

引用文献

- Allen, P. A. 2004. *Together at the Table: Sustainability and Sustenance in the American Agrifood System*. The Pennsylvania State University Press: University Park, PA.
- Allison, J. 1983. An ecological analysis of home gardens (*huertos familiares*) in two Mexican villages. M.A. Thesis, Univ. of Calif., Santa Cruz.
- Altieri, M. A. 1983. *Agroecology*. University of California Press: Berkeley.
- Altieri, M. A. 1994a. *Biodiversity and Pest Management in Agroecosystems*. Food Products Press: New York.
- Altieri, M. A. 1995a. Cover cropping and mulching. In M. A. Altieri, *Agroecology: The Science of Sustainable Agriculture*. 2nd ed., pp. 219–232. Westview Press: Boulder, CO.
- Altieri, M. A. 1995b. *Agroecology: The Science of Sustainable Agriculture*. 2nd ed. Westview Press: Boulder, CO.
- Altieri, M. A. 2002. Agroecology: the science of natural resource management for poor farmers in marginal environments. *Agriculture, Ecosystems, and Environment* 93: 1–24.
- Altieri, M. A. 2004. Linking ecologists and traditional farmers in the search for sustainable agriculture. *Frontiers in Ecology and Environment* 2(1): 35–42.
- Altieri, M. A. and L. C. Merrick. 1987. *In situ* conservation of crop genetic resources through maintenance of traditional farming systems. *Economic Botany* 41: 86–96.
- Altieri, M. A. and C. I. Nicholls. 2004a. An agroecological basis for designing diversified cropping systems in the tropics. In D. Clements and A. Shrestha (eds.) *New Dimensions in Agroecology*. Food Products Press/The Haworth Press: New York.
- Altieri, M. A. and C. I. Nicholls. 2004b. *Biodiversity and Pest Management in Agroecosystems*. Second Edition. Howarth Press: Binghamton, NY.
- Altieri, M. A., and V. M. Toledo. 2011. The agroecological revolution in Latin America: rescuing nature, ensuring food sovereignty and empowering peasants. *Journal of Peasant Studies* 38: 587–612.
- Amador, M. F. 1980. *Comportamiento de tres especies (Maiz, Frijol, Calabaza) en policultivos en la Chontalpa, Tabasco, Mexico*. Tesis Profesional, CSAT, Cardenas,

Tabasco, Mexico.

- Amador, M. F. and S. R. Gliessman. 1990. An ecological approach to reducing external inputs through the use of intercropping. In S. R. Gliessman (ed.), *Agroecology: Researching the Ecological Basis for Sustainable Agriculture*. pp. 146–159. Springer-Verlag: New York.
- American Farmland Trust. 2007. Paving Paradise: A New Perspective on California Farmland Conversion.
- Anaya, A. L., L. Ramos, R. Cruz, J. G. Hernandez, and V. Nava. 1987. Perspectives on allelopathy in Mexican traditional agroecosystems: A case study in Tlaxcala. *Journal of Chemical Ecology* 13: 2083–2102.
- Andersen, M. K., H. Hauggaard-Nielsen, P. Ambus and E.S. Jensen. 2004. Biomass production, symbiotic nitrogen fixation and inorganic N use in dual and tri component annual intercrops. *Plant and Soil* 266(1–2): 273–287.
- Andow, D. A. 1991. Vegetational diversity and arthropod population responses. *Annual Review of Entomology* 36: 561–586.
- Anseeuw, W., Wiley, L. A., Cotula, L., and Taylor, M. 2012. *Land Rights and the Rush for Land: Findings of the Global Commercial Pressures on Land Research Project*. International Land Coalition: Rome, Italy.
- Aoki, M., A. Gilbert, A. Hull, M. Karlberg, and M. MacDonald. 1989. Multi-variable ecological analysis in a broccoli–lettuce intercrop. Unpublished data compiled for Environmental Studies 130. University of California, Santa Cruz.
- Arnold, A. E., L. C. Mejia, D. Kyllo, E. I. Rojas, Z. Maynard, N. Robbins, and E. A. Herre. 2010. Fungal endophytes limit pathogen damage in a tropical tree. *Proceedings of the National Academy of Sciences* 100: 15649–15654.
- Arshad, M., and S. L. Ranumukhaaranchichi. 2012. Effects of legume type, planting pattern, and time of establishment on growth and yield of sweet sorghum/legume intercropping. *Australian Journal of Crop Science* 6: 1265–1274.
- Astier, M., O. R. Masera, and Y. Galván-Miyoshi (eds.). 2008. *Evaluación de Sustentabilidad: un Enfoque Dinámico y Multidimensional*. Mundiprensa: D.F., Mexico.
- Astudillo, O. 2014. Country in Focus: Mexico's Obesity Problem. *The Lancet, Diabetes and Endocrinology* 2: 15–16. doi:10.1016/S2213-8587(13)70160-8

- Azzi, G. 1956. *Agricultural Ecology*. Constable Press: London.
- Bacon, C. 2005. Confronting the coffee crisis: Can fair trade, organic and specialty coffees reduce small-scale farmer vulnerability in northern Nicaragua. *World Development* 33(3): 497–511.
- Bacon, C., V. E. Méndez, and M. Brown. 2005. Participatory action-research and support for community development and conservation: Examples from shade coffee landscapes in Nicaragua and El Salvador. Center for Agroecology and Sustainable Food Systems Research Brief 6, University of California, Santa Cruz.
- Badgley, C. and I. Perfecto. 2007. Can organic agriculture feed the world. *Renewable Agriculture and Food Systems* 22(2): 80–86.
- Badgley, C., J. Moghtader, E. Quintero, E. Zakem, M. J. Chappell, K. Aviles-Vazquez, A. Samulon, and I. Perfecto. 2007. Organic agriculture and the global food supply. *Renewable Agriculture and Food Systems* 22(2): 86–108.
- Bailey, R. 2011. Growing a Better Future: Food justice in a resource-constrained world. Oxfam International.
- Bais, H. P., R. Vepachedu, S. Gilroy, R. M. Callaway, and J. M. Vivanco. 2003. Allelopathy and exotic plant invasion: From molecules and genes to species interactions. *Science* 301: 1377–1380.
- Baldwin, C. S. 1988. The influence of field windbreaks on vegetable and specialty crops. *Agriculture, Ecosystems and Environment* 22/23: 191–203.
- Baldwin, C. S. and Johnston. 1984. *Windbreaks on the Farm*. Report #527. Publications of the Ontario Ministry of Agriculture and Food Provision: Ontario, Canada.
- Barnes, J. P., A. R. Putnam, and B. A. Burke. 1986. Allelopathic activity of rye (*Secale cereale* L.). In A. R. Putnam and C. S. Tang (eds.), *The Science of Allelopathy*. pp. 271–286. John Wiley and Sons: New York.
- Batish, D. R., H. P. Singh, R. K. Kohli, and S. Kaur. 2001. Crop allelopathy and its role in ecological agriculture. In Kohli, R. K., H. P. Singh, and D. R. Batish. 2001. *Allelopathy in Agroecosystems*, pp. 121–161. Food Products Press (imprint of The Howarth Press): New York.
- Baum, A.W., T. Patzek, M. Bender, S. Renich, and W. Jackson. 2009. The visible, sustainable farm: A comprehensive energy analysis of a midwestern farm. *Critical Reviews in Plant Sciences* 28: 218–239.

- Bazzaz, F. A. 1996. *Plants in Changing Environments: Linking Physiological, Population, and Community Ecology*. Cambridge University Press: Cambridge, UK.
- Bellow, J. G. and P. K. R. Nair. 2003. Comparing common methods for assessing understory light availability in shaded–perennial agroforestry systems. *Agricultural and Forest Meteorology* 114(3–4): 197–211.
- Benbrook, C. M. 2012. Impacts of genetically engineered crops on pesticide use in the U.S.—the first sixteen years. *Environmental Sciences Europe* 24: 24.
- Bender, Martin. 2002. Energy in Agriculture: Lessons from the Sunshine Farm Project.
The Land Institute
www.landinstitute.org/vnews/display.v/ART/2002/09/24/3dbeba6338ac3
in_archive=1 (accessed 29 March 2006)
- Bennett, G. and K. J. Mulongoy. 2006. Review of Experience with Ecological Networks, Corridors and Buffer Zones. Secretariat of the Convention on Biological Diversity, Montreal. Technical Series No. 23.
- Bensin, B. M. 1930. Possibilities for international cooperation in agroecology investigation. *International Review of Agriculture. Monthly Bulletin of Agricultural Science and Practice* 21: 277–284.
- Berkes F., J. Colding, and C. Folke. 2000. Rediscovery of traditional ecological knowledge as adaptive management. *Ecological Applications* 10(5): 1251–1262.
- Berry, W. 1990. The pleasures of eating. In: Berry, W. *What Are People For*. Counterpoint: Berkeley, CA.
- Berry, W. 2009. *Bringing It to the Table: On Farming and Food*. Counterpoint: Berkeley, CA.
- Bethlenfalvay, G. J., M. G. Reyes-Solis, S. B. Camel, and R. Ferrera-Cerrato. 1991. Nutrient transfer between the root zones of soybean and maize plants connected by a common mycorrhizal inoculum. *Physiologia Plantarum* 82: 423–432.
- Bilbro, J. D. and D. W. Fryrear. 1988. Annual herbaceous windbarriers for protecting crops and soils and managing snowfall. *Agriculture, Ecosystems and Environment* 22/23: 149–161.
- Billings, W. D. 1952. The environmental complex in relation to plant growth and distribution. *Quarterly Review of Biology* 27: 251–265.
- Blank, S. C., K. Jetter, C. M. Wick, and J. F. Williams. 1993. Incorporating rice straw

into soil may become disposal option for farmers. *California Agriculture* 47: 8–12.

Bohlen, P. J. and H. M. Swain. 2009. Conceptual Model for Integrating Ecological and Economic Sustainability in Agroecosystems: An Example from Subtropical Grazing Lands. In: Gohlen, P.J., and G. House (eds.). *Sustainable Agroecosystem Management: Integrating Ecology, Economics, and Society*. Advances in Agroecology Series, CRC Press/Taylor and Francis Group: Boca Raton, FL.

Bohlen, P. J. and G. House (eds.). 2009. *Sustainable Agroecosystem Management: Integrating Ecology, Economics, and Society*. Advances in Agroecology Series. CRC Press/Taylor and Francis Group: Boca Raton, FL.

Booth, B. D., S. D. Murphy, and C. J. Swanton. 2010. *Invasive Plant Ecology in Natural and Agricultural Systems*. CABI: Oxfordshire, UK.

Borras Jr., S. M., M. Edelman, and C. Kay. 2008. *Transnational Agrarian Movements: Confronting Globalization*. Wiley-Blackwell: Oxford, UK.

Boucher, D. H. 1985. The idea of mutualism, past and future. In D. H. Boucher (ed.), *The Biology of Mutualism*. pp. 1–28. Oxford University Press: New York.

Boucher, D. and J. Espinosa. 1982. Cropping systems and growth and nodulation responses of beans to nitrogen in Tabasco, Mexico. *Tropical Agriculture* 59: 279–282.

Brady, N. C., and R. R. Weil. 1996. *The Nature and Properties of Soils*. 11th ed. Prentice Hall: Upper Saddle River, New Jersey.

Brandle, J. R. and D. L. Hintz. 1988. Special issue: Windbreak Technology. *Agriculture, Ecosystems and Environment* 22/23: 1–598.

Brandle, J. R., L. Hodges, and X. H. Zhou. 2004. Windbreaks in North American agricultural systems. *Agroforestry Systems* 61(1): 65–78.

Briske, D. D. 1996. Strategies of plant survival in grazed systems: a functional interpretation. In J. Hodgson and A. W. Illius (eds.), *The Ecology and Management of Grazing Systems*. pp. 37–67. CAB International: Wallingford, UK.

Brito, L. and M. S. Smith. 2012. State of the Planet Declaration. Summary of the proceedings of the Planet Under Pressure Conference, 26–29 March, London.

Brookfield, H. 2001. *Exploring Agrobiodiversity*. Columbia University Press: New York.

Brooks, A. M. 2008. Allelopathy in rye (*Secale cereale*). PhD thesis in Crop Science, North Carolina State University. Unpublished. 134 pages. Available at <http://repository.lib.ncsu.edu/ir/bitstream/1840.16/595/1/etd.pdf>

- Brush, S. B. 1995. *In-situ* conservation of landraces in centers of crop diversity. *Crop Science* 35(2): 346–354.
- Brush, S. B. 2004. *Farmer's Bounty: Locating Diversity in the Contemporary World*. Yale University Press: New Haven, CT.
- Bruun, H. H. 2000. Patterns of species richness in dry grassland patches in an agricultural landscape. *Ecography* 23(6): 641–650.
- Buck, L. E., J. P Lassoie, and E. C. M. Fernandes (eds). 1999. *Agroforestry in Sustainable Agricultural Systems*. Advances in Agroecology Series. CRC Lewis Publishers: Boca Raton, FL.
- Buzby, J. C., H. F. Wells, and J. Hyman. 2014. The Estimated Amount, Value, and Calories of Postharvest Food Losses at the Retail and Consumer Levels in the United States. Economic Information Bulletin No. (EIB-121) 39 pp, February 2014.
- California Department of Food and Agriculture. 2004. County organic crop value and acreage reports. www.cdfa.ca.gov/is/fveqc/organic.htm
- Candiani, V. 2014. *Dreaming of Dry Land: Environmental Transformation in Colonial Mexico City*. Stanford University Press: Redwood City, CA.
- Cardoso, E., M. A. Nogueira, and S. M. G. Ferraz. 2007. Biological N² fixation and mineral N in common bean-maize intercropping or sole cropping in Southeastern Brazil. *Experimental Agriculture* 43: 319–330.
- Carlquist, S. 1965. *Island Life*. The Natural History Press: Garden City, New York.
- Cassidy, E. S., P. S. West, J. S. Gerber, and J. A. Foley. 2013. Redefining agricultural yields: from tonnes to people nourished per hectare. *Environmental Research Letters* 8: 1–8.
- Cassman, K. G. 1994. Breaking the Yield Barrier: Proceedings of a Workshop on Rice Yield Potential in Favorable Environments. International Rice Research Institute, Los Baños, Philippines.
- Cassman, K. G., A. Dobermann, D. T. Walters, and H. Yang. 2003. Meeting cereal demand while protecting natural resources and improving environmental quality. *Annual Review of Environment and Resources* 28: 315–358.
- Castillo-Caamal, J. B., J. A. Caamal-Maldonado, J. J. Jiménez-Osornio, F. Bautista-Zúñiga, M. J. Amaya-Castro y R. Rodríguez-Carrillo. 2010. Evaluación de tres leguminosas como coberturas asociadas con maíz en el trópico subhúmedo.

Agronomía Mesoamericana 21(1): 39–50.

- Centers for Disease Control (CDC). 2013. Fourth National Report on Human Exposure to Environmental Chemicals. Updated Tables. Centers for Disease Control and Prevention. US Department of Health and Human Services. Washington, DC.
- 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. *Agricultural Systems* 110: 119–130.
- CGIAR Program on Climate, Agriculture, and Food Security. 2013. Big Facts. <http://ccafs.cgiar.org/bigfacts> (accessed 12/12/2012 to 12/12/2013).
- Chacón, J. C. and S. R. Gliessman. 1982. Use of the “non-weed” concept in traditional tropical agroecosystems of south-eastern Mexico. *Agro-Ecosystems* 8: 1–11.
- Chapin, F. S . III, P. M . Vitousek, and K .Van Cleve. 1986. The nature of nutrient limitation in plant communities. *American Naturalist*. 127:48–58.
- Cheeke, T. E., D. C. Coleman, D. H. Wall (eds.). 2012. *Microbial Ecology in Sustainable Agroecosystems*. Advances in Agroecology Series. CRC Press/Taylor and Francis Group: Boca Raton, FL.
- Cheema, Z. A., M. Farooq, and A. Wahid (eds.). 2013. *Allelopathy: Current Trends and Future Applications*. Springer: Berlin.
- Chen, Y., M. De Nobili, and T. Aviad. 2004. Stimulatory effects of humic substances on plant growth. In Magdoff, F. and R.R. Weil. *Soil Organic Matter in Sustainable Agriculture*. Advances in Agroecology Series. CRC Press: Boca Raton, Florida. pp: 103–129.
- Chen, Y., J. R. Ruberson, and D. M. Olsen. 2008. Nitrogen fertilization rate affects feeding, larval performance, and oviposition preference of the beet armyworm, *Spodoptera exigua*, on cotton. *Entomologia Experimentalis et Applicata* 126: 244–255.
- Chou, C. H. 1990. The role of allelopathy in agroecosystems: studies from tropical Taiwan. In S. R. Gliessman (ed.), *Agroecology: Researching the Ecological Basis for Sustainable Agriculture*. pp. 104–121. Springer Verlag: New York.
- Clabby, C. 2010. Does peak phosphorus loom. Scientists make the case that easily accessible supplies of an essential element are being depleted. *American Scientist* 98(4): 291.

- Clark, E. A. 2004. Benefits of re-integrating livestock and forages in crop production systems. In D. Clements and A. Shrestha (eds.), *New Dimensions in Agroecology*. pp. 405–436. Food Products Press: Binghamton, NY.
- Clements, D. and A. Shrestha (eds.) 2004. *New Dimensions in Agroecology*. Food Products Press: New York.
- Coleman, D. C., M. D. Hunter, P. F. Hendrix, D. A. Crossley Jr., S. Arce-Flores, B. Simmons, and K. Wickings. 2009. Long-Term Consequences of Biological and Biogeochemical Changes in the Horseshoe Bend Long-Term Agroecosystem Project. Pp.195–209 in Bohlen, P. J., and G. House (eds.). *Sustainable Agroecosystem Management: Integrating Ecology, Economics, and Society*. CRC Press/TaylorandFrancis Group: Boca Raton, FL.
- Collinge, S. K. 2009. *Ecology of Fragmented Landscapes*. Johns Hopkins University Press: Baltimore, MD.
- Colvin, W. I. and S. R. Gliessman. 2000. Fennel (*Foeniculum vulgare*) management and native species enhancement on Santa Cruz Island, California. pp. 184–189 in *Proceedings of the Fifth California Islands Symposium*, March 29–April 1, 1999. U.S. Department of the Interior, Minerals Management Service, Pacific OCS Region, OCS Study, MMS 99-0038.
- Colvin, W. I. and S. R. Gliessman. 2011. Effects of fennel (*Foeniculum vulgare* L.) interference on germination of introduced and native plant species. *Allelopathy Journal* 28(1): 41–52.
- Colwell, R., and D. Futuyma. 1971. On the measurement of niche breadth and overlap. *Ecology* 52: 567–576.
- Conway, G. 2012. *One Billion Hungry: Can We Feed the World*. Comstock Publishing Associates: Ithaca, NY.
- Connell, J. H. 1978. Diversity in tropical rain forests and coral reefs. *Science* 199: 1302–1310.
- Connell, J. H. and R. O. Slatyer. 1977. Mechanisms of succession in natural communities and their role in community stability and organization. *American Naturalist* 111: 1119–1144.
- Conway, M. and L. Liston (ed.). 1990. *The Weather Handbook*. Conway Data: Atlanta.
- Coombes D. S. and N. W. Sotherton. 1986. The dispersal and distribution of polyphagous predatory Coleoptera in cereals. *Annals of Applied Biology* 108: 461–474.

- Corbett A. and R. E. Plant. 1993. Role of movement in the response of natural enemies to agroecosystem diversification: a theoretical evaluation. *Environmental Entomology* 22: 519–531.
- Cox, C. M., K. A. Garrett, and W. W. Bockus. 2004. Meeting the Challenge of Disease Management in Perennial Grain Cropping Systems. *Renewable Agriculture and Food Systems* 20: 15–24.
- Cox, T. S., D. L. Van Tassel, C. M. Cox, and L. R. DeHaan. 2010. Progress in breeding perennial grains. *Crop and Pasture Science* 61: 1–9.
- Cox, G. W. and M. D. Atkins. 1979. *Agricultural Ecology*. Freeman: San Francisco.
- Crews, T. E. and S. R. Gliessman. 1991. Raised field agriculture in Tlaxcala, Mexico: An ecosystem perspective on maintenance of soil fertility. *American Journal of Alternative Agriculture* 6: 9–16.
- Crews, T. E. 2013. Ecology study, polycultures are taking root. 2013 Annual Report. The Land Institute, Salina, KS. Pp. 4–6.
- Cromack, K., R. E. Miller, O. T. Helgerson, R. B. Smith, and H. W. Anderson. 1999. Soil carbon and nutrients in a coastal Oregon Douglas-fir plantation with red alder. *Soil Science Society of America Journal* 63(1): 232–239.
- Cuellar-Padilla, M. and A. Calle-Callado. 2011. Can we find solutions with people. Participatory action research with small organic producers in Andalusia. *Journal of Rural Studies* 27: 372–383.
- Culman, S. W., S. T. DuPont, J. D. Glover, D. H. Buckley, G. W. Fick, H. Ferris, and T. E. Crews. 2010. Long-term impacts of high-input annual cropping and unfertilized perennial grass production on soil properties and belowground food webs in Kansas, USA. *Agriculture, Ecosystems, and Environment*. 137: 13–24.
- Culman, S. W., S. S. Snapp, M. Ollendorfer, B. Basso, and L. R. DeHaan. 2013. Soil and water quality rapidly responds to the perennial grain kernza wheatgrass. *Agronomy Journal*. 105: 735–744.
- Cunningham, A.B. 2001. *Applied Ethnobotany: People, Wild Plant Use and Conservation*. Earthscan: London.
- Daily, G.C. 1995. Restoring value to the world's degraded lands. *Science* 269: 350–54.
- Dalgaard, T. 2013. Energy balance comparisons of organic and conventional farming systems and potentials for the mitigation of fossil resource use. *Nordic Association*

of Agricultural Scientists AJF Report 9: 19–22.

- Dalgaard, R., N. Halberg, and J. R. Porter. 2001. A model for fossil energy use in Danish agriculture used to compare organic and conventional farming. *Agriculture, Ecosystems, and Environment* 87: 51–65.
- Dalgaard, T., T. Heidmann, and L. Mogensen. 2002. Potential N-losses in three scenarios for organic farming in a local area of Denmark. *European Journal of Agronomy* 16: 207–217.
- Daubenmire, R. F. 1974. *Plants and Environment*. Third Edition. John Wiley and Sons: New York.
- Davis, J. H. C., J. N. Woolley, and R. A. Moreno. 1986. Multiple cropping with legumes and starchy roots. In C. A. Francis (ed.), *Multiple Cropping Systems*. pp. 133–160. MacMillan: New York.
- Debano, F., D. G. Neary, and P. S. Folliott. 1998. *Fire: its Effect on Soil and other Ecosystem Resources*. John Wiley and Sons, Inc.: New York, NY.
- Del Angel-Perez, A. L. and M. A. Mendoza. 2004. Totonac homegardens and natural resources in Veracruz, Mexico. *Agriculture and Human Values* 21(4): 329–346.
- Dell, J. D. and F. R. Ward. 1971. Logging residues on Douglas-fir region clearcuts: weights and volumes. Report 115: 1-10. Pacific Northwest Forest and Range Experiment Station, USDA Forest Service.
- Denevan, W. M., and C. Padoch. 1987. *Swidden-fallow agroforestry in the Peruvian Amazon*. New York Botanical Gardens: Bronx, New York.
- Denys, C. and T. Tscharntke. 2002. Plant-insect communities and predator-prey ratios in field margin strips, adjacent crop fields, and fallows. *Oecologia* 130(2): 315–324.
- De Schutter. O. 2011. Agroecology and the Right to Food. Report presented at the 16th Session of the United Nations Human Rights Council 【A/HRC/16/49】 8 March 2011.
- Devictor, V., J. Clavel, R. Julliard, S. Lavergne, D. Mouillot, W. Thuiller, P. Venail, S. Villéger, and N. Mouquet. 2010. Defining and measuring ecological specialization. *Journal of Applied Ecology* 47: 15–25.
- Dewey, K. G. 1979. Agricultural development: impact on diet and nutrition. *Ecology of Food and Nutrition* 8: 247–253.
- Dharmasena, K.H. and M. Wijeratne. 1996. Analysis of nutritional contribution of homegardening. *Tropenlandwirt* 97(2): 149–158.

- Domhoff, G. W. 2013. *Who Rules America? The Triumph of the Corporate Rich*. 7th Edition. McGraw Hill, USA.
- Douglass, G. (ed.). 1984. *Agricultural Sustainability in a Changing World Order*. Westview Press: Boulder, CO.
- Duke, S. O. 2010. Allelopathy: Current status of research and future of the discipline: a commentary. *Allelopathy Journal* 25: 17–30.
- Eigenbrode, S. D. 2011. Host Plant Resistance and Conservation of Genetic Diversity. In: E. B. Radcliffe, W. D. Hutchison, and R. E. Cancelado (eds.) *Radcliffe's IPM World Textbook*. URL: <http://ipmworld.umn.edu>, University of Minnesota, St. Paul, MN (visited 5 Feb. 14).
- Eksvärd, K., L. Salomonsson, C. Francis, N. Sriskandarajah, K. Svanäng, G. Lieblein, J. Björklund, and U. Geber. 2009. Participatory approaches and stakeholder involvement in sustainable agriculture research. Chapter 16 in: Bohlen, P. J., and G. House. (eds). *Sustainable Agroecosystem Management: Integrating Ecology, Economics, and Society*. Advances in Agroecology Series, CRC Press/Taylor and Francis Group: Boca Raton, FL.
- Ellingson, L. J., J. B. Kauffman, D. L. Cummings, R. L. Sanford and V. J. Jaramillo. 2000. Soil N dynamics associated with deforestation, biomass burning, and pasture conversion in a Mexican tropical dry forest. *Forest Ecology and Management* 137(1–3): 41–51
- Ellis, E. C. and S. M. Wang. 1997. Sustainable traditional agriculture in the Tai Lake region of China. *Agriculture, Ecosystems, and Environment* 61: 177–193.
- Ellis, E. C. 2004. Long-term ecological changes in the densely populated rural landscapes of China. In R. S. DeFries, G. P. Asner, and R. A. Houghton (eds.), *Ecosystems and Land Use Change*. Geophysical Monograph Series Vol. 153. pp. 303–320. American Geophysical Union, Washington, DC.
- Ellis, E. C. 2011. Anthropogenic transformation of the terrestrial biosphere. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Science* 369(1938): 1010–1035.
- Ellsworth, S. and G. Feenstra. 2010. Assessing the San Diego County Food System: Indicators for a More Food Secure Future. UC Sustainable Agriculture Research and Education Program and The Sustainability Institute, University of California, Davis.

- El Titi, A. 2002. *Soil Tillage in Agroecosystems*. Advances in Agroecology Series, CRC Press/TaylorandFrancis: Boca Raton, FL.
- Elton, C. 1927. *Animal Ecology*. Sidgwick and Jackson: London.
- Entz, M. H., W. J Bullied, and F. Katepa-Mupondwa. 1995. Rotational benefits of forage crops in Canadian prairie cropping systems. *Journal of Production Agriculture* 8: 521–529.
- Espinosa, J. 1984. The allelopathic effects of red root pigweed (*Amaranthus retroflexus*) and lambsquarters (*Chenopodium album*) on growth and nodulation of beans (*Phaseolus vulgaris*). M.A. Thesis, Biology, University of California, Santa Cruz.
- Etherington, J. R. 1995. *Environment and Plant Ecology*. 3rd ed. John Wiley and Sons: New York.
- Evenari, M. 1982. *The Negev: The Challenge of a Desert*. Harvard Univ. Press, Cambridge..
- Ewel, J. 1999. Natural systems as models for the design of sustainable systems of land use. *Agroforestry Systems* 45: 1–21.
- Ewel, J., C. Berish, B. Brown, N. Price, and J. Raich. 1981. Slash and burn impacts on a Costa Rican wet forest site. *Ecology* 62: 816–829.
- Ewel, J., F. Benedict, C. Berish, B. Brown, S. R. Gliessman, M. Amador, R. Bermudez, A. Martinez, R. Miranda, and N. Price. 1982. Leaf area, light transmission, roots and leaf damage in nine tropical plant communities. *Agro-Ecosystems* 7: 305–326.
- Ewert, D. and S. Gliessman. 1972. Regeneration under a tree in the tropical wet forest, Osa Peninsula. Field Problem Report, Tropical Biology Course Book, pp. 306–310. Organization for Tropical Studies.
- FAO (Food and Agriculture Organization of the United Nations). 1998. *Special Report: Biodiversity for Food and Agriculture: Farm Animal Genetic Resources*. FAO: Rome.
- FAO (Food and Agriculture Organization of the United Nations). 2007. *The State of the World's Animal Genetic Resources for Food and Agriculture*. FAO: Rome.
- FAO (Food and Agriculture Organization of the United Nations). 2010. *The Second Report on the State of the World's Plant Genetic Resources for Food and Agriculture*. FAO: Rome.
- FAO (Food and Agriculture Organization of the United Nations). 2011. *State of the World's Land and Water Resources for Food and Agriculture*. FAO: Rome.

- FAO (Food and Agriculture Organization of the United Nations). 2013a. *Food Wastage Footprint: Impacts on Natural Resources, Summary Report*. FAO: Rome, Italy.
- FAO (Food and Agriculture Organization of the United Nations). 2013b. *The State of Food Insecurity in the World: The Multiple Dimensions of Food Security*. Food and Agriculture Organization of the United Nations: Rome, Italy.
- FAO (Food and Agriculture Organization of the United Nations). 2014. The International Treaty on Plant Genetic Resources For Food and Agriculture. www.planttreaty.org (visited 5 Feb. 2014).
- FAO Fisheries and Aquaculture Dept. 2012. *The State of World Fisheries and Aquaculture, 2012*. Food and Agriculture Organization of the United Nations: Rome.
- FAOSTAT. 2012. Food and Agriculture Organization of the United Nations, Statistics Database. <http://FAOstat3.FAO.org/home/index.html>. Dates of access range from 8/31/2012 to 12/31/2012.
- FAOSTAT. 2013. Food and Agriculture Organization of the United Nations, Statistics Database. <http://FAOstat3.FAO.org/home/index.html>. Dates of access range from 1/1/2013 to 12/31/2013.
- FAOSTAT. 2014. Food and Agriculture Organization of the United Nations, Statistics Database. <http://FAOstat3.FAO.org/home/index.html>. Dates of access range from 1/1/2014 to 3/30/2014.
- FARMA. 2014. The National Farmers' Retail and Markets Association. Farma.org.uk (visited 1 Feb. 2014).
- Farrell, J. 1990. The influence of trees in selected agroecosystems in Mexico. In S. R. Gliessman (ed.), *Agroecology: Researching the Ecological Basis for Sustainable Agriculture*. pp. 169–183. Springer-Verlag: New York.
- Federoff, N. V., D. S. Battisti, R. N. Beachy, P. J. M. Cooper, D. A. Fischhoff, C. N. Hodges, V. C. Knauf, D. Lobell, B. J. Mazur, D. Molden, M. P. Reynolds, P. C. Ronald, M. W. Rosegrant, P. A. Sanchez, A. Vonshak, and J. K. Zhu. 2010. Radically rethinking agriculture for the 21st Century. *Science* 327:833–834.
- Fields, S. 2004. Global nitrogen: cycling out of control. *Environmental Health Perspectives*. 112: 556–563.
- Finegan, B. 1996. Pattern and process in neotropical secondary rain forests: The first 100 years of succession. *Trends in Ecology and Evolution* 11(3): 119–124.

- Firth, C., I. Milla, and P. Harris. 2008. The use of indicators to assess the sustainability of farms converting to organic production. Pp. 194–202 in Fish, R., S. Seymour, C. Watkins, and M. Steven (eds.). *Sustainable Farmland Management: Transdisciplinary Approaches*. CABI International: Oxford, UK.
- Fish, R., S. Seymour, C. Watkins, and M. Steven (eds). 2008. *Sustainable Farmland Management: Transdisciplinary Approaches*. CABI International: Oxford, UK.
- Fitter, A. 2003. Making allelopathy respectable. *Science* 301: 1337–1338.
- Flietner, D. 1985. Don Ignacio's home garden. In R. Jaffe and S. R. Gliessman (eds.). Proceedings of OTS course 85-4, pp. 57–67. San Jose, Costa Rica.
- Fowler, C. and P. Mooney. 1990. *Shattering: Food, Politics, and the Loss of Genetic Diversity*. Univ. Arizona Press: Tucson, AZ.
- Francis, C. A. (ed.). 1986. *Multiple Cropping Systems*. MacMillan: New York.
- Francis, C., G. Lieblein, S. Gliessman, T. A. Breland, N. Creamer, R. Harwood, L. Salomonsson, J. Helenius, D. Rickerl, R. Salvador, M. Wiendehoeft, S. Simmons, P. Allen, M. Altieri, J. Porter, C. Flora, and R. Poincelot. 2003. Agroecology: the ecology of food systems. *J. Sustainable Agriculture* 22: 99–118.
- Francis, C. A., G. Lieblein, T.A. Breland, L. Salomonsson, U. Geber, N. Sriskandarajah, and V. Langer. 2008. Transdisciplinary research for a sustainable agriculture and food sector. *Agronomy Journal* 100(3): 771–776.
- Freyfogle, E. T. 2001. *The New Agrarianism: Land, Culture, and the Community of Life*. Island Press: Washington, DC.
- Fryar, C. D., M. D. Carroll, and C. L. Ogden. 2012. Prevalence of Overweight, Obesity, and Extreme Obesity Among Adults: United States, Trends 1960–1962 Through 2009–2010. Division of Health and Nutrition Examination Surveys, Centers for Disease Control.
- Fujiyoshi, P. 1997. Ecological aspects of interference by squash in a corn/squash intercropping agroecosystem. Unpublished data from Ph.D. thesis in Biology, in progress. University of California, Santa Cruz.
- Fujiyoshi, P., S. R. Gliessman, and J. H. Langenheim. 2002. Inhibitory potential of compounds released from squash (*Cucurbita* spp.) under natural conditions. *Allelopathy Journal* 9(1): 1–8.
- Fujiyoshi, P. T., S. R. Gliessman, and J. H. Langenheim. 2007. Factors in the suppression of weeds by squash interplanted in corn. *Weed Biology and Management* 7(2): 105–

- Furuno, T. 2001. *The Power of Duck*. Tagari Publications: Tasmania, Australia.
- Gajic, D. and G. Nikocevic. 1973. Chemical allelopathic effect of *Agrostemma githago* upon wheat. *Fragm. Herb. Jugosl.* 18(1).
- Garcia-Espinosa, R. 2010. *Agroecología y Enfermedades de la Raíz en Cultivos Agrícolas*. Editorial del Colegio de Postgraduados: Montecillos, Mexico.
- Gardner, G. and B. Halweil. 2000. *Overfed and Underfed: the Global Epidemic of Malnutrition*. Worldwatch paper #150.
- Gause, G. F. 1934. *The Struggle for Existence*. Williams and Wilkins: Baltimore.
- Geary, K. 2012. *Our Land, Our Lives: Time Out on the Global Land Rush*. Oxfam Briefing Note, October 2012. Oxfam GB: Oxford, UK.
- Giampietro, M. 2004. *Multi-Scale Integrated Analysis of Agroecosystems*. CRC Press: Boca Raton, FL
- Gilliom, R. and P. Hamilton. 2006. Pesticides in the Nation's Streams and Ground Water, 1992–2001—A Summary. U. S. Geological Survey, Sacramento, CA.
- Gliessman, S. R. 1978a. Sustained yield agriculture in the humid lowland tropics. *INTECOL Newsletter*. 7:1.
- Gliessman, S. R. 1978b. Memorias del Seminario Regional sobre la Agricultura Agrícola Tradicional. CSAT, Cardenas, Tabasco, Mexico.
- Gliessman, S. R. 1978c. Unpublished research report. Colegio Superior de Agricultura Tropical.
- Gliessman, S. R. 1978d. The establishment of bracken following fire in tropical habitats. *American Fern Journal* 68: 41–44.
- Gliessman, S. R. 1979. Allelopathy in crop/weed interactions in the humid tropics. In A. Amador (ed.), *Memoirs of Seminar Series of Ecology*. pp. 1–8. Colegio Superior de Agricultura Tropical: Cardenas, Tabasco, Mexico.
- Gliessman, S. R. 1982. Nitrogen cycling in several traditional agroecosystems in the humid tropical lowlands of southeastern Mexico. *Plant and Soil* 67: 105–117.
- Gliessman, S. R. 1983. Allelopathic interactions in crop–weed mixtures: Applications for weed management. *Journal of Chemical Ecology* 9: 991–999.
- Gliessman, S. R. 1987. Species interactions and community ecology in low external-input

- agriculture. *American Journal of Alternative Agriculture* 11: 160–165.
- Gliessman, S. R. 1988. Allelopathic effects of crops on weeds. Unpublished manuscript. University of California, Santa Cruz.
- Gliessman, S. R. 1989. Allelopathy and agricultural sustainability. In C. H. Chou and G. R. Waller (eds.), *Phytochemical Ecology: Allelochemicals, Mycotoxins and Insect Pheromones and Allomones*. pp. 69–80. Institute of Botany: Taipei, Taiwan.
- Gliessman, S. R. (ed.). 1990. *Agroecology: Researching the Ecological Basis for Sustainable Agriculture*. Springer-Verlag: New York.
- Gliessman, S. R. 1992a. Agroecology in the tropics: achieving a balance between land use and preservation. *Environmental Management* 16: 681–689.
- Gliessman, S. R. 1992b. Unpublished data. Agroecology Program, University of California.
- Gliessman, S. R. 1995. Sustainable agriculture: An agroecological perspective. In J. S. Andrews and I. C. Tommerup (ed.), *Advances in Plant Pathology* Vol. 11, pp. 45–56.
- Gliessman, S. R. 1998. *Agroecology: Ecological Processes in Sustainable Agriculture*. Sleeping Bear Press: Ann Arbor, MI.
- Gliessman, S. R. (ed.). 2001. *Agroecosystem Sustainability: Developing Practical Strategies*. Advances in Agroecology. CRC Press: Boca Raton, FL.
- Gliessman, S. R. 2002a. Allelopathy and agroecology. In Inderjit and A.U. Mallik (eds.), *Chemical Ecology of Plants: Allelopathy in Aquatic and Terrestrial Ecosystems*. Birkhauser Verlag: Switzerland. pp. 173–185.
- Gliessman, S. R. 2002b. Making the conversion to sustainable agroecosystems: getting from here to there with agroecology. *California Certified Organic Farmers Newsletter* 19(3): 6–8.
- Gliessman, S. R. 2004. Integrating agroecological processes into cropping systems research. *Journal of Crop Improvement* 11: 61–80.
- Gliessman, S. R. 2009. Signs of change. *Journal of Sustainable Agriculture* 33(5): 1–2.
- Gliessman, S. R. 2013. Agroecology: growing the roots of resistance. In: Mendéz, V. E., C. M. Bacon, and R. Cohen (eds.). Agroecology and the Transformation of Agri-Food Systems: Transdisciplinary and Participatory Perspectives. Special Issue, *Agroecology and Sustainable Food Systems* 37: 19–31.
- Gliessman, S. R., and R. Garcia-Espinosa. 1982. A green manure crop for the lowland

- tropics. In National Research Council (ed.), *Tropical Legumes: Resources for the Future*. National Academy of Science: Washington, D.C.
- Gliessman, S. R., R. Garcia-Espinosa, and M. F. Amador. 1981. The ecological basis for the application of traditional agricultural technology in the management of tropical agroecosystems. *Agro-Ecosystems* 7: 173–185.
- Gliessman, S. R., M. R. Werner, S. Sweezy, E. Caswell, J. Cochran, and F. Rosado-May. 1996. Conversion to organic strawberry management changes ecological processes. *California Agriculture* 50: 24–31.
- Gliessman, S. R., and M. E. Rosemeyer. 2010. *The Conversion to Sustainable Agriculture: Principles, Processes, and Practices*. Advances in Agroecology Series. CRC Press/TaylorandFrancis Group: Boca Raton, FL.
- Global Footprint Network. 2014. World Footprint: Do we fit on the planet . http://www.footprintnetwork.org/en/index.php/GFN/page/world_footprint (accessed 3/20/2014).
- González de Molin, M. 2013. Agroecology and politics. How to get sustainability. About the necessity for a political agroecology. *Agroecology and Sustainable Food Systems* 37: 1–15.
- González Jácome, A. 1985. Home gardens in Central Mexico. In I. S. Farrington (ed.), *Prehistoric Intensive Agriculture in the Tropics*. BAR: Oxford, England.
- González Jácome, A. 1986. Agroecología del Suroeste de Tlaxcala, Historia y Sociedad en Tlaxcala. pp. 201–220. Gobierno del Estado de Tlaxcala: Tlaxcala, Mexico.
- González Jácome, A. 2011. Historias Varias: Un Viaje en el Tiempo con los Agricultores Mexicanos. Universidad Iberoamericana: D.F., Mexico
- González Jácome, A. and S. Del Amo Rodriguez (eds.). 1999. *Agricultura y Sociedad en México: Diversidad, Enfoques, Estudios de Caso*. Plaza y Valdes Editores: Mexico, D.F., Mexico.
- Goodland, R. and J. Anhang. 2009. Livestock and Climate Change: What if the key factors in climate change were pigs, chickens, and cows . *World Watch*, November/December 2009. Worldwatch Institute, Washington, DC.
- Goodman, D., M. E. DuPuis, and M. K. Goodman. 2011. *Alternative Food Networks: Knowledge, Practice, and Politics*. Routledge:London.
- Gordon, A. M. and S. M. Newman. 1997. *Temperate Agroforestry Systems*. CABI

Publishing: London.

- Gottlieb, R. and A. Joshi. 2010. *Food Justice*. The MIT Press: Cambridge, MA.
- Gray, M. 2014. *Labor and the Locavore: The Making of a Comprehensive Food Ethic*. University of California Press: Berkeley, CA.
- Gregson, M. E. 1996. Long-term trends in agricultural specialization in the United States: Some preliminary results. *Agricultural History* 70: 90–101.
- Grime, J. P. 1977. Evidence for the existence of three primary strategies in plants and its relevance to ecological and evolutionary theory. *American Naturalist*. 111: 1169–1194.
- Grinnell, J. 1924. Geography and evolution. *Ecology* 5: 225–229.
- Grinnell, J. 1928. Presence and absence of animals. *University of California Chronicles* 30: 429–450.
- Groom, M. J., G. K. Meffe, and R. J. Carroll. 2006. *Principles of Conservation Biology*. Chapter 7. Sinaur Associates: Sunderland, MA.
- Grossman, E. 2013. Declining bee populations pose a threat to global agriculture. *Yale Environment 360 Report* 13 April 2013. http://e360.yale.edu/feature/declining_bee_populations_pose_a_threat_to_global_agriculture/2645/ (visited 30 January 2014).
- Guo, J. Y. and A. D. Bradshaw. 1991. The flow of nutrients and energy through a Chinese farming system. *Journal of Applied Ecology* 30: 86–94.
- Gurr, G. M., S. D. Wratten, and W. E. Snyder, with D. Read (eds.). 2012. *Biodiversity and Insect Pests: Key Issues for Sustainable Management*. Wiley-Blackwell.
- Guthman, J. 2004. *Agrarian Dreams: The Paradox of Organic Farming in California*. University of California Press: Berkeley, CA.
- Guyot, G. 1989. Les effets aérodynamiques et microclimatiques des brise-vent et des aménagements régionaux. In W. S. Reifsnyder and T. O. Darnhofer (eds.), *Meteorology and Agroforestry*. pp. 485–520. ICRAF: Nairobi.
- Guzmán-Casado, G., M. González de Molina, and E. Sevilla-Guzmán (eds.) 1999. *Introducción a la Agroecología como Desarrollo Rural Sostenible*. Ediciones Mundiprensa, Madrid.
- Guzmán-Casado, G. and A.M. Alonso-Mielgo. 2008. La investigación participativa en agroecología: una herramienta para el desarrollo sustentable. *Ecosistemas* (Spain)

16: 24–36.

- Hall, S. J. G. and J. Ruane. 1993. Livestock breeds and their conservation: a global overview. *Conservation Biology* 7: 815–825.
- Halweil, B. 2004. *Eat Here: Reclaiming Homegrown Pleasures in a Global Supermarket*. A WorldWatch book. Norton: New York.
- Hansen, J. W. and J. W. Jones. 1996. A systems framework for characterizing farm sustainability. *Agricultural Systems* 51: 185–201.
- Hanson, H. C. 1939. Ecology in agriculture. *Ecology* 20: 111–117.
- Haramoto, E. R., and E. R. Gallandt. 2004. Brassica cover cropping for weed management: a review. *Renewable Agriculture and Food Systems* 19: 187–198.
- Hardison, J. R. 1976. Fire and flame for plant disease control. *Annual Review of Phytopathology* 14: 355–379
- Harper, J. L. 1974. The need for a focus on agro-ecosystems. *Agroecosystems* 1: 1–12.
- Harper, J. L. 1977. *Population Biology of Plants*. Academic Press: London.
- Hart, R. D. 1979. *Agroecosistemas: Conceptos Basicos*. CIAT: Turrialba, Costa Rica.
- Hartwig, N. L. and H. U. Ammon. 2002. Cover crops and living mulches. *Weed Science* 50: 688–699.
- Hauggaard-Nielsen H. and E.S. Jensen. 2005. Facilitative root interactions in intercrops. *Plant and Soil* 274(1–2): 237–250.
- Hauter, W. 2012. *Foodopoly: The Battle over the Future of Food and Farming in America*. The New Press: New York.
- Hendrickson, M. and W. Heffernan. 2007. Concentration of Agricultural Markets, 2007. Department of Rural Sociology, University of Missouri. <http://www.foodcircles.missouri.edu/07contable.pdf> (visited 1 Feb. 14).
- Hernandez Xolocotzi, E. (ed.). 1977. *Agroecosistemas de México: Contribuciones a la Enseñanza, Investigación, y Divulgación Agrícola*. Colegio de Postgraduados: Chapingo, México.
- Hisyam, A., M. Anwar, and Suharto. 1979. Social and Cultural Aspects of Homegardens. Presented at the Fifth International Symposium of Tropical Ecology, Kuala Lumpur.
- Hitchings, R. 2009. Compost: The Effect on Nutrients, Soil Health and Crop Production. Institute of Organic Training and Advice (IOTA). *Results of Organic Research*:

Technical Bulletin 5: 1–7.

Hodgson, J. and A. W. Illius (eds.). 1996. *The Ecology and Management of Grazing Systems*. pp. 247–272. CAB International: Wallingford, UK.

Holt-Gimenez, E. and R. Patel. 2009. *Food Rebellions: Crisis and the Hunger for Justice*. Food First Books.

Howard, P. H. 2009. Consolidation in the North American organic food processing sector, 1997 to 2007. *International Journal of Sociology of Agriculture and Food* 16(1): 13–30.

Howard, P. H. 2014. Phillip H. Howard homepage. <https://www.msu.edu/~howardp/index.html> (visited 1 Feb. 14).

Hubbard, K. 2008. A Guide to Genetically Modified Alfalfa. Western Organization of Resource Councils. Billings, MT.

Hunt, S. C., J. L. Sawin, and P. Stair. 2006. Cultivating renewable alternatives to oil. In Starke, L. (ed.), *State of the World 2006*. Worldwatch Institute. W.N. Norton and Co.: New York.

Hutchinson, G. E. 1957. Concluding remarks. Population Studies: Animal Ecology and Demography. Presented at the Cold Spring Harbor Symposium on Quantitative Biology.

Imhoff, D. 2001. Linking tables to farms. In Freyfogle, E.R. *The New Agrarianism: Land, Culture, and the Community of Life*. Island Press: Washington, DC.

Innis, Q. 1997. *Intercropping and the Scientific Basis of Traditional Agriculture*. Intermediate Technology Development Group: London, UK.

INTECOL. 1976. *Report on an International Programme for Analysis of Agro-Ecosystems*. International Association for Ecology.

International Assessment of Agricultural Knowledge, Science, and Technology for Development (IAASTD). 2009. *Agriculture at the Crossroads: The Global Report*. Island Press: Washington, DC.

International Fund for Agricultural Development (IFAD). 2013. Smallholders, Food Security, and the Environment. IFAD/UNEP. Rome.

Jackson, W. 2011. *Nature as Measure: The Selected Essays of Wes Jackson*. Counterpoint: Berkeley, CA.

Jackson, D. L. and L. L. Jackson. 2002. *The Farm as Natural Habitat: Reconnecting Food*

- Systems with Ecosystems*. Island Press: Washington, D.C.
- James, C. 2012. Global status of Commercialized Biotech/GM Crops: 2012 (Brief #44). International Service for the Acquisition of Agri-biotech Applications.
- Jansen, D. M., J. J. Stoorvogel, and R. A. Schipper. 1995. Using sustainability indicators in agricultural land use analysis: an example from Costa Rica. *Netherlands Journal of Agricultural Science* 43: 61–82.
- Janzen, D. H. 1973. Tropical agroecosystems. *Science* 182: 1212–1219.
- Jimenez-Osornio, J. J. and V. M. Rorive (eds.). 1999. *Los Camellones y Chinampas Tropicales*. Ediciones de la Universidad Autonoma de Yucatan: Merida, Yucatan, Mexico.
- Joern, A. 2005. Disturbance by fire frequency and bison grazing modulate grasshopper assemblages in tallgrass prairie. *Ecology* 86(4): 861–873.
- Jordan, C. 1985. *Nutrient Cycling in Tropical Forests*. John Wiley and Sons: New York.
- Joshi, L., P. K. Shrestha, C. Moss, and F.L. Sinclair. 2004. Locally derived knowledge of soil fertility and its emerging role in integrated natural resource management. In van Noordwijk, M., G. Cadish, and C.K. Ong (eds.), *Below-ground Interactions in Tropical Agroecosystems: Concepts and Models with Multiple Plant Components*. pp. 17–40. CABI Publishing: Oxfordshire and Cambridge, MA.
- Kanokkanjana, K. and S. Garivait. 2013. Alternative Rice Straw Management Practices to Reduce Field Open Burning in Thailand. *International Journal of Environmental Science and Development* 4: 119–123.
- Kareiva, P., and M. Marvier. 2011. *Conservation Science: Balancing the Needs of People and Nature*. Roberts and Company Publishers: Greenwood Village, CO.
- Kates, R. W. 2011. What kind of a science is sustainability science. *Proceedings of the National Academy of Sciences* 108 (49, 99): 19449–19450
- Kehlenbeck, K. and B. L. Maass. 2005. Crop diversity and classification of homegardens in Central Sulawesi, Indonesia. *Agroforestry Systems* 63(1): 53–62.
- Kettler, J. S. 1996. Fallow enrichment of a traditional slash/mulch system in southern Costa Rica: comparisons of biomass production and crop yield. *Agroforestry Systems* 35:165–176.
- Kimbrell, A. 2002. *The Fatal Harvest Reader*. Island Press: Washington.
- Klages, K. H. W. 1942. *Ecological Crop Geography*. MacMillan: New York.

- Klee, G. 1980. *World Systems of Traditional Resource Management*. Halstead: New York.
- KMPG International. 2012. *Expect the Unexpected: Building Business Value in a Changing World*. KMPG International Cooperative.
- Koike, S. and Subbarao, K. V. 2000. Broccoli residues can control Verticillium wilt of cauliflower. *California Agriculture* 54: 30–33.
- Koizumi, H., Y. Usami, and M. Satoh. 1992. Energy flow, carbon dynamics, and fertility in three double-cropping agro-ecosystems in Japan. In M. Shiyomi, E. Yano, H. Koizumi, D. A. Andow, and N. Hokyo (eds.), *Ecological Processes in Agro-Ecosystems*. pp. 157–188. National Institute of Agro-Environmental Sciences: Tukaba, Ibaraki, Japan.
- Komiyama, H. and K. Takeuchi 2006. Sustainability science: building a new discipline. *Sustainability Science* 1:1–6.
- Koocheki, A, M. Nassiri, S. R. Gliessman, and A. Zarea. 2006. Agrobiodiversity of field crops in Iran. Unpublished manuscript.
- Koocheki, A. and S. R. Gliessman. 2005. Pastoral nomadism: a sustainable system for grazing land management in arid areas. *Journal of Sustainable Agriculture* 25: 113–131.
- Koohafkan, P. and M. A. Altieri. 2010. Globally Important Agricultural Heritage Systems: a Legacy for the Future. UN-FAO: Rome.
- Kort, J. 1988. Benefits of windbreaks to field and forage crops. *Agriculture, Ecosystems and Environment* 22/23: 165–190.
- Kotschi, J. 2010. Reconciling agriculture with biodiversity and innovations in plant breeding. *Gaia—Ecological Perspectives for Science and Society* 19:20–24.
- Koziell, I. and J. Saunders. 2001. *Living Off Biodiversity: Exploring Livelihoods and Biodiversity Issues in Natural Resources Management*. IIED: London.
- Kumar, B.M. and P.K.R. Nair. 2004. The enigma of tropical homegardens. *Agroforestry Systems* 61(1): 135–152.
- Kumar, S. 2013. The Looming Threat of Water Scarcity. Vital Signs Online, World Watch Institute. www.worldwatch.org/looming-threat-water-scarcity-0. Accessed 12 Dec 2013.
- Kuminoff, N., V. Alvin, D. Sokolow, and D. A. Sumner. 2001. Farmland Conversion: Perceptions and Realities. AIC Issues Brief#16. University of California Agricultural

Issues Center.

- Laing, D. R., P. G. Jones, and J. H. C. Davis. 1984. Common bean (*Phaseolus vulgaris* L.). In P. R. Goldsworthy and N. M. Fisher (eds.), *The Physiology of Tropical Field Crops*. pp. 305–351. Wiley and Sons: Chichester, U.K.
- Lal, R., E. Regnier, D. J. Exkert, W. M. Edwards, and R. Hammond. 1991. Expectations of cover crops for sustainable agriculture. In W. L. Hargrove (ed.), *Cover Crops for Clean Water*. pp. 1–14. Soil and Water Conservation Society: Iowa.
- Landis, D. A., F. D. Menalled, A. C. Costamagna, and T. K. Wilkinson. 2005. Manipulating plant resources to enhance beneficial arthropods in agricultural landscapes. *Weed Science* 53(6): 902–908.
- Larcher, W. 1980. *Physiological Plant Ecology*. Springer-Verlag: New York.
- Laurance, W. F., T. E. Lovejoy, H. L. Vasconcelos, E. M. Bruna, R. K. Didham, P. C. Stouffer, C. Gascon, R. O. Bierregaard, S. G. Laurance, and E. Sampaio. 2002. Ecosystem decay of Amazonian forest fragments: a 22-year investigation. *Conservation Biology* 16: 605–618.
- Leather, G. R. and F. A. Einhellig. 1986. Bioassays in the study of allelopathy. In A. R. Putnam and C. S. Tang (eds.), *The Science of Allelopathy*. pp. 133–146. John Wiley and Sons: New York.
- Leicach, S. R., D. A. Sampietro, and S. S. Narwal. 2009. *Allelochemicals: Role in Plant Environment Interactions*. Studium Press: New Dehli, India.
- LEISA (*Low External Input and Sustainable Agriculture*). 2005. Special Issue: Small Animals in Focus. Volume 21(3).
- Letourneau, D. K. 1986. Associational resistance in squash monoculture and polycultures in tropical Mexico. *Environmental Entomology* 15: 285–292.
- Levins, R. 1968. *Evolution in Changing Environments*. Princeton University Press: Princeton.
- Lihua Shen, Jun Xiong, and Wenxiong Lin. 2008. Rice Allelopathy Research in China. Pp. 215–234 in: Ren Sen Zeng, A.U. Mallik, and Shi Ming Luo (eds.). *Allelopathy in Sustainable Agriculture and Forestry*. Springer: New York, NY.
- Liste, H-H. and J. White. 2008. Plant hydraulic lift of soil water: Implications for crop production and land restoration. *Plant and Soil* 313(1-2), 1-17.
- Lithourgidis, A. S., C. S. Dordas, C. S. Damalas, and D. N. Vlachostergios. 2011. Annual

- intercrops: an alternative pathway for sustainable agriculture. *Australian Journal of Crop Science* 5: 396–410.
- Liverman, D. M., M. E. Hanson, B. J. Brown, and J. R. W. Merideth. 1988. Global sustainability: towards measurement. *Environmental Management* 12: 133–143.
- Loomis, R. S. and D. J. Connor. 1992. *Crop Ecology: Productivity and Management in Agricultural Systems*. Cambridge University Press: Cambridge.
- Los Huertos, M. 1999. *Nitrogen Dynamics in Vegetated Buffer Strips between Estuarine Wetlands and Rowcrops on the Central Coast of California*. Ph.D. Dissertation. Environmental Studies, University of California, Santa Cruz.
- Loucks, O. L. 1977. Emergence of research on agro-ecosystems. *Annual Review of Ecology and Systematics* 8: 173–192.
- Lovell, S. T., S. DeSantis, C. A. Nathan, M. B. Olsen, V.E. Mendez, H. I. Kominami, D. L. Erickson, K. S. Morris, and W. B. Morris. 2010. Integrating agroecology and landscape multifunctionality in Vermont: An evolving framework to evaluate the design of agroecosystems. *Agricultural Systems* 103: 327–341.
- Lowrance, R., B. R. Stinner, and G. J. House. 1984. *Agricultural Ecosystems: Unifying Concepts*. Wiley: New York.
- Ludlow, M. M. 1985. Photosynthesis and dry matter production in C3 legumes and C4 grasses. *Australian Journal of Plant Physiology* 12: 557–572.
- Lyon, T. L., H. O. Buckman, and N. C. Brady. 1952. *The Nature and Properties of Soils*. 5th ed. Macmillan: New York.
- MacArthur, R. H. 1962. Generalized theorems of natural selection. *Proceedings of the National Academy of Sciences* 43: 1893–1897.
- MacArthur, R. H. and E. O. Wilson. 1967. *The Theory of Island Biogeography*. Princeton Univ. Press: Princeton.
- MacDonald, Mia. 2012. Food security and equity in a climate-constrained world. Chapter 14 in *State of the World 2012: Moving Toward Sustainable Prosperity*. Worldwatch Institute/Island Press: Washington, D.C.
- MacRae, R. J., S. B. Hill, G. R. Mehuys, and J. Henning. 1990. Farm-scale agronomic and economic conversion from conventional to sustainable agriculture. *Advances in Agronomy* 43: 155–198.
- Magdoff, F. and H. van Es. 2009. *Building Soils for Better Crops*. Third Edition.

- Sustainable Agriculture Network: Washington DC.
- Magdoff, F. and R. R. Weil. 2004. *Soil Organic Matter in Sustainable Agriculture*. Advances in Agroecology Series. CRC Press: Boca Raton, Florida.
- Maingi, J. M., C. A. Shisanya, N. M. Gitonga and B. Hornetz. 2001. Nitrogen fixation by common bean (*Phaseolus vulgaris* L.) in pure and mixed stands in semi-arid south-east Kenya. *European Journal of Agronomy* 14(1): 1–12.
- Major, J., C. R. Clement, and A. DiTommaso. 2005. Influence of market orientation on food plant diversity of farms located on Amazonian Dark Earth in the region of Manaus, Amazonas, Brazil. *Economic Botany* 59(1): 77–86.
- Mamolos, A. P. and K. L. Kalburtji. 2001. Significance of allelopathy in crop rotation. In Kohli, R. K., H. P. Singh, and D. R. Batish, *Allelopathy in Agroecosystems*, pp. 197–218. Food Products Press (imprint of The Howarth Press): New York.
- Marks, R. and R. Knuffke. 1998. *America's Animal Factories: How States Fail to Prevent Pollution from Livestock Waste*. Natural Resources Defense Council.
- Marshall, E. J. P., V. K. Brown, N. D. Boatman, P. J. W. Lutman, G. R. Squire, and L. K. Ward. 2003. The role of weeds in supporting biological diversity within crop fields. *Weed Research* 43: 77–89.
- Martinez-Torres, M. E., and P. Rosset. 2014. Diálogo de saberes in La Vía Campesina: Food sovereignty and agroecology. *The Journal of Peasant Studies*. DOI: 10.1080/03066150.2013.872632.
- Mascaro, J., I. Perfecto, O. Barros, D. H. Boucher, I. G. de la Cerda, J. Ruiz and J. Vandermeer. 2005. Aboveground biomass accumulation in a tropical wet forest in Nicaragua following a catastrophic hurricane disturbance. *Biotropica* 37(4): 600–608.
- Masera, O. and S. López-Ridaura. 2000. *Sustentabilidad y Sistemas Campesinos*. Mundi-Prensa México: D.F., México.
- Mauseth, J. D. 2013. *Botany: An Introduction to Plant Biology*. Fifth Edition. Jones and Bartlett Learning: Burlington, MA.
- McMichael, P. 2009. A food regime genealogy. *The Journal of Peasant Studies* 36(1): 139–169.
- McNaughton, K. G. 1988. Effects of windbreaks on turbulent transport and microclimate. *Agriculture, Ecosystems and Environment* 22/23: 17–39.
- McNaughton, S. J. 1985. Ecology of a grazing ecosystem: The Serengeti. *Ecological*

Monographs 55: 259–294.

- McNaughton, S. J. 1990. Mineral nutrition and seasonal movements of African migratory ungulates. *Nature* 345: 613–615.
- Mehring, M., and S. Stoll-Kleemann. 2011. How effective is the buffer zone. Linking institutional processes with satellite images from a case study in the Lore Lindu Forest Biosphere Reserve, Indonesia. *Ecology and Society* 16(4): 3–12.
- Méndez, V. E. 2000. An assessment of tropical homegardens as examples of local sustainable agroforestry systems. In S. R. Gliessman (ed.), *Agroecosystem Sustainability: Developing Practical Strategies*. pp. 51–66. Advances in Agroecology series. CRC Press: Boca Raton, FL.
- Méndez, V. E., R. Lok, and E. Somarriba. 2001. Interdisciplinary analysis of homegardens in Nicaragua: micro-zonation, plant use and socioeconomic importance. *Agroforestry Systems* 51(2): 85–96.
- Méndez, V. E., C. Bacon, S. R. Gliessman, D. Goodman, and J. Fox. (eds.). 2006. *Confronting the Coffee Crisis: Sustaining Livelihoods and Ecosystems in Mexico and Central America*. MIT Press: Boston, Massachusetts.
- Méndez, V. E., C. M. Bacon, and R. Cohen. 2013. Agroecology as a transdisciplinary, participatory, and action-oriented approach. *Agroecology and Sustainable Food Systems* 37: 1–16.
- Merrill, R. (ed.). 1976. *Radical Agriculture*. Harper and Row, Publishers: New York.
- Mikhail, Monique. 2012. Growing a sustainable future. Chapter 13 in *State of the World 2012: Moving Toward Sustainable Prosperity*. Worldwatch Institute/Island Press: Washington, D.C.
- Millennium Ecosystem Assessment. 2003. *Ecosystems and Human Well-Being: A Framework for Assessment*. Island Press: Washington, D.C.
- Mills, C. Wright and A. Wolfe (contributor). 2000. *The Power Elite*. Oxford University Press, USA.
- Minchin, F. R., R. J. Summerfield, A. R. J. Eaglesham, and K. A. Stewart. 1978. Effects of short-term waterlogging on growth and yield of cowpea (*Vigna unguiculata*). *Journal of Agricultural Science* 90: 355–366.
- Mohler, C. L. and K. A. Stoner. 2009. Guidelines for Intercropping. Pp. 95–100 in *Crop Rotation on Organic Farms: A Planning Manual*. NRAES-177.

- Monterey County Agricultural Commissioner. 2013. Monterey County Crop Report 2012. Monterey County Agricultural Commissioner's Office, Salinas, CA.
- Montgomery, D. R. 2007. Soil Erosion and Agricultural Sustainability. *Proceedings of the National Academy of Sciences (USA)* 104: 13268–13272.
- Monteith, J. L. 1973. *Principles of Environmental Physics*. Edward Arnold, Ltd.: London.
- Mountjoy, D. C., and S. R. Gliessman. 1988. Traditional management of a hillside agroecosystem in Tlaxcala, Mexico: an ecologically-based maintenance system. *American Journal of Alternative Agriculture* 3: 3–10.
- Mousavi, S. R., and H. Eskandari. 2011. A general overview on intercropping and its advantages in sustainable agriculture. *Journal of Applied Environmental and Biological Sciences* 1: 482–486.
- Muller, C. H. 1974. Allelopathy in the environmental complex. In B. R. Strain and W. D. Billings (eds.), *Vegetation and Environment*, Part VI. pp. 73–85. W. Junk B. V. Publisher: The Hague.
- Muramoto, J., S. R. Gliessman, S. T. Koike, C. Shennan, D. Schmida, R. Stephens, and S. Swezey. 2005. Maintaining agroecosystem health in an organic strawberry/vegetable rotation system. www.agroecology.org/people/joji/research/elkhorn_4.htm
- Muramoto, J., S. R. Gliessman, S. T. Koike, C. Shennan, C. T. Bull, K. Klonsky, and S. Swezey. 2014. Integrated biological and cultural practices can reduce crop rotation period of organic strawberries. *Agroecology and Sustainable Food Systems* 38(5) (In press).
- Murray, M. G. and A. W. Illius. 1996. Multispecies grazing in the Serengeti. In J. Hodgson and A. W. Illius (eds.), *The Ecology and Management of Grazing Systems*. pp. 247–272. CAB International: Wallingford, UK.
- Nabham, G. P. 2002. *Enduring Seeds: Native American Agriculture and Wild Plant Conservation*. University of Arizona Press: Tucson, AZ.
- Nair, P. K. R. 1983. Tree integration on farmlands for sustained productivity of small holdings. In W. Lockeretz (ed.), *Environmentally Sound Agriculture*. pp. 333–350. Praeger: New York.
- Nair, P. K. R. 1984. *Soil Productivity Aspects of Agroforestry: Science and Practice in Agroforestry*. International Council for Research in Agroforestry (ICRAF): Nairobi, Kenya.

- Nair, P. K. R. 2001. Do tropical homegardens elude science, or is it the other way around. *Agroforestry Systems* 53(2): 239–245.
- National Research Council. 1989. *Alternative Agriculture*. National Academy Press: Washington, D.C.
- Natural Resources Conservation Service (NRCS). 2010. Soil Erosion on Cropland: 2007 Natural Resources Survey. www.nrcs.USDA.gov/Internet/FSE_DOCUMENTS/nrcs143_012269.pdf (accessed 9 Jan 2014)
- Naughton-Treves, L. and N. Salafsky. 2004. Wildlife conservation in agroforestry buffer zones: opportunities and conflict. In G. Schroth, G. A. B. da Fonseca, C. A. Harvey, C. Gascon, H. L. Vasconcelos, and A. M. N. Izac (eds.), *Agroforestry and Biodiversity Conservation in Tropical Landscapes*. pp. 319–345. Island Press: Washington, D.C.
- Naylor, R. E. L. 1984. Seed ecology. *Advances in Research and Technology of Seeds* 9: 61–93.
- Nentwig, W. 1998. Weedy plant species and their beneficial arthropods: potential for manipulation in field crops. Pp. 49–72 in: Pickett, C. H. and R. L. Bugg (eds.). *Enhancing biological control: habitat management to promote natural enemies of agricultural pests*. UC Press: Berkeley.
- Nevo, E. 1998. Genetic diversity in wild cereals: Regional and local studies and their bearing on conservation *ex situ* and *in situ*. *Genetic Resources and Crop Evolution* 45(4): 355–370.
- Nichols, C., M. Parrella, and M.A. Altieri. 2000. Establishing a plant corridor to enhance beneficial insect biodiversity in an organic vineyard. *Organic Farming Research Foundation Information Bulletin*. Winter 2000, number 7: 7–9.
- Nichols, C. I. and M. A. Altieri. 2013. Plant biodiversity enhances bees and other insect pollinators in agroecosystems. A review. *Agronomy for Sustainable Development* 33: 257–274.
- Nierenberg, D. 2005. *Happier Meals: Rethinking the Global Meat Industry*. WorldWatch Paper 171. WorldWatch Institute: Washington, D.C.
- Nierenberg, D. and B. Halweil. 2004. Cultivating Food Security. Chapter 4 in *State of the World 2004*. Worldwatch Institute/W.W. Norton and Co.: Washington, DC and New York.
- Nordstrom, K. F. and S. Hotta. 2004. Wind erosion from cropland in the USA: a review

- of problems, solutions, and prospects. *Geoderma* 121(3-4): 157–167.
- Norris, R. F., and M. Kogan. 2005. Ecology of interaction between weeds and arthropods. *Annual Review of Entomology* 50: 479–503.
- Norton, R. L. 1988. Windbreaks: benefits to orchard and vineyard crops. *Agriculture, Ecosystems and Environment* 22/23: 205–213.
- Nye, P. H. and D. J. Greenland. 1960. *The Soil Under Shifting Cultivation*. Commonwealth Bureau of Soils: Harpenden.
- O'Donoghue, E., J. MacDonald, U. Vasavada, and P. Sullivan. 2011. Changing Farming Practices Accompany Major Shifts in Farm Structure. http://www.ers.usda.gov/amber-waves/2011-december/changing-farming-practices.aspx#.Uu3XM_YnvSM (accessed February 1, 2014).
- Odum, E. P. 1969. The strategy of ecosystem development. *Science* 164: 262–270.
- Odum, E. P. 1971. *Fundamentals of Ecology*. W. B. Saunders: Philadelphia.
- Odum, E. P. 1993. *Ecology and Our Endangered Life-Support Systems*. Sinauer Associates Incorporated: Sunderland, Massachusetts.
- Odum, H. T. 1996. *Environmental Accounting: EMERGY and Environmental Decision Making*. Wiley: New York.
- Odum, E. P. and G. W. Barrett. 2005. *Fundamentals of Ecology*. 5th Edition. Thomson Brooks/Cole: Belmont, CA.
- Oerke, E. C. 2006. Crop losses to pests. *Journal of Agricultural Sciences*. 144:31–43
- Ong, C. K., R. M. Kho, and K. Onnesstraat. 2004. Ecological interactions in multispecies agroecosystems: concepts and rules. In van Noordwijk, M., G. Cadish, C.K. Ong (eds.), *Below-ground Interactions in Tropical Agroecosystems: Concepts and Models with Multiple Plant Components*. pp. 1–16. CABI Publishing: Cambridge, MA.
- Organic Trade Association. 2011. Manure Facts. <http://www.ota.com/organic/foodsafety/manure.html> (accessed 9 January 2014)
- Papadakis, J. 1938. *Compendium of Crop Ecology*. Buenos Aires, Argentina.
- Park, S., P. Croteau, K. Boering, D. Etheridge, D. Ferretti, P. Fraser, K-R. Kim, P. Krummel, R. Langenfelds, T. van Ommen, L. Steele, and C. Trudinger. 2012. Trends and seasonal cycles in the isotopic composition of nitrous oxide since 1940. *Nature Geoscience* 5(4): 261–265.

- Patel, Raj. 2008. *Stuffed and Starved: The Hidden Battle for the World Food System*. Melville House, New York.
- Paulus, J. 1994. Ecological aspects of orchard floor management in apple agroecosystems of the central California coast. Ph.D. dissertation, University of California, Santa Cruz.
- Pearce, Fred. 2006. *When the Rivers Run Dry: The Defining Crisis of the Twenty-first Century*. Beacon Press, Boston, MA.
- Perfecto, I., J. Vandermeer, and A. Wright. 2009. *Nature's Matrix: Linking Agriculture, Conservation, and Food Sovereignty*. Earthscan: London.
- Pianka, E. R. 1970. On *r*- and *K*-selection. *American Naturalist* 104: 592–597.
- Pianka, E. R. 1978. *Evolutionary Ecology*. 2nd edition. Harper and Row: New York.
- Pianka, E. R. 2000. *Evolutionary Biology*. 6th edition. Benjamin Cummings: San Francisco, CA.
- Pickett, S. T. A. and P. White (ed.). 1985. *The Ecology of Natural Disturbances and Patch Dynamics*. Academic Press: Orlando, Florida.
- Pimentel, D. 2005. Environmental and economic costs of the application of pesticides, primarily in the United States. *Environment, Development and Sustainability* 7: 229–252.
- Pimentel, D. (ed.). 2012. *Global Economic and Environmental Aspects of Biofuels*. CRC Press/Taylor and Francis Group: Boca Raton, FL.
- Pimentel, D. and D. Wen. 1990. Technological changes in energy use in U.S. agricultural production. Pp. 147–164 in Carroll, C. R., J. H. Vandermeer, and P. M. Rosset (eds.) *Agroecology*. McGraw Hill: New York.
- Pimentel, D. and M. Pimentel. 2003. Sustainability of meat-based and plant-based diets and the environment. *American Journal of Clinical Nutrition* 78: 3.
- Pimentel, D. and M. Pimentel. 2008. *Food, Energy, and Society*. Third Edition. CRC Press/Taylor and Francis Group: Boca Raton, FL.
- Pimentel, D., D. Nafus, W. Vergara, D. Papaj, L. Jaconetta, M. Wulfe, L. Olsvig, K. French, M. Loyer, and E. Mendoza. 1978. Biological solar energy conversion and U.S. energy policy. *Bioscience* 28: 376–382.
- Pimentel, D., M. Pimentel, and M. Karpenstein-Machan. 1998. Energy Use in Agriculture: An Overview. International Commission of Agricultural Engineering

Ejournal (cigr-ejournal.tamu.edu)

- Pimentel, D., P. Hepperly, J. Hanson, D. Douds, and R. Seidel. 2005. Environmental, energetic, and economic comparisons of organic and conventional farming systems. *BioScience* 55: 573–582.
- Pinchinat, A. M., J. Soria, and R. Bazan. 1976. Multiple cropping in tropical America. In R. I. Papendick, P. A. Sanchez, and G. B. Triplett (eds.), *Multiple Cropping*. pp. 51–62. American Society of Agronomy: Madison, Wisconsin.
- Pisani Gareau, T., and C. Shennan. 2010. Can Hedgerows Attract Beneficial Insects and Improve Pest Control. A Study of Hedgerows on Central Coast Farms. UCSC Center for Agroecology and Sustainable Food Systems. Research Brief #13: 1–8.
- Pisani Gareau, T., D.K. Letourneau, and C. Shennan. 2013. Relative densities of natural enemy and pest insects in California hedgerows. *Environmental Entomology* 42: 688–702.
- Pokhrel, Y. U., N. Hanasaki, P. J-F. Yeh, T. J. Yamada, S. Kanae, and T. Oki. 2012. Model estimates of sea-level change due to anthropogenic impacts on terrestrial water storage. *Nature Geoscience* 5:389–392.
- Pollan, M. 2008. *In Defense of Food: An Eater's Manifesto*. The Penguin Press: London, UK.
- Postel, S. L. 2010. Water: Adapting to a New Normal. In: Heinber, R., and D. Lerch (eds.). *The Post Carbon Reader: Managing the 21st Century's Sustainability Crises*. Watershed Media/University of California Press.
- Postel, S. and A. Vickers. 2004. Boosting Water Productivity. Chapter 3 in *State of the World 2004*. Worldwatch Institute/W.W. Norton and Co.: Washington, DC and New York.
- Pretty, J. 2002. *Agri-Culture: Reconnecting People, Land and Nature*. Earthscan: London.
- Pretty, J. (ed.). 2005. *The Earthscan Reader in Sustainable Agriculture*. Earthscan: London.
- Price, P. W. 1976. Colonization of crops by arthropods: non-equilibrium communities in soybean fields. *Environmental Entomology* 5: 605–611.
- Price, P. W. 1997. *Insect Ecology*. Third Edition. John Wiley and Sons, Inc.: New York, NY.

- Pryke, J. S., and M. J. Samways. 2012. Importance of using many taxa and having adequate controls for monitoring impacts of fire for arthropod conservation. *Journal of Insect Conservation* 16: 177–185.
- Putnam, A. R., and L. A. Weston. 1986. Adverse impacts of allelopathy in agricultural systems. In A. R. Putnam and C. S. Tang (eds.), *The Science of Allelopathy*. pp. 43–56. John Wiley and Sons: New York.
- Pyne, S. J. 2012. *Fire: Nature and Culture*. Reaktion Books: London, UK.
- Qualset, C. and H. Shands. 2005. *Safeguarding the Future of U.S. Agriculture: The Need to Conserve Threatened Collections of Crop Diversity Worldwide*. University of California, Division of Agriculture and Natural Resources, Genetic Resources Conservation Program. Davis, CA, USA.
- Radosevich, S. R., J. S. Holt, and C. Ghersa 1997. *Weed Ecology: Implications for Vegetation Management*. Second Edition. John Wiley and Sons: New York.
- Radosevich, S., J. Holt, and C. Ghersa. 2007. *Ecology of Weeds and Invasive Plants: Relationship to Agriculture and Natural Resource Management*. Third Edition. John Wiley and Sons: New York.
- Raison, R. J. 1979. Modification of the soil environment by vegetation fires, with particular reference to nitrogen transformations: a review. *Plant and Soil* 51: 73-108.
- Ramrao, W. Y., S. P. Tiwari, and P. Singh. 2005. Crop-livestock integrated farming system for augmenting socio-economic status of smallholder tribal farmers of Chhattisgarh in Central India. *Livestock Research for Rural Development*. Volume 17, Art. #90. Retrieved November 4, 2005, from <http://www.cipav.org.co/lrrd/lrrd17/8/ramr17090.htm>
- Rappaport, R. A. 1971. The flow of energy in an agricultural society. *Scientific American*. 224: 117–132.
- Rasul, G. and G. B. Thapa. 2003. Sustainability analysis of ecological and conventional agricultural systems in Bangladesh. *World Development* 31(10): 1721–1741.
- Reganold, J. P., L. F. Elliot, and Y. L. Unger. 1987. Long-term effects of organic and conventional farming on soil erosion. *Nature* 330: 370–372.
- Reifsnyder, W. S., and T. O. Darnhofer. 1989. *Meteorology and Agroforestry*. International Centre for Research in Agroforestry: Nairobi, Kenya.
- Rein, F., M. Los Huertos, K. D. Holl, and J. H. Langenheim. 2007. Restoring native

grasses as vegetative buffers in a coastal California agricultural landscape. *Madroño* 54: 249–257.

Ren Sen, Z., A. U. Mallick, and Luo Shi Ming (eds.). 2008. *Allelopathy in Sustainable Agriculture and Forestry*. Springer: New York, NY.

Renting, H., R. K. Mardsen, and J. Banks. 2003. Understanding alternative food networks: exploring the role of short food supply chains in rural development. *Environment and Planning* 35: 393–411.

Reznick D., M. J. Bryant, and F. Bashey. 2002. r-and K-selection revisited: The role of population regulation in life-history evolution. *Ecology* 83(6): 1509–1520.

Rice, E. L. 1984. *Allelopathy*. 2nd ed. Academic Press: Orlando, Florida.

Rickerl, D. and C. Francis (eds.). 2004. Agroecosystems analysis. *Agronomy Monograph*. No. 43. America Society of Agronomy: Madison, WI.

Risch, S. 1980. The population dynamics of several herbivorous beetles in a tropical agroecosystem: the effect of intercropping corn, beans, and squash in Costa Rica. *Journal of Applied Ecology* 17: 593–612.

Risser, P. G. 1995. Indicators of grassland sustainability: A first approximation. In M. Munasinghe and W. Shearer (eds.), *Defining and Measuring Sustainability: The Biophysical Foundations*. pp. 310–319. World Bank: Washington, D.C.

Roberts, C. 2012. *The Ocean of Life: The Fate of Man and the Sea*. Viking Press: New York, NY.

Roberts, P. 2008. *The End of Food*. Houghton Mifflin: New York.

Robinson, R. A. 1996. *Return to Resistance: Breeding Crops to Reduce Pesticide Dependence*. AgAccess: Davis, CA.

Rodale Institute. 2012. The Farming Systems Trail: Celebrating 30 Years. Kutztown, PA. <http://rodaleinstitute.org/our-work/farming-systems-trail/farming-systems-trail-30-year-report/> (PDF downloaded 9 Jan 2013).

Rosemeyer, M., N. Viaene, H. Swartz, and J. Kettler. 2000. The effect of slash/mulch and alley-cropping bean production systems on soil microbiota in the tropics. *Applied Soil Ecology* 15: 49–59.

Rosemeyer, M. 2010. What Do We Know about the Conversion Process. Yields, Economics, Ecological Processes, and Social Issues. Pp 15–48 in: Gliessman, S. R. and M. E. Rosemeyer. (eds.). 2010. *The Conversion to Sustainable Agriculture*:

Principles, Processes, and Practices. Advances in Agroecology Series. CRC Press/Taylor and Francis Group: Boca Raton, FL.

Ruiz-Rosado, O. 1984. Effects of weed borders on the dynamics of insect communities in a cauliflower agroecosystem. M.A. Thesis, University of California, Santa Cruz.

Russell, W. M. S. 1968. The slash-and-burn technique. *Natural History* 78: 58–65.

Sahagian, D. 2000. Global physical effects of anthropogenic hydrological alterations: Sea level and water redistribution. *Global and Planetary Change* 25(1–2): 39–48.

Sale, P. 2011. *Our Dying Planet: An Ecologist's View of the Crisis We Face.* University of California Press: Berkeley.

Salick, J. and L. C. Merrick. 1990. Use and maintenance of genetic resources: crops and their wild relatives. In C. R. Carroll, J. H. Vandermeer, and P. M. Rosset (eds.), *Agroecology*. pp. 517–548. McGraw-Hill: New York.

Sanchez, P. A. 1976. *Properties and Management of Soils in the Tropics.* John Wiley and Sons: New York.

Santa Cruz County Agricultural Commissioner. 2013. Santa Cruz County Crop Report 2012. Santa Cruz County Agricultural Commissioner's Office, Watsonville, CA.

Santalla M., J. M. Amurrio, A. P. Rodino, and A. M. de Ron. 2001. Variation in traits affecting nodulation of common bean under intercropping with maize and sole cropping. *Euphytica* 122(2): 243–255.

Schafer, K., M. Reeves, S. Spitzer, and S. Kegley. 2004. *Chemical Trespass: Chemicals in Our Bodies and Corporate Accountability.* Pesticide Action Network North America.

Scherr, S. J. 2007. *Farming with Nature: The Science and Practice of Ecoagriculture.* Island Press: Washington, DC.

Schiere, J. B., M. N. M. Ibrahim, and H. van Keulen. 2002. The role of livestock for sustainability in mixed farming: criteria and scenario studies under varying resource allocations. *Agriculture, Ecosystems and Environment* 90(2): 139–153.

Seiter, S. and W.P. Horwath. 2004. Strategies for managing soil organic matter to supply plant nutrients. In Magdoff, F. and R.R. Weil. *Soil Organic Matter in Sustainable Agriculture.* Advances in Agroecology Series. CRC Press: Boca Raton, Florida. pp. 269–293.

Seubert, C. E., P. A. Sanchez, and C. Valverde. 1977. Effects of land clearing methods on soil properties of an ultisol and crop performance in the Amazon jungle of Peru.

Tropical Agriculture (Trinidad) 54: 434–437.

Sevilla-Guzmán, E. 1999. Introducción. In Instituto de Sociología y Estudios Campesinos (ed.), *Dicen los Ganaderos: Taller para el cuidado del la dehesa*. Sociedad Cooperativa Andaluza Corpedroches. Seville, Spain.

Sevilla-Guzmán, E. 2006. *De la Sociología Rural a la Agroecología*. Icaria Editorial: Barcelona.

Seyedeh, D. H., A. Kashani, F. Paknejad, H. Jafary, M. J. Al-Ahmadi, M. R. Tookaloo, and J. Lamei. 2010. Evaluation of hairy vetch (*Vicia villosa* Roth) in pure and mixed cropping with barley (*Hordeum vulgare* L.) to determine the best combination of legume and cereal for forage production. *American Journal of Agricultural and Biological Sciences* 5: 169–176.

Shennan, C., Muramoto, J., Koike, S., Bolda, M., Daugovish, O., Mochizuki, M., Rosskopf, E., Kokalis-Burelle, N., and Butler, D. 2010. Optimizing anaerobic soil disinfestation for strawberry production in California. Proceedings of the Annual International Research Conference on Methyl Bromide Alternatives and Emissions Reductions, Orlando, FL. pp. 23.1–23.4.

Shuman, M. 2006. *The Small-Mart Revolution: How Local Businesses are Beating the Global Competition*. Berrett-Koehler Publishers: San Francisco, CA.

Shuman, M. 2012. *Local Dollars, Local Sense: A Community Resilience Guide*. Chelsea Green: White River Junction, VT.

Simberloff, D. S. and E. O. Wilson. 1969. Experimental zoogeography of islands: the colonization of empty islands. *Ecology* 50: 278–296.

Sinclair, T. R. 2012. Is transpiration efficiency a viable plant trait in breeding for crop improvement. *Functional Plant Biology* 39: 359–365.

Singh, R. P., D. P. Hodson, J. Huerta-Espino, Yue Lin, S. Bhavani, P. Njau, S. Herrera-Poessel, P. K. Singh, S. Singh, and V. Govindan. 2011. The Emergence of Ug99 Races of the Stem Rust Fungus is a Threat to World Wheat Production. *Annual Review of Phytopathology* 49: 465–481.

Smith, J. and J. Leys. 2009. Identification of areas within Australia for reducing soil loss by wind erosion. Commonwealth of Australia, Bureau of Rural Sciences, Canberra, Australia. <http://nrmonline.nrm.gov.au/catalog/mql:2246>

Snapp, S. and B. Pound. 2008. *Agricultural Systems: Agroecology and Rural Innovation for Development*. Academic Press: Amsterdam, The Netherlands.

- Soil Conservation Service. 1984. Strawberry Hills target area: watershed area study report, Monterey County, CA. USDA, River Basin Planning Staff, Soil Conservation Service.
- Stern, W. R. and C. M. Donald. 1961. Light relationships in grass/clover swards. *Australian Journal of Agricultural Research* 13: 599–614.
- Stigter, K. (ed.). 2010. *Applied Agrometeorology*. Springer: New York.
- Stockdale, E. A. and C. A. Watson. 2012. *Managing Soil Biota to Deliver Ecosystem Services*. Natural England Commissioned Report #100.
- Sullivan, P. 2003. *Overview of Cover Crops and Green Manures*. ATTRA—National Sustainable Agriculture Information Service: Fayetteville, AK.
- Swezey, S. L. 2004. Trap-cropping the western tarnished plant bug, *Lygus hesperus* Knight, in California organic strawberries. Proceedings. California Organic Production and Farming in the New Millennium: A Research Symposium. UC Berkeley, CA. July 15, 2004.
- Swezey, S. L., J. Rider, M. W. Werner, M. Buchanan, J. Allison, and S. R. Gliessman. 1994. Granny Smith conversions to organic show early success. *California Agriculture*. 48: 36-44.
- Swezey, S. L., P. Vossen, J. Caprile, and W. Bentley. 2002. *Organic Apple Production Manual*. Publication 3403. University of California, Agriculture and Natural Resources: Oakland, CA.
- Swezey, S. L., D. J. Nieto, J. R. Hagler, C. H. Pickett, J. A. Bryer, and S. A. Machtley. 2013. Dispersion, distribution, and movement of *Lygus* spp. (Hemiptera: Miridae) in trap-cropped organic strawberries. *Environmental Entomology* 42(4): 770–778.
- Swezey, S. L., C. H. Pickett, D. J. Nieto, J. A. Bryer, and C. S. Slay. 2014. Chemical, biological and physical control of *Lygus* spp. nymphs in managed alfalfa trap crops. (in preparation).
- 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. *Agriculture, Ecosystems and Environment* 104: 113–134.
- Tansley, A. G. 1935. The use and abuse of vegetational concepts and terms. *Ecology* 16: 284–307.
- Tellarini, V. and F. Caporali. 2000. An input/output methodology to evaluate farms as

- sustainable agroecosystems: an application of indicators to farms in Central Italy. *Agriculture, Ecosystems, and Environment* 77: 111–123.
- Theunissen, J. and H. van Duden. 1980. Effects of intercropping with *Spergula arvensis* on pests of Brussels sprouts. *Entomologia Experimentalis et Applicata* 27: 260–268.
- Thomas M. B., S. D. Wratter, and N. W. Sotherton. 1991. Creation of “island” habitats in farmland to manipulate populations of biological arthropods, predator densities, and emigration. *J. Appl. Ecol.* 28: 906–917.
- Thompson, E. Jr. 2009. California Agricultural Land Loss and Conservation: The Basic Facts. American Farmland Trust.
- Tibke, G. 1988. Basic principles of wind erosion control. *Agriculture, Ecosystems and Environment* 22/23: 103–122.
- Tischler, W. 1965. *Agrarökologie*. Fischer Verlag: Jena.
- Treschow, M. 1970. *Environment and Plant Response*. McGraw-Hill: New York.
- Tsegaye, B. 1997. The significance of biodiversity for sustaining agriculture and the role of women in the traditional sector: the Ethiopian experience. *Agriculture, Ecosystems, and Environment* 62: 215–227.
- Tsubo, M., S. Walker, and E. Makhala. 2001. Comparisons of radiation use efficiency of mono-/inter-cropping systems with different row orientations. *Field Crops Research* 71: 17–29.
- Turner, B. L., R. E. Kasperson, P. A. Matson, J. J. McCarthy, R. W. Corell, L. Christensen, N. Eckley, J. X. Kasperson, A. Luers, M. L. Martello, C. Polsky, A. Pulsipher, and A. Schiller. 2003. A framework for vulnerability analysis in sustainability science. *Proceedings of the National Academy of Sciences of the United States of America* 100(14): 8074–8079.
- Turner, M. G., R. H Gardner, and R. V. O’Neill. 2001. *Landscape Ecology in Theory and Practice: Pattern and Process*. Springer Verlag: New York.
- Tuxill, J. and G. P. Nabhan. 2001. *People, Plants and Protected Areas: A Guide to In Situ Management*. Earthscan: London.
- Ullstrup, A. J. 1972. The impact of the southern corn leaf blight epidemics of 1970-1971. *Annual Review of Phytopathology* 10: 37–50.
- Unger, P. W. 1994. *Managing Agricultural Residues*. CRC Press: Boca Raton, FL.
- United Nations. 2010. World population prospects: The 2010 revision, highlights.

Population Division of the Department of Economic and Social Affairs of the United Nations Secretariat: New York.

UN Water. 2012. http://www.unwater.org/statistics_use.html. Accessed 20 Aug 2012.

Uphoff, N. (ed.). 2002. *Agroecological Innovations: Increasing Food Production with Participatory Development*. Earthscan: London, U.K.

Uphoff, N., A. S. Ball, E. Fernandes, H. Herren, O. Husson, M. Laing, C. Palm, J. Pretty, P. Sanchez, N. Sanginga, and J. Thies. (eds.). 2006. *Biological Approaches to Sustainable Soil Systems*. CRC Press/Taylor and Francis Group: Boca Raton, FL.

U.S. Census Bureau database (www.census.gov). Accessed January 2005.

USDA (United States Department of Agriculture). 2002. Census of Agriculture. Washington, D.C.

USDA (United States Department of Agriculture). 2003. "Organic Agriculture: Gaining Ground." February 2003 issue of *Amber Waves*. USDA Economic Research Service. www.ers.usda.gov/AmberWaves/Feb03/Findings/OrganicAgriculture.htm

USDA (United States Department of Agriculture). 2007. Census of Agriculture. Washington, D.C.

USDA (United States Department of Agriculture). 2013. "Growth Patterns in the US Organic Industry." October 2013 issue of *Amber Waves*. USDA Economic Research Service. www.ers.usda.gov/amber-waves/2013-october/growth-patterns-in-the-us-organic-industry (accessed 5 March 2014).

USDA (United States Department of Agriculture). 2014. Agricultural Marketing Service website. Farmers Markets and Local Food Marketing. <http://www.ams.usda.gov/AMSV1.0/ams> (visited 2 Feb. 2014).

USDA Economic Research Service. 2014. <http://www.ers.usda.gov/data-products/food-dollar-series/quick-facts.aspx#.UssWVf2e0vk>. Accessed 6 January 2014.

U.S. EPA (U.S. Environmental Protection Agency). 2012. Pesticides section. http://www.epa.gov/opp00001/pestsales/07pestsales/usage2007.htm#3_1 (accessed 4 December 2012).

Vald  z, A. and W. Foster. 2012. Net food-importing developing countries: who they are, and policy options for global price volatility. International Center for Trade and Sustainable Development. Issue Paper no. 43.

Van der Pijl, L. 1972. *Principles of Dispersal in Higher Plants*. Springer-Verlag: Berlin.

- van Noordwijk, M., G. Cadish, C.K. Ong (eds.). 2004. *Below-ground Interactions in Tropical Agroecosystems: Concepts and Models with Multiple Plant Components*. CABI Publishing: Cambridge, MA.
- Van Tassel, D. L., L. R. DeHaan and T. S. Cox. 2010. Missing domesticated plant forms: Can artificial selection fill the gap. *Evolutionary Applications* 3: 434–452.
- Van Tassel, D., and L. R. DeHaan. 2013. Wild plants to the rescue. *American Scientist*. 101: 218–225.
- Van Tuijl, W. 1993. *Improving Water Use in Agriculture: Experiences in the Middle East and North Africa*. Report # 201. World Bank.
- Vandermeer, J. 1992. *The Ecology of Intercropping*. Cambridge University Press: New York.
- Vandermeer, J. H. 2011. *The Ecology of Agroecosystems*. Jones and Bartlett Publishers: Sudbury, MA.
- Vandermeer, J., I. G. de la Cerda, D. Boucher, I. Perfecto and J. Ruiz. 2000. Hurricane disturbance and tropical tree species diversity. *Science* 290(5492): 788–791.
- Verkerk R. H. J., S. R. Leather, D. J. Wright. 1998. The potential for manipulating crop-pest–natural enemy interactions for improved insect pest management *Bulletin of Entomological Research* 88(5): 493–501.
- Vilain, L. 2003. *La Méthode IDEA: Indicateurs de Durabilité des Exploitations Agricoles—Guide d'Utilisation*. Educagri éditions: Dijon, France.
- Volder, A. and J. Franco. 2013. Evaluating functional diversity in an organic intercropping system. Sustainable Agriculture Research and Education Program Final Report. Accessed at <http://mysare.sare.org/mySARE/ProjectReport.aspx> . do=viewReptandpn=GS11-108andy=2013andt=1
- Walker, L. R., J. Walker, and R. J. Hobbs, eds. 2007. *Linking Restoration and Ecological Succession*. Springer: New York.
- Ward, C. E. 2010. Assessing competition in the US Beef packing industry. *Choices* 25(2).
- Weiner, J. 1990. Plant Population Ecology in Agriculture. In C. R. Carroll, J. H. Vandermeer, and P. M. Rossett (eds.), *Agroecology*. pp. 235–262. McGraw Hill: New York.
- Wezel A., S. Bellon, T. Doré, C. Francis, D. Vallod, and C. David. 2009. Agroecology as a science, a movement and a practice: A review. *Agronomy for Sustainable Development* 29(4):503–515.

- Whittaker, R. H. 1975. *Communities and Ecosystems*. 2nd ed. MacMillan: New York.
- Whitworth, J. 2011. Hessian Fly Fall Activity on Wheat. Kansas State University Extension e-Updates 318: 1–3. <http://www.agronomy.ksu.edu/doc3743.ashx> (accessed 10 January 2014).
- Wiersum, K. F. 1981. Introduction to the agroforestry concept. In Wiersum (ed.), *Viewpoints in Agroforestry*. Agricultural University of Wageningen, The Netherlands.
- Wilken, G. C. 1969. Drained-field agriculture: an intensive farming system in Tlaxcala, Mexico. *The Geographical Review* 59:215–241.
- Wilken, G. C. 1988. *Good Farmers: Traditional Agricultural Resource Management in Mexico and Central America*. University of California Press: Berkeley.
- Wilkins, J. L. 2005. Eating right here: Moving from consumer to food citizen. *Agriculture and Human Values* 22: 269–273.
- Willey, R. W. 1981. A scientific approach to intercropping research. *Proceedings, International Workshop on Intercropping*. pp. 4–14. ICRISAT: India.
- Willis, R. J. 1985. The historical bases of the concept of allelopathy. *Journal of the History of Biology* 18(1): 71–102.
- Wilsie, C. P. 1962. *Crop Adaptation and Distribution*. Freeman: San Francisco.
- Wilson, E. O. 1992. *The Diversity of Life*. W. W. Norton and Co.: New York and London.
- Wilson, E. O. 2002. *The Future of Life*. Random House: New York, NY. Woodgate, G., B. Ambrose-Oji, R. Fernandez Durán, G. Guzmán, and E. Sevilla Guzmán. 2005. Alternative food and agriculture networks: an agroecological perspective on responses to economic globalizations and the ‘new’ agrarian question. In Redclift, M.R. and G. Woodgate. *New Developments in Environmental Sociology*. pp. 586–612. Edward Elgar Publishing: Chetanham, UK.
- World Congress on Conservation Agriculture. 2005. www.ecaf.org/English/Congress.htm. Accessed 7 Jan 2005.
- WHO (World Health Organization). 2013. Media Centre: Obesity and Overweight. <http://www.who.int/mediacentre/factsheets/fs311/en/> (visited 1 Feb. 2014).
- Wratten, S., H. Sandhu, R. Cullen, and R. Costanza. 2013. *Ecosystem Services in Agricultural and Urban Landscapes*. John Wiley and Sons: New York.
- Wu, M., M. Quirindongo, J. Sass, and A. Wetzler. 2010. *Still Poisoning the Well: Atrazine*

Continues to Contaminate Surface Water and Drinking Water in the United States.
Natural Resources Defense Council: Washington, DC.

- Xie, J., L. Hu, J. Tang, X. Wu, N. Li, Y. Yuan, H. Yang, J. Zhang, S. Luo, and X. Chen. 2011. Ecological mechanisms underlying the sustainability of the agricultural heritage rice–fish co-culture system. *Proceedings of the National Academy of Sciences* 108: 1381–1387.
- Young, A. 1989. The environmental basis of agroforestry. In W. S. Reifsnyder and T. O. Darnhofer (eds.), *Meteorology and Agroforestry*. pp. 29–48. International Council for Research in Agroforestry: Nairobi, Kenya.
- Zelitch, I. 1971. *Photosynthesis, Photorespiration, and Plant Productivity*. Academic Press: New York.
- Zerbe, L. 2011. USDA to OK genetically modified alfalfa; Goodbye organic dairy, honey, and grass fed beef. *Rodale News*. 11 Jan 2011.
- Zhang, J. E., G. M. Quan, Z. X. Huang, S. M. Luo, and Y. Ouyang. 2013. Evidence of duck-activity-induced anatomical structure change and lodging resistance of rice plant. *Agroecology and Sustainable Food Systems*. 37: 97–984.
- Zhao, X., H. Xu, P. Zhang, and Y. Bai. 2013. Distribution of soil moisture and salinity in shelterbelts and its relationship with groundwater level in extreme arid area, northwest of China. *Water and Environment Journal* 27: 453–461.
- Zhen, L. and J. K. Routray. 2003. Operational indicators for measuring agricultural sustainability in developing countries. *Environmental Management* 32: 34–46.
- Zhengfang, L. 1994. Energetic and ecological analysis of farming systems in Jiangsu Province, China. Presented at the 10th International Conference of the International Federation of Organic Agriculture Movements (IFOAM), Lincoln University, Lincoln, New Zealand, December 9–16.
- Zukalová, H. and J. Vašák. 2002. The role and effects of glucosinolates—a review. *Vrostlinna Výroba Agriculture* 48: 175–180.

