Further Reading

Below is a compendium of articles and books related to ecology, sustainability, food security, economics, systems thinking, energy security, and economic restoration. Resources are compiled into four general categories, though many fall into multiple categories due to natural complexity of economies. If there's a resource you'd like to see on this list, send a full citation and a 1-line description to info@economicrestoration.org.

Economics, Industry, and Business
Agriculture, Water, Energy, and Food Security
Ecology, Succession, and Systems Thinking
Waste-to-Resources, Environmental Sciences, Sustainability, and Circularity

Economics, Industry, and Business

Arrighi, G. 2010. *The Long Twentieth Century: Money, Power, and the Origins of our Time.* Verso Books.

Autor, D., Dorn, D., and Hanson, G.H. 2021. *On the Persistence of the China Shock*. National Bureau of Economic Research. Working Paper 29401. http://www.nber.org/papers/w29401. DOI 10.3386/w29401.

BEA. 2019. *Industry Economic Accounts*. U.S. Department of Commerce, Bureau of Economic Analysis, https://apps.bea.gov/iTable/index_industry_gdpIndy.cfm.

Bivens, J. 2019. *Updated employment multipliers for the U.S. economy*. Economic Policy Institute. https://files.epi.org/pdf/160282.pdf

BLS. 2021. *The U.S. productivity slowdown: an economy-wide and industry-level analysis.* U.S. Bureau of Labor Statistics. Accessed March 8, 2023. https://www.bls.gov/opub/mlr/2021/article/the-us-productivity-slowdown-the-economy-wide-and-industry-level-analysis.htm.

BLS. 2023. *Real Earnings News Release*. March 14, 2023. U.S. Bureau of Labor Statistics, Division of Current Employment Statistics, WA DC. https://www.bls.gov/news.release/realer.htm#.

Braudel, F. 1984. *Civilization and Capitalism, 15th-18th Century: The perspective of the world*. Harper & Row.

Brown, L. and Greenbaum, R.T. 2017. The role of industrial diversity in economic resilience: An empirical examination across 35 years. *Urban Studies, 54*(6), 1347–1366. DOI: 10.1177/0042098015624870.

CRS. 2020. *Real Wage Trends, 1979 to 2019*. U.S. Congressional Research Service. CRS Reports, R45090. https://crsreports.congress.gov.

Daly, H. 1991. *Steady State Economics* (2nd ed.). Island Press.

de Zwart, P., van Leeuwen, B., and van Leeuwen-Li, J. 2014. *Real wages since 1820*. In van Zanden, J.L. et al. (Eds.), How Was Life?: Global Well-being since 1820. OECD Publishing. http://dx.doi.org/10.1787/9789264214262-8-en.

Desilver, D. 2018. *For most U.S. workers, real wages have barely budged in decades*. Pew Research Center. https://www.pewresearch.org/fact-tank/2018/08/07/for-most-us-workers-real-wages-have-barely-budged-for-decades/.

Dissart, J.-C. 2003. Regional Economic Diversity and Regional Economic Stability: Research Results and Agenda. *International Regional Science Review, 26*(4), 423-446. DOI: 10.1177/0160017603259083.

Eliasson, G. 1991. Deregulation, Innovative Entry and Structural Diversity as a Source of Stable and Rapid Economic Growth. *Journal of Evolutionary Economics, 1*, 49–63.

Eliasson, G., Johansson, D., and Taymaz, E. 1995. Chapter VI: Firm Turnover and the Rate of Macro Economic Growth - simulating the macroeconomic effects of Schumpeterian creative destruction. In: Eliasson, G. (Ed.), *The Birth, the Life, and the Death of Firms: the role of Entrepreneurship, Creative Destruction and Conservative Institutions in a Growing and Experimentally Organized Economy*. Ratio, 2005.

Feldman, M., and Audretsch, D. 1999. Innovation in Cities: Science-Based Diversity, Specialization and Localized Competition. *European Economic Review*, *43*(2), 409-429.

Felix, A. 2012. *Industrial Diversity, Growth, and Volatility in the Seven States of the Tenth District*. Federal Reserve Bank of Kansas City. https://www.kansascityfed.org/.

Fliedner, G., & Vokurka, R.J. (1997). Agility: Competitive Weapon of the 1990s and Beyond. *Production and Inventory Management Journal, 38*(3), 19–24.

Forrester, J.W. 1961. *Industrial Dynamics*. Martino Publishing.

Godfrey, P.C. (2008). What is Economic Self-Reliance. Journal of Microfinance / ESR Review, 10(1, Article 3). https://scholarsarchive.byu.edu/cgi/viewcontent.cgi?article=1152&context=esr

Gould, E. 2020. "State of Working America Wages 2019: A story of slow, uneven, and unequal wage growth over the last 40 years." *Economic Policy Institute*. https://www.epi.org/publication/swa-wages-2019/.

Greenspan, A. 2007. *The Age of Turbulence.* Penguin Press.

Gunaruwan, L.T., and Wickremeratne, N. 2018. Sri Lankan Economic Sovereignty: Insights of Potentially Alarming Trends. *Sri Lanka Journal of Economic Research*, *6*(1), 111-124. SLJER.06.01.05. Sri Lanka Forum of University Economists. Note: surname misspelled as Gunuruwan in article.

Haltiwanger, J.C., Jarmin, R.S., and Miranda, J. 2010. *Who Creates Jobs? Small vs. Large vs. Young*. NBER Working Paper no. 16300.

Hidalgo, C.A. and Hausmann, R. 2009. The building blocks of economic complexity. *PNAS*, 106(26), 10570-10575 www.pnas.org/cgi/doi/10.1073/pnas.0900943106.

Jacobs, J. 1969. *The Economy of Cities*. Random House, New York.

Lupera-Martínez, M., and Zambrano-Farías, I.P. 2018. La puerta abierta "30 años de aventura misionera y social en Salinas de Bolívar Ecuador": Análisis y Revisión. *RECIAMUC*, *2*(1), 151-165. https://doi.org/10.26820/reciamuc/2.1.2018.151-165.

Macrotrends. 2020. *U.S. Per Capita GDP 1960-2021*. Macrotrends. https://www.macrotrends.net/countries/USA/united-states/gdp-per-capita.

Marshall, A.M. 2011. *Industry and Trade: Two Volumes in One*. Cosimo Classics. (Original work published in 1919).

McLaughlin, G.E. 1930. Industrial diversification in American cities. *Quarterly Journal of Economics*, *45*, 131–149. https://doi.org/10.2307/1882529.

NAICS. 2022. North American Industry Classification System. United States. 2022. Executive office of the president, office of management and budget.

North, D. 1692. *Discourses Upon Trade*. The Johns Hopkins Press.

OECD/WTO. 2019. Economic Diversification—Lessons from Practice. In, *Aid for Trade at a Glance 2019: Economic Diversification and Empowerment*, pp 135-160. OECD Publishing. https://doi.org/10.1787/18ea27d8-en.

Ortega-Argiles, R. and McCann, P. 2021. "The Innovation-Productivity Paradox." Background paper for the OECD-EC High-Level Expert Workshop Series "Productivity Policy for Places," March 3 and 5, 2021.

Pew Research Center. 2008. *Who Wants to be Rich?* Pew Research Center, Social and Demographic Trends Project. https://www.pewsocialtrends.org/2008/04/30/who-wants-to-be-rich/.

Piketty, T. 2014. *Capital in the Twenty-First Century*. Translated by Arthur Goldhammer. Harvard University Press.

Ricardo, D. 2004. *The Principles of Political Economy and Taxation*. Dover Publications. (Original work published in 1817).

Rodrigue, J-P. 2020. *The Geography of Transport Systems*, 5th Edition. Routledge.

Romer, P.M. 1994. The Origins of Endogenous Growth. *The Journal of Economic Perspectives*, *8*(1), 3–22. doi:10.1257/jep.8.1.3. JSTOR 2138148.

Schumpeter, J. A. 1950. *Capitalism, Socialism, and Democracy* (3rd Ed.). Harper and Brothers.

Schumpeter, J. A. 1934. *The Theory of Economic Development: An Inquiry into Profits, Capital, Credit, Interest, and the Business Cycle*. Harvard University Press.

Smith, A. 2019. *The Wealth of Nations* (5th ed.). Ixia Press. (Original work published in 1776).

Spash, C.L. 2017. *Routledge Handbook of Ecological Economics: Nature and Society*. Routledge.

Spufford, P. 2002. *Power and Profit: The Merchant in Medieval Europe*. Thames & Hudson, Inc.

Statista. 2022. Share of value added to the Gross Domestic Product (GDP) of the United States in 2021, by industry. *Statista*, Dec. 16, 2022. https://www.statista.com/statistics/248004/percentage-added-to-the-us-gdp-by-industry/.

Stiglitz, J. 2002. *Globalization and its Discontents*. W.W. Norton & Company.

Stiglitz, J. 2015a. *Trickle down economics has failed: Stiglitz*. CNBC, April 22, 2015. https://www.cnbc.com/2015/04/22/trickle-down-economics-has-failed-stiglitz.html.

Stiglitz, J. 2015b. *The Great Divide. Unequal Societies And What We Can Do About Them.* W.W. Norton and Company Inc.

Tran, H.P.D. 2011. *Industrial Diversity and Economic Performance: A Spatial Analysis*. Dissertations, Theses, and Student Research from the College of Business. University of Nebraska, Lincoln. https://digitalcommons.unl.edu/businessdiss/19

UNCTAD. 2022. *Evolution of the World's 25 top trading nations*. United Nations Conference on Trade and Development, Dec. 11, 2022. https://unctad.org/topic/trade-analysis/chart-10-may-2021.

U.S. Census Bureau. 1930. *1930 Census: Manufactures, 1929 Volume 2. Reports by Industries*. U.S. Census Bureau, Produced 1933. https://www.census.gov/library/publications/1933/dec/1930f-vol-02-manufactures.html.

Wessel, D. 2007. Why Economists are Still Grasping to Cure Global Poverty. *The Wall Street Journal*. Section A7. https://www.wsj.com/articles/SB116845440351672808.

Wisconsin Historical Society. 2020. *Paper Industry in Wisconsin*. Wisconsin Historical Society. https://www.wisconsinhistory.org/Records/Article/CS2055.

Agriculture, Water, Energy, and Food Security

Batrawy, A. 2022. Germany's decision to burn coal this winter 'a hard pill to swallow,' climate envoy says. *Fortune.com, Sept 20, 2022*. https://fortune.com/2022/09/20/germany-coal-power-plants-russian-war-ukraine-energy-crisis-jennifer-morgan/.

Bechtel, W. 2014. *Shipping Cattle to the Mainland*. Drovers, Dec 06, 2014. https://www.drovers.com/news/shipping-cattle-mainland.

BP. 2021. *Statistical Review of World Energy*. BP. https://www.bp.com/en/global/corporate/energy-economics/statistical-review-of-world-energy.html.

Brown, G. 2018. *Dirt to Soil: One Family's Journey into Regenerative Agriculture*. Chelsea Green Publishing.

Cambardella, C., Elgersma, K., Giddens, E., Myers, M., Sherrard, M. Smith, D. 2016. Prairie Power Project: Determining Maximum Sustainable Production of Biomass with a Mixture of Prairie Species. University of Northern Iowa, Tallgrass Prairie Center. https://tallgrassprairiecenter.org/sites/default/files/prairie_power_project_final_report_10-14-15.pdf.

Dreibus, T. 2019. *Farmers got Older, Income Fell, Ag Census Shows*. Successful Farming. https://www.agriculture.com/news/business/farmers-got-older-income-fell-ag-census-data-shows.

EIA. 2020. *Use of Energy Explained: Energy use for transportation*. U.S. Energy Information Administration. https://www.eia.gov/energyexplained/use-of-energy/transportation.php.

FAO. 2019. *The State of Food Security and Nutrition in the World 2019*. *Safeguarding against economic slowdowns and downturns*. Food and Agriculture Organization of the United Nations. https://www.wfp.org/publications/2019-state-food-security-and-nutrition-world-sofi-safeguarding-against-economic.

Foley, J. 2013. *It's Time to Rethink America's Corn System*. Scientific American. https://www.scientificamerican.com/article/time-to-rethink-corn.

Fort Collins Gov. 2021. *Green Energy Program*. Fort Collins Utilities public information. August 12, 2021. https://www.fcgov.com/utilities/residential/renewables/green-energy/.

Grimes, A., Loomis, S., Jahnige, P., Burnham, M., Onthank, K., Alarcon, R., … Mendelsohn, R. (1994). Valuing the Rain Forest: The Economic Value of Nontimber Forest Products in Ecuador. *Ambio, 23*(7), 405-410.

Hill, H. 2008. "Food Miles: Background and Marketing." National Sustainable Agriculture Information Service, March 2023. https://attra.ncat.org/publication/food-miles-background-and-marketing/.

IEA. 2020. *Key World Energy Statistics 2020*. International Energy Agency. Dec 22, 2022. https://www.iea.org/reports/key-world-energy-statistics-2020.

Lo, J. 2022. "Sri Lanka can't afford fossil fuels but can't afford to get off them either." *Climate Home News,* July 28, 2022. https://www.climatechangenews.com/.

Lotka, A.J. 1922. Contributions to the energetics of evolution. *Proc. Natl. Acad. Sci. U.S.A., 8*(6), 147–151.

Lovins, A. 2014. "Reinventing Fire: Physics + Markets = Energy Solutions." *Rocky Mountain Institute*. www.rmi.org.

Mawatha, A.C. 2020. *Sri Lanka Energy Balance 2020*. Sri Lanka Sustainable Energy Authority. No. 72. ISSN: ISSN 2386-172X.

Montgomery, D. 2012. *Dirt: The Erosion of Civilizations*. University of California Press.

Nicholls, D.L., J.I. Zerbe, R.D. Bergman, and Crimp, P.M. 2004. Use of Wood Energy for Lumber Drying and Community Heating in Southeast Alaska. U.S. Department of Agriculture. General Technical Report FPL–GTR–152.

Odum, H.T. 1973. Energy in Society: A Special Issue (1973) *Ambio*, *2*(6), 220-227. https://www.jstor.org/stable/4312030.

Pimentel, D., Harvey, C., Resosudarmo, P., Sinclair, K., Kurz, D., McNair, M. … Blair, R. (1995). Environmental and Economic Costs of Soil Erosion and Conservation Benefits. *Science, 267*(5201), 1117-1123.

RTS. 2021. "Food Waste in America in 2021: statistics and facts." *Recycle Track Systems*. https://www.rts.com/resources/guides/food-waste-america/.

Shepard, Mark. 2013. *Restoration Agriculture: real-world permaculture for farmers*. Acres USA.

Templet, P.H. 1996. The energy transition in international economic systems: an empirical analysis of change during development. *Int. J. Sustainable Dev. World Ecol. 3*, 1–18.

Templet, P.H. 1999. Energy, diversity and development in economic systems; an empirical analysis. *Ecological Economics*, *30*(2), 223-233.

Thaler, E.A., Larsena, I.J., and Yua, Q. 2021. The extent of soil loss across the U.S. Corn Belt. *PNAS, 118*(8). https://doi.org/10.1073/pnas.1922375118.

USDA. 2020. *Ag and Food Statistics: Charting the Essentials*. U.S. Department of Agriculture, Economic Research Service. Administrative Publication Number 083. https://www.ers.usda.gov/data-products/ag-and-food-statistics-charting-the-essentials/.

USDE. 2015. *Quadrennial Technology Review 2015 Chapter 6: Innovating Clean Energy Technologies in Advanced Manufacturing.* U.S. Department of Energy. https://www.energy.gov/sites/prod/files/2016/02/f30/QTR2015-6M-Waste-Heat-Recovery.pdf.

Zero Energy Project. (2020). *Leading the Way: Cities on the Path to Zero*. Zero Energy Project https://zeroenergyproject.org/advocate/cities-on-a-path-to-zero/

Ecology, Succession, and Systems Thinking

Bazzaz, F.A. 1979. Physiological ecology of plant succession. *Annual Review of Ecology and Systematics, 10*, 351-371.

Beever, E.A., Prange, S., and DellaSalla, D.A. 2020. *Disturbance Ecology and Biological Diversity: Scale, Context, and Nature*. CRC Press, Taylor & Francis Group.

Bertalanffy, L.V. 1969. *General System Theory: Foundations, Development, Applications*. George Braziller Inc.; Revised edition (March 17, 1969).

Biggs, C.R., Yeager, L.A., Bolser, D. G., … and Erisman, B.E. 2020. Does functional redundancy affect ecological stability and resilience? A review and meta-analysis. *Ecosphere, 11*(7). https://doi.org/10.1002/ecs2.3184.

Borer, E.T., Seabloom, E.W., and Tilman, D. 2012. Plant diversity controls arthropod biomass and temporal stability. *Ecology Letters, 15*, 1457–1464. doi: 10.1111/ele.12006.

Cadotte, M. 2013. *"Productivity increases with species diversity, just as Darwin predicted." ScienceDaily*. May 13, 2013. www.sciencedaily.com/releases/2013/05/130513152830.htm.

Capra, F., and Luisi, P.L. 2014. *The Systems View of Life: A Unifying Vision*. Cambridge University Press.

Cardinale, B.J., Wright, J.P., Cadotte, M.W., … and Weis, J.J. 2007. Impacts of plant diversity on biomass production increase through time because of species complementarity. *PNAS*, *104*(46), 18123–18128. https://www.pnas.org/content/pnas/104/46/18123.full.pdf.

Cleland, E.E. 2011. Biodiversity and Ecosystem Stability. *Nature Education Knowledge, 3*(10), 14.

Clements, F. E. 1936. Nature and structure of the climax. *Journal of Ecology, 24*, 252-84 (1936).

Connell, J.H. 1978. "Diversity in Tropical Rain Forests and Coral Reefs." Science, New Series, *199*(4335) 1302-1310.

Cowles, H. C. 1899. The ecological relations of the vegetation on the sand dunes of Lake Michigan. *Botanical Gazette,* 27, 95-117, 167-202, 281-308, 361-391.

Emery, F. 1969. *Systems Thinking*. Penguin.

Finn, J.T. 1976. Measures of ecosystem structure and function derived from analysis of flows. *Journal of Theoretical Biology*, *56*(2), 363-380. https://doi.org/10.1016/S0022-5193(76)80080-X.

Gleason, H.A. 1926. The individualistic concept of the plant association. *Bulletin of the Torrey Botanical Club, 53*, 7-26.

González-Moro, M.B., González-Moro I de la Peña, M., Estavillo, J.M., … and Vega-Mas, I. 2021. A Multi-Species Analysis Defines Anaplerotic Enzymes and Amides as Metabolic Markers for Ammonium Nutrition. *Front. Plant Sci. 11*, 632285. doi: 10.3389/fpls.2020.632285.

Gough, C.M., Curtis, P.S., Hardiman, B.S., Scheuermann, C.M., and Bond-Lamberty, B. 2016. Disturbance, complexity, and succession of net ecosystem production in North America's temperate deciduous forests. *Ecosphere*, *7*(6). https://doi.org/10.1002/ecs2.1375.

Hallman, C.A., Ssymankb, A., Sorgc, M., de Kroona, H., and Jongejansa, E. 2021. Insect biomass decline scaled to species diversity: General patterns derived from a hoverfly community. *PNAS, 118*(2). https://doi.org/10.1073/pnas.2002554117

Hannon, B. 1973. The Structure of Ecosystems. *Journal of Theoretical Biology*, *41* (3), 535-546. https://doi.org/10.1016/0022-5193(73)90060-X.

Hannon, B., Costanza, R., and Ulanowicz, R. 1991. A General Accounting Framework for Ecological Systems. *Theoretical Population Biology*, *40*, 78-104.

Harner, R.F., and Harper, K.T. 1976. The Role of Area, Heterogeneity, and Favorability in Plant Species Diversity of Pinyon-Juniper Ecosystems. *Ecology*, *57*(6), 1254-1263. https://doi.org/10.2307/1935049.

Huston, M.A. 1995. *Biological diversity: the coexistence of species on changing landscapes*. Cambridge university press.

Hodapp, D., Hillebrand, H., and Striebel, M. 2019. "Unifying" the Concept of Resource Use Efficiency in Ecology. *Front. Ecol. Evol., 6.* https://doi.org/10.3389/fevo.2018.00233.
Grime, J.P. 1979. *Plant strategies and vegetation processes*. John Wiley and Sons.

Kira, T., and Shedei, T. 1967. Primary production and turnover of organic matter in different forest eco-systems of the Western Pacific. *Japanese Journal of Ecology, 17*, 70–87. DOI:10.18960/SEITAI.17.2_70.

Leach, A.J. 1909. *A History of Antelope County Nebraska: From its first settlement in 1868 to the close of the year 1883*. The
Lakeside Press. R.R. Donnelley & Sons Company.

Loranger, J., Violle, C., Shipley, B., … and Garnier, E. 2016. Recasting the dynamic equilibrium model through a functional lens: the interplay of trait-based community assembly and climate. *Journal of Ecology*, *104*, 781-791. doi: 10.1111/1365-2745.12536.

Lotka, A.J. 1922. Natural selection as a physical principle. *Proc. Natl. Acad. Sci. U.S.A., 8*(6), 151–154.

Lovett, G.M., Cole, J.J., and Pace, M.L. 2006. Is Net Ecosystem Production Equal to Ecosystem Carbon Accumulation? *Ecosystems, 9*, 152–155. doi: 10.1007/s10021-005-0036-3.

Midolo, G., Alkemade, R., Schipper, A.M., … and De Vries, W. 2019. Impacts of nitrogen addition on plant species richness and abundance: A global meta-analysis. *Global Ecol Biogeogr*, *(28)*3, 398–413. https://doi.org/10.1111/geb.12856.

Moretti, M., P. Duelli, and Obrist, M.K. 2006. Biodiversity and resilience of arthropod communities after fire disturbance in temperate forests. *Oecologia, 149*, 312–327. doi: 10.1007/s00442-006-0450-z.

NASEM. 1991. *Science, Medicine, and Animals*. National Academies of Sciences, Engineering, and Medicine. Washington, DC: The National Academies Press. https://doi.org/10.17226/10089.

NGSS Lead States. 2013. Next Generation Science Standards: For States, by States. Achieve, Inc. on Behalf of the Twenty-Six States and Partners That Collaborated on the NGSS, 1–103. doi: 10.17226/18930.

Nijs, I., and Impens, I. 2000. Underlying effects of resource use efficiency in diversity-productivity relationships. *Oikos, 91*(1), 204-208. https://doi.org/10.1034/j.1600-0706.2000.910120.x

Odum, H.T. 1957. Trophic Structure and Productivity of Silver Springs, Florida. *Ecological Monographs, 27*(1), 55-112. https://doi.org/10.2307/1948571.

Odum, E.P. 1969. Strategy of ecosystem development: An understanding of ecological succession provides a basis for resolving man's conflict with nature. *Science, 164*(3877), 262–270. DOI: 10.1126/science.164.3877.2.

Odum, H.T. and Odum, B. 2003. Concepts and methods of ecological engineering. *Ecological Engineering, 20*, 339–361.

Oliver, T.H., M.S. Heard, N.J.B. Isaac… and Bullock, J.M. 2015. Biodiversity and Resilience of Ecosystem Functions. *Trends in Ecology and Evolution*, *30*(11), 673-684. http://dx.doi.org/10.1016/j.tree.2015.08.009.

Omernik, J.M. 1987. Ecoregions of the Conterminous United States (map supplement). *Annals of the Association of American Geographers*, 77(1), 118-125. https://doi.org/10.1111/j.1467-8306.1987.tb00.

Ontl, T.A., and Schulte, L.A. 2012. Soil Carbon Storage. *Nature Education Knowledge*, *3*(10),35.

Saupe, E.E., Myers, C.E., Peterson, T.A., … and Qiao, H. 2019. Spatio-temporal climate change contributes to latitudinal diversity gradients. *Nature Ecology and Evolution, 3*, 1419–1429. https://doi.org/10.1038/s41559-019-0962-7.

Semeraro, T., Turco, A., Arzeni, S. … and Medagli, P. 2021. Habitat Restoration: An Applicative Approach to "Biodiversity Heritage Relicts" in Social-Ecological Systems. *Land*, *10*(9), 898. https://doi.org/10.3390/land10090898.

Scheiner, S.M. 1992. Measuring Pattern Diversity. *Ecology*, *73*(5), 1860-1867. https://doi.org/10.2307/1940037.

Schuldt, A., Assmann, T., Brezzi, M. …. and Bruelheide, H. 2018. Biodiversity across trophic levels drives multifunctionality in highly diverse forests. *Nature Communications, 9*, 2989. https://doi.org/10.1038/s41467-018-05421-z.

Shannon, C.E. 1948. The Mathematical Theory of Communication. *Bell Labs Technical Journal*, *27*(3), 379-423. https://doi.org/10.1002/j.1538-7305.1948.tb01338.x.

Shurin, J.B., Gruner, D.S., and Hillebrand, H. 2006. All wet or dried up? Real differences between aquatic and terrestrial food webs. *Proc. R. Soc. B, 273*, 1–9. doi:10.1098/rspb.2005.3377.

Simard, S.W. 2018. Mycorrhizal Networks Facilitate Tree Communication, Learning, and Memory. In: Baluska et al. (Eds.), *Memory and Learning in Plants, Signaling and Communication in Plants*. Springer International Publishing AG. https://doi.org/10.1007/978-3-319-75596-0_10.

Sodhi, N.S., B.W. Brook, and C.J.A. Bradshaw. 2009. Causes and Consequences of Species Extinctions. Page 515. In book: *The Princeton Guide to Ecology*, Chapter: V.1. Editors: S. A. Levin, S. R. Carpenter, H.C.J. Godfray, A.P. Kinzing, Michel Loreau, J.B. Losos, B. Walker, David S. Wilcove. Publisher: Princeton University Press. DOI: 10.1515/9781400833023.514. December, 2009. https://assets.press.princeton.edu/chapters/s5_8879.pdf.

Soons, M.B., Heftinga, M.M., Dorland, E., Lamers, L.P.M., Versteeg, C., and Bobbink, R. 2017. Nitrogen effects on plant species richness in herbaceous communities are more widespread and stronger than those of phosphorus. *Biological Conservation, 212*, 390–397.

Tang, J., Luyssaert, S., Richardson, A.D., Kutsch, W., and Janssens, I.A. 2014. Steeper declines in forest photosynthesis than respiration explain age-driven decreases in forest growth. *Proc Natl Acad Sci USA*, *111*(24), 8856-8860. doi:10.1073/pnas.1320761111.

Tilman, G.D. 1985. The resource-ratio hypothesis of plant succession. *American Naturalist, 125*(6), 827-852.

Tilman, G.D., Knops, J., Wedin, D., … and Siemann, E. 1997. The influence of functional diversity and composition on ecosystem processes. *Science*, (277)5330, 1300–1302.

Tilman, D. 1999. The ecological consequences of changes in biodiversity: A search for general principles. *Ecology*, *80*(5), 1455–1474.

Urban, D.L., O'Neill, R.V., and Shugart Jr., H.H. 1987. A hierarchical perspective can help scientists understand spatial patterns. *BioScience, 37*(2), 119-127.

Verhoeff R.P., Knippels M.C.P.J., Gilissen, M.G.R. and Boersma, K.T. 2018. The Theoretical Nature of Systems Thinking. Perspectives on Systems Thinking in Biology Education. *Front. Educ*., *3*(40). doi: 10.3389/feduc.2018.00040.

Welti, E., Helzer, C., and Joern, A. 2017. Impacts of plant diversity on arthropod communities and plant-herbivore network architecture. *Ecosphere*, *8*(10). doi: 10.1002/ecs2.1983.

Whittaker, R.H., and Levin, S.A. 1977. The Role of Mosaic Phenomena in Natural Communities. *Theoretical Population Biology*, *12*(2), 117-I39.

Wilson, E.O. 1992. *The Diversity of Life*. W W Norton & Co Inc.

Wright, D.H. 1983. Species-Energy Theory: An Extension of Species-Area Theory. *Oikos, 41*(3), 496-506. doi: 10.2307/3544109.

Waste-to-Resources, Environmental Sciences, Sustainability, and Circularity

Birkhofer, K., Diehl, E., Andersson, J., … and Smith, H.G. 2015. Ecosystem services—current challenges and opportunities for ecological research. *Front. Ecol. Evol*., Jan 12, 2015. Sec. Agroecology. https://doi.org/10.3389/fevo.2014.00087.

Cline, E.H. 2014. *1177 B.C.: The Year Civilization Collapsed*. Princeton University Press.

Costanza, R., Daly, H.E., and Bartholomew, J.A. 1991. Goals, Agenda, and Policy Recommendations for Ecological Economics. In, Ed. Robert Costanza, *Ecological Economics: The Science and Management of Sustainability*.

Försterling, G., Orth, R., and Gellert, B. 2023. Transition to a Circular Economy in Europe through New Business Models: Barriers, Drivers, and Policy Making. *Sustainability* 2023, 15, 8212. https://doi.org/ 10.3390/su15108212.

Giordanengo, J.H. 2022. *Ecosystems as Models for Restoring Our Economies*. Economic Restoration Services. https://www.economicrestoration.org.

Goldstein, J., Electris, C., & Morris, J. (2011). *More Jobs, Less Pollution: Growing the Recycling Economy in the U.S.* NRDC. https://www.nrdc.org/sites/default/files/glo_11111401a_0.pdf

Husgafvel, R. and Sakaguchi, D. 2023. Circular Economy Development in The Wood Construction Sector in Finland. *Sustainability* 2023, 15, 7871. https://doi.org/10.3390/su15107871.

Institute for Local Self-Reliance. (2003, September). *The Economic Impact of Locally Owned Businesses vs. Chains A Case Study in Midcoast Maine*. Independent We Stand. https://www.independentwestand.org/wp-content/uploads/midcoaststudy-1.pdf

Kirchherr, J., Reike, D., and Hekkert, M. 2017. Conceptualizing the circular economy: An analysis of 114 definitions. *Resour. Conserv. Recycl* 2017, 127, 221–232.

McDonough, W., and Braungart, M. 2002. *Cradle to Cradle: Remaking the Way We Make Things*. North Point Press.

New Belgium. 2021. "Climate: Our commitments." New Belgium Brewing. https://www.newbelgium.com/company/mission/climate/.

Pryor, S.C., Scavia, D., Downer, C., … and Robertson, G.P. 2014. Ch. 18: Midwest. *Climate Change Impacts in the United States: The Third National Climate Assessment,* In J. M. Melillo, Terese (T.C.) Richmond, G. W. Yohe (Eds.), U.S. Global Change Research Program, 418-440*.* 2014. doi:10.7930/J0J1012N. https://nca2014.globalchange.gov/report/regions/midwest.

Tiseo, I. 2020. “Global recycling rates of municipal solid waste 2020, by select country.” *Statista.com*. Dec 21, 2022. https://www.statista.com/statistics/1052439/rate-of-msw-recycling-worldwide-by-key-country/.

United Nations. (1987). *Our Common Future.* Oxford University Press, 1987.

Weisman, A. 2008. *Gaviotas: A village to reinvent the world*. 2nd edition. Chelsea Green publishing.