources Policy Initiative. London: Earthscan Publishing. [5]
- Walsh-Dilley, M. 2013. Negotiating Hybridity in Highland Bolivia: Indigenous Moral Economy and the Expanding Market for Quinoa. *J. Peasant Stud.* **40**:659–682. [8]
- Walzer, M. 1992. The Civil Society Argument. In: Dimensions of Radical Democracy: Pluralism, Citizenship and Community, ed. C. Mouffe, pp. 89–107. New York: Verso. [14]
- Warmuth, V., A. Eriksson, M. A. Bower, et al. 2012. Reconstructing the Origin and Spread of Horse Domestication in the Eurasian Steppe. *PNAS* **109**:8202–8206. [3]
- Watson, J. E. M., D. F. Shanahan, M. Di Marco, et al. 2016. Catastrophic Declines in Wilderness Areas Undermine Global Environment Targets. *Curr. Biol.* **26**:1–6. [5]
- Weisenburger, D. D. 1993. Human Health-Effects of Agrichemical Use. *Hum. Pathol.* **24**:571–576. [11]
- Weismantel, M. J. 1988. Food, Gender, and Poverty in the Ecuadorian Andes. Illinois: Waveland Press. [14]
- Wellhausen, E. J., L. M. Roberts, and E. Hernandez. 1952. Races of Maize in Mexico: Their Origin, Characteristics, and Distribution. Cambridge, MA: Harvard University Press. [3]
- Westengen, O. T., M. A. Okongo, L. Onek, et al. 2014. Ethnolinguistic Structuring of Sorghum Genetic Diversity in Africa and the Role of Local Seed Systems. *PNAS* **111**:14100–14105. [3]
- Westhoek, H., J. Ingram, S. van Berkum, and M. Hager. 2014. A Food System Approach for the Identification of Opportunities to Increase Resource Use Efficiency. In: Proceedings of the 9th International Conference on Life Cycle Assessment in the Agri-Food Sector, pp. 1505–1511. San Francisco: American Center for Life Cycle Assessment. [15]
- Whitaker, R. C., S. M. Phillips, and S. M. Orzol. 2006. Food Insecurity and the Risks of Depression and Anxiety in Mothers and Behavior Problems in Their Preschool-Aged Children. *Pediatrics* **118**:E859–E868. [11]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- WHO. 1946. Preamble to the Constitution of the World Health Organization as Adopted by the International Health Conference, New York, 19-22 June, 1946. In: Official Records of the World Health Organization, p. 100. New York: World Health Organization. [11]
- _____. 2003. Annex B: Example of a Research Agreement Concluded between Cine and an Indigenous Community in Canada. In: Indigenous Peoples & Participatory Health Research. Geneva WHO. [9]
- WHO/CBD. 2015. Connecting Global Priorities: Biodiversity and Human Health: A State of Knowledge Review. New York: World Health Organization and Convention on Biological Diversity. [9]
- Wiesmann, D., L. Bassett, T. Benson, and J. Hoddinott. 2009. Validation of the World Food Programme's Food Consumption Score and Alternative Indicators of Household Food Security. Washington, D.C.: Intl. Food Policy Research Institute. [10]
- Wilkinson, R. G. 2000. Mind the Gap: Hierarchies, Health, and Human Evolution. London: Weidenfeld & Nicolson. [11]
- Will, M. 2008. Promoting Value Chains of Neglected and Underutilized Species for Pro-Poor Growth and Biodiversity Conservation: Guidelines and Good Practices. Rome: Global Facilitation Unit for Underutilized Species. [15]
- Williams, D. E. 1993. *Lycianthes Moziniana* (Solanaceae): An Underutilized Mexican Food Plant with New Crop Potential. *Econ. Bot.* **47**:387–400. [2]
- Williams, D. E., and E. Hernández-Xolocotzi. 1996. El Auspicio de Arvenses en Tlaxcala: Un Estudio del Proceso de Domesticación en Marcha. *Agrociencia* **30**:215–221. [2]
- Williams, L. L. T., J. Germov, S. Fuller, and M. Freij. 2015. A Taste of Ethical Food Consumption at a Slow Food Festival. *Appetite* **91**:321–328. [14]
- Winfree, R., N. M. Williams, H. R. Gaines, J. S. Ascher, and C. Kremen. 2008. Wild Bee Pollinators Provide the Majority of Crop Visitation across Land-Use Gradients in New Jersey and Pennsylvania, USA. *J. Appl. Ecol.* **45**:793–802. [4]
- Winge, T. 2016. Linking Access and Benefit-Sharing for Crop Genetic Resources to Climate Change Adaptation. *Plant Genet. Resour.* **14**:11–27. [13]
- Winkel, T., H. D. Bertero, P. Bommel, et al. 2012. The Sustainability of Quinoa Production in Southern Bolivia: From Misrepresentations to Questionable Solutions. Comments on Jacobsen. *J. Agron. Crop Sci.* **198**:314–319. [8]
- Winkel, T., P. Bommel, M. Chevarría-Lazo, et al. 2016. Panarchy of an Indigenous Agroecosystem in the Globalized Market: The Quinoa Production in the Bolivian Altiplano. *Glob. Environ. Change* **39**:195–204. [8]
- Wise, R. M., I. Fazey, M. S. Smith, et al. 2014. Reconceptualising Adaptation to Climate Change as Part of Pathways of Change and Response. *Glob. Environ. Change* **28**:325–336. [7]
- Wittenmyer, L., and W. Merbach. 2005. Plant Responses to Drought and Phosphorus Deficiency: Contribution of Phytohormones in Root-Related Processes. *J. Plant Nutr. Soil Sci.* **168**:531–540. [4]
- Wolff, F. 2004. Legal Factors Driving Agrobiodiversity Loss. *Environ. Law Network Int.* **1**:1–11. [11]
- Wood, S. A., D. S. Karp, F. DeClerck, et al. 2015a. Functional Traits in Agriculture: Agrobiodiversity and Ecosystem Services. *Trends Ecol. Evol.* **30**:531–539. [4]
- Wood, T. J., J. M. Holland, and D. Goulson. 2015b. Pollinator-Friendly Management Does Not Increase the Diversity of Farmland Bees and Wasps. *Biol. Conserv.* **187**:120–126. [4]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- Woodley, E., and L. Maffi. 2012. Biocultural Diversity Conservation: A Global Sourcebook. London: Routledge. [12]
- World Bank. 1991. Operational Directive on Indigenous Peoples. In: Operational Manual OD 4.20. World Bank. [12]
- . 2005. Operational Policy on Indigenous Peoples. In: Operational Manual Op 4.10. World Bank. [12]
- World Bank Group. 2014. Learning from World Bank History: Agriculture and Food-Based for Addressing Malnutrition, Agriculture and Environmental Services Discussion Paper No. 10. Washington, D.C.: World Bank. [9]
- World Food Programme. 2008. Food Consumption Analysis Technical Guidance Sheet: Calculation and Use of the Food Consumption Score in Food Security Analysis. Rome: World Food Programme, Vulnerability Analysis and Mapping Branch. [10]
- Wright, P. J., R. E. Falloon, and D. Hedderley. 2015. Different Vegetable Crop Rotations Affect Soil Microbial Communities and Soilborne Diseases of Potato and Onion: Literature Review and a Long-Term Field Evaluation. *New Zeal. J. Crop Hort.* **43**:85–110. [4]
- Wright, S. I., I. V. Bi, S. G. Schroeder, et al. 2005. The Effects of Artificial Selection on the Maize Genome. *Science* **308**:1310–1314. [3]
- Yang, Q., J. Carrillo, H. Jin, et al. 2013. Plant–Soil Biota Interactions of an Invasive Species in Its Native and Introduced Ranges: Implications for Invasion Success. *Soil Biol. Biochem.* **65**:78–85. [2]
- Zeven, A. C. 1999. The Traditional Inexplicable Replacement of Seed and Seed Ware of Landraces and Cultivars: A Review. *Euphytica* **110**:181–191. [13]
- Zimmerer, K. S. 1991a. Labor Shortages and Crop Diversity in the Southern Peruvian Sierra. *Geogr. Rev.* **81**:414–432. [8]
- . 1991b. Wetland Production and Smallholder Persistence: Agricultural Change in a Highland Peruvian Region. *Ann. Assoc. Am. Geogr.* **81**:443–463. [2]
- . 1997. Changing Fortunes: Biodiversity and Peasant Livelihood in the Peruvian Andes. Berkeley: Univ. of California Press. [8, 12, 14, 15]
- . 1998. The Ecogeography of Andean Potatoes. *Bioscience* **48**:445–454. [8]
- . 2001. Report on Geography and the New Ethnobiology. *Geogr. Rev.* **91**:725–734. [13]
- . 2003a. Geographies of Seed Networks for Food Plants (Potato, Ulluco) and Approaches to Agrobiodiversity Conservation in the Andean Countries. *Soc. Nat. Resour.* **16**:583–601. [8, 13, 14]
- . 2003b. Just Small Potatoes (and Ulluco)? The Use of Seed-Size Variation in Native Commercialized Agriculture and Agrobiodiversity Conservation among Peruvian Farmers. *Agricult. Human Values* **20**:107–123. [11]
- . 2010. Biological Diversity in Agriculture and Global Change. *Annu. Rev. Environ. Resour.* **35**:137–166. [6, 8, 11, 13, 14]
- . 2012. The Indigenous Andean Concept of Kawsay, the Politics of Knowledge and Development, and the Borderlands of Environmental Sustainability in Latin America. *PMLA* **127**:600–606. [12]
- . 2013. The Compatibility of Agricultural Intensification in a Global Hotspot of Smallholder Agrobiodiversity (Bolivia). *PNAS* **110**:2769–2774. [2, 5, 8, 14]
- . 2014. Conserving Agrobiodiversity Amid Global Change, Migration, and Nontraditional Livelihood Networks: The Dynamic Uses of Cultural Landscape Knowledge. *Ecol. Soc.* **19**:1–15. [4, 6, 8, 9, 13, 15]
- . 2015a. Time for Change: The Legacy of a Euro-Andean Model of Landscape versus the Need for Landscape Connectivity. *Landscape Urban Plan.* **139**:104–116. [13]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

Karl S. Zimmerer and Stef de Haan, eds. 2019. Strüngmann Forum Reports, vol. 24, series ed. Julia R. Lupp. Cambridge, MA: MIT Press. ISBN 9780262038683.

- _____. 2015b. Understanding Agrobiodiversity and the Rise of Resilience: Analytic Category, Boundary Concept, or Meta-Level Transition? *Resilience* **3**:183–198. [1]
- _____. 2017a. A Search for Food Sovereignty: Seeding Post-Conflict Landscapes. *Revista: Harvard Rev. Lat. Am.* **26**:32–34. [8, 13]
- _____. 2017b. “Territorial Ordering” (*Ordenamiento Territorial*): A “New” Mode of Land Use Planning and a Multi-Scale Idea for Urban-Rural Integration and Their Implications for Next-Generation Conservation. In: *The Urban and the Territorial: Housing in Mérida*, ed. D. E. Davis et al., pp. 65–74. Cambridge, MA: Harvard Graduate School of Design. [8]
- Zimmerer, K. S., J. A. Carney, and S. J. Vanek. 2015. Sustainable Smallholder Intensification in Global Change? Pivotal Spatial Interactions, Gendered Livelihoods, and Agrobiodiversity. *Curr. Opin. Environ. Sustain.* **14**:49–60. [4, 6, 8, 11, 13–15]
- Zimmerer, K. S., H. Córdova-Aguilar, R. Mata Olmo, Y. Jiménez Olivencia, and S. J. Vanek. 2017. Mountain Ecology, Remoteness, and the Rise of Agrobiodiversity: Tracing the Geographic Spaces of Human–Environment Knowledge. *Ann. Amer. Assoc. Geogr.* **107**:441–455. [8]
- Zimmerer, K. S., and S. de Haan. 2017. Agrobiodiversity and a Sustainable Food Future. *Nat. Plants* **3**:17047. [1, 8, 14]
- Zimmerer, K. S., and D. S. Douches. 1991. Geographical Approaches to Crop Conservation: The Partitioning of Genetic Diversity in Andean Potatoes. *Econ. Bot.* **45**:176–189. [2, 3]
- Zimmerer, K. S., E. F. Lambin, and S. J. Vanek. 2018. Smallholder Telecoupling and Potential Sustainability. *Ecol. Soc.* **23**:30. [6, 8]
- Zimmerer, K. S., and H. L. Rojas Vaca. 2016. Fine-Grain Spatial Patterning and Dynamics of Land Use and Agrobiodiversity Amid Global Changes in the Bolivian Andes. *Reg. Environ. Change* **16**:2199–2214. [5]
- Zimmerer, K. S., and S. J. Vanek. 2016. Toward the Integrated Framework Analysis of Linkages among Agrobiodiversity, Livelihood Diversification, Ecological Systems, and Sustainability Amid Global Change. *Land* **5**:10. [2, 4, 8, 15]

From “Agrobiodiversity: Integrating Knowledge for a Sustainable Future,”

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