

# BS3120: Population and Community Ecology

View Online



1.

Begon M, Mortimer M, Thompson DJ. Population Ecology: A Unified Study of Animals and Plants. 3rd ed. Oxford: Blackwell; 1996.

2.

Begon M, Mortimer M, Thompson DJ. Population Ecology: A Unified Study of Animals and Plants [Internet]. Oxford: Blackwell Science; 1996. Available from: <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=454322>

3.

Gotelli NJ. A Primer of Ecology. 4th ed. Sunderland, Mass: Sinauer Associates; 2008.

4.

Morin PJ. Community Ecology. 2nd ed. Chichester, West Sussex: Wiley; 2011.

5.

Morin PJ. Community Ecology [Internet]. Chichester: Wiley-Blackwell; 2011. Available from: <https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=697804>

6.

Gotelli NG. Chapter 1; Exponential Population Growth. In: A Primer of Ecology. 4th ed. Sunderland, Mass: Sinauer Associates; 2008.

7.

Begon M, Mortimer M, Thompson DJ. Intraspecific Competition. In: Population Ecology: A Unified Study of Animals and Plants. 3rd ed. Oxford: Blackwell; 1996. p. 28-51.

8.

Begon M, Mortimer M, Thompson DJ. Intraspecific Competition. In: Population Ecology: A Unified Study of Animals and Plants [Internet]. 3rd ed. Hoboken: Wiley; 1996. p. 28-51. Available from:  
<https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=454322>

9.

Gotelli NG. Chapter 2: Logistic Population Growth. In: A Primer of Ecology. 4th ed. Sunderland, Mass: Sinauer Associates; 2008.

10.

Begon M, Mortimer M, Thompson DJ. Intraspecific Competition. In: Population Ecology: A Unified Study of Animals and Plants. 3rd ed. Oxford: Blackwell; 1996. p. 28-51.

11.

Begon M, Mortimer M, Thompson DJ. Intraspecific Competition. In: Population Ecology: A Unified Study of Animals and Plants [Internet]. 3rd ed. Hoboken: Wiley; 1996. p. 28-51. Available from:  
<https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=454322>

12.

Benincà E, Huisman J. Chaos in a Long-Term Experiment With a Plankton Community. *Nature*. 2008;451(7180):822-5.

13.

Costantino RF, Cushing JM, Dennis B, Desharnais RA. Experimentally Induced Transitions in the Dynamic Behaviour of Insect Populations. *Nature*. 1995;375(6528):227–30.

14.

Rohani P, Earn DJD. Chaos in a Cup of Flour. *Trends in Ecology & Evolution*. 1997;12(5).

15.

Fryxell JM, Sinclair ARE, Caugley G. Wildlife Harvesting. In: *Wildlife Ecology, Conservation, and Management*. Third edition. Chichester, West Sussex: John Wiley & Sons; 2014. p. 325–46.

16.

Fryxell JM, R. E. Sinclair A, Caughley G. Wildlife Harvesting. In: *Wildlife Ecology, Conservation, and Management [Internet]*. Third edition. Chichester, West Sussex: Wiley Blackwell; 2014. p. 225–346. Available from:  
<https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=1701392>

17.

Ulrich C. Achieving Maximum Sustainable Yield in Mixed Fisheries: A Management Approach for the North Sea Demersal Fisheries. *ICES Journal of Marine Science: Journal du Conseil*. 2016;

18.

Gotelli NG. Exponential Population Growth. In: *A Primer of Ecology*. 4th ed. Sunderland, Mass: Sinauer Associates; 2008.

19.

Gotelli N. Competition. In: *A Primer of Ecology*. 4th ed. Sunderland, Mass: Sinauer Associates; 2008.

20.

Morin PJ. Competition: Mechanisms, Models and Niches. In: Community Ecology. 2nd ed. Chichester, West Sussex: Wiley; 2011. p. 24–33.

21.

Morin PJ. Competition: Mechanisms, Models and Niches. In: Community Ecology [Internet]. Chichester: Wiley-Blackwell; 2011. p. 24–57. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=697804>

22.

Morin PJ. Competition: Experiments, Observations and Null Models. In: Community Ecology. 2nd ed. Chichester, West Sussex: Wiley; 2011. p. 58–84.

23.

Morin PJ. Competition: Experiments, Observations and Null Models. In: Community Ecology [Internet]. Chichester: Wiley-Blackwell; 2011. p. 58–89. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=697804>

24.

Gause GF. Competition for Food in Protozoa. In: The Struggle for Existence [Internet]. Mineola, NY: Dover Publications; 2003. Available from: <https://web.p.ebscohost.com/ehost/detail/detail?vid=0&sid=aaea588d-a0e6-40db-83d4-d9c9723e23d8%40redis&bdata=JnNpdGU9ZWWhvc3QtbGl2ZQ%3d%3d#AN=2265850&db=nlebk>

25.

Scheffer M, Szabó S. Floating Plant Dominance as a Stable State. Proceedings of the National Academy of Sciences of the United States of America [Internet]. 2003;100(7):4040–5. Available from: <http://www.jstor.org/stable/3148736>

26.

Adam ME, Lewis JW. The Lack of Co-Existence Between *Planorbis* and *Physa* (Gastropoda: Pulmonata). *Journal of Molluscan Studies*. 1992;58(2):227-8.

27.

Begon M, Mortimer M, Thompson DJ. Beyond Population Ecology. In: *Population Ecology: A Unified Study of Animals and Plants*. 3rd ed. Oxford: Blackwell; 1996. p. 77-116.

28.

Begon M, Mortimer M, Thompson DJ. Interspecific Competition. In: *Population Ecology: A Unified Study of Animals and Plants* [Internet]. 3rd ed. Hoboken: Wiley; 1996. p. 77-116. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=454322>

29.

Ives AR, Einarsson Á, Jansen VAA, Gardarsson A. High-Amplitude Fluctuations and Alternative Dynamical States of Midges in Lake Myvatn. *Nature*. 2008;452(7183):84-7.

30.

Bryden J, Gill RJ, Mitton RAA, Raine NE, Jansen VAA. Chronic Sublethal Stress Causes Bee Colony Failure. *Ecology Letters*. 2013;16(12):1463-9.

31.

Morin PJ. Indirect Effects. In: *Community Ecology*. 2nd ed. Chichester, West Sussex: Wiley; 2011. p. 187-203.

32.

Morin PJ. Indirect Effects. In: *Community Ecology* [Internet]. Chichester: Wiley-Blackwell; 2011. p. 187-212. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=697804>

33.

Bonsall MB, Hassell MP. Apparent Competition Structures Ecological Assemblages. *Nature*. 1997;388(6640):371-3.

34.

Morris RJ, Lewis OT, Godfray HCJ. Experimental Evidence for Apparent Competition in a Tropical Forest Food Web. *Nature*. 2004;428(6980):310-3.

35.

Mumby PJ, Steneck RS, Hastings A. Evidence for and Against the Existence of Alternate Attractors on Coral Reefs. *Oikos*. 2013;122(4):481-91.

36.

Mumby PJ, Hastings A, Edwards HJ. Thresholds and the Resilience of Caribbean Coral Reefs. *Nature*. 2007;450(7166):98-101.

37.

Scheffer M, Carpenter S, Foley JA, Folke C, Walker B. Catastrophic Shifts in Ecosystems. *Nature*. 2001;413(6856):591-6.

38.

Begon M. Beyond Population Ecology. In: *Population Ecology: A Unified Study of Animals and Plants*. 3rd ed. Oxford: Blackwell Science; 1996.

39.

Begon M. Beyond Population Ecology. In: *Population Ecology* [Internet]. Oxford: Blackwell Science; 1996. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=454322>

40.

Gutierrez RJ. Applying Metapopulation Theory to Spotted Owl Management: A History and a Critique. In: *Metapopulations and Wildlife Conservation*. Washington, D.C.: Island Press; 1996.

41.

Gotelli NG. *Metapopulation Dynamics*. In: *A Primer of Ecology*. 4th ed. Sunderland, Mass: Sinauer Associates; 2008.

42.

Noon BR, McKelvey KS. Management of the Spotted Owl: A Case History in Conservation Biology. *Annual Review of Ecology and Systematics*. 1996;27(1):135–62.

43.

Hanski I. *Metapopulation Ecology*. Oxford: Oxford University Press; 1999.

44.

Dudgeon SR. Phase Shifts and Stable States on Coral Reefs. *Marine Ecology Progress Series* [Internet]. 2010;413. Available from: <https://www.jstor.org/stable/24875190>

45.

Sims DW. Scaling Laws of Marine Predator Search Behaviour. *Nature*. 2008;451(7182):1098–102.

46.

Humphries NE. Environmental Context Explains Lévy and Brownian Movement Patterns of Marine Predators. *Nature*. 2010;465(7301):1066–9.

47.

Jager M de. Lévy Walks Evolve Through Interaction Between Movement and Environmental Complexity. *Science* [Internet]. 2011;332(6037). Available from: <https://www.jstor.org/stable/27978112>

48.

Jansen VAA, Mashanova A, Petrovskii S. Comment on 'Levy Walks Evolve Through Interaction Between Movement and Environmental Complexity'. *Science*. 2012;335(6071):918-918.

49.

Gotelli N. Predation. In: *A Primer of Ecology*. 4th ed. Sunderland, Mass: Sinauer Associates; 2008.

50.

Morin PJ. Predation and Communities. In: *Community Ecology*. 2nd ed. Chichester, West Sussex: Wiley; 2011.

51.

Morin PJ. Predation and Communities. In: *Community Ecology* [Internet]. Chichester: Wiley-Blackwell; 2011. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=697804>

52.

Morin PJ. Models of Predation in Simple Communities. In: *Community Ecology*. 2nd ed. Chichester, West Sussex: Wiley; 2011.

53.

Morin PJ. Models of Predation in Simple Communities. In: *Community Ecology* [Internet]. Chichester: Wiley-Blackwell; 2011. p. 120-35. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=697804>



54.

Morin PJ. Spatial Dynamics, Recruitment Limited Patterns and Island Biogeography. In: Community Ecology. 2nd ed. Chichester, West Sussex: Wiley; 2011. p. 251–68.

55.

Morin PJ. Spatial Dynamics, Recruitment Limited Patterns and Island Biogeography. In: Community Ecology [Internet]. Chichester: Wiley-Blackwell; 2011. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=697804>

56.

Hassell MP, Comins HN, Mayt RM. Spatial Structure and Chaos in Insect Population Dynamics. *Nature*. 1991;353(6341):255–8.

57.

Ellner SP, McCauley E. Habitat Structure and Population Persistence in an Experimental Community. *Nature*. 2001;412(6846):538–43.

58.

Scherer A. Mathematical Models of Vaccination. *British Medical Bulletin*. 2002;62(1):187–99.

59.

Louz D, Bergmans HE, Loos BP, Hoeben RC. Emergence of Viral Diseases: Mathematical Modeling as a Tool for Infection Control, Policy and Decision Making. *Critical Reviews in Microbiology*. 2010;36(3):195–211.

60.

Earn DJD, Dushoff J, Levin SA. Ecology and Evolution of the Flu. *Trends in Ecology & Evolution*. 2002;17(7):334–40.

61.

Girard MP, Tam JS, Assossou OM, Kieny MP. The 2009 a (H1N1) Influenza Virus Pandemic: A Review. *Vaccine*. 2010;28(31):4895–902.

62.

Facts About Ebola | World Health Organisation [Internet]. Available from: <http://www.who.int/mediacentre/factsheets/fs103/en/>

63.

Cohen J. Congo Rapidly Curtails Ebola. *Science*. 2018;361(6399):211–2.

64.

WHO Information on Avian Flu | World Health Organisation [Internet]. Available from: [http://www.who.int/mediacentre/factsheets/avian\\_influenza/en/](http://www.who.int/mediacentre/factsheets/avian_influenza/en/)

65.

WHO Information on Swine Flu | World Health Organisation [Internet]. Available from: <http://www.who.int/csr/disease/swineflu/en/>

66.

UK Contingency Plan for Pandemic Flu | Gov.uk [Internet]. Public Health England; 2013. Available from: <https://www.gov.uk/government/collections/pandemic-flu-public-health-response>

67.

Ferguson NM, Cummings DAT, Cauchemez S, Fraser C, Riley S, Meeyai A, et al. Strategies for Containing an Emerging Influenza Pandemic in Southeast Asia. *Nature*. 2005;437(7056):209–14.

68.

Ferguson NM. Strategies for Mitigating an Influenza Pandemic. *Nature*. 2006;442(7101):448-52.

69.

Jansen VAA. Measles Outbreaks in a Population With Declining Vaccine Uptake. *Science* [Internet]. 2003;301(5634). Available from: <https://www.jstor.org/stable/3834928>

70.

Lawton JH. Are there general laws in ecology? *Journal of Applied Ecology*. 1999;84.

71.

Humboldt's legacy. *Ecology Letters*. 2019;3(10):1265-6.

72.

Connell JH. The Influence of Interspecific Competition and Other Factors on the Distribution of the Barnacle *Chthamalus Stellatus*. *Oikos*. 1961;42(4).

73.

G. E. Hutchinson GE. Homage to Santa Rosalia or Why Are There So Many Kinds of Animals? *Soil Biology and Biochemistry*. 1959;93(1):145-59.

74.

Anne E. M. Measuring Biological Diversity [Internet]. *Measuring Biological Diversity*. 2013. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/reader.action?docID=428037&ppg=1>

75.

Kulmatiski A, Beard KH, Stevens JR. Plant-Soil Feedbacks: A Meta-Analytical Review. *Ecology Letters*. 2008;11(9):980–92.

76.

Mora C, Tittensor DP. How Many Species Are There on Earth and in the Ocean? *PLoS Biology*. 2011;9(8).

77.

Hillebrand H. On the Generality of the Latitudinal Diversity Gradient. *The American Naturalist*. 2004;163(2):192–211.

78.

Jablonski D, Roy K, Valentine JW. Out of the Tropics: Evolutionary Dynamics of the Latitudinal Diversity Gradient. *Science*. 2006;314(5796):102–6.

79.

Tedersoo L. Global Diversity and Geography of Soil Fungi. *Science*. 2014;346(6213):1256688–1256688.

80.

Gaston KJ. Abundance-Occupancy Relationships. *Journal of Applied Ecology*. 2000;37(s1):39–59.

81.

Holt AR, Gaston KJ. Interspecific Abundance-Occupancy Relationships of British Mammals and Birds: Is It Possible to Explain the Residual Variation? *Global Ecology and Biogeography*. 2003;12(1):37–46.

82.

Lennon JJ, Koleff P, Greenwood JJD, Gaston KJ. Contribution of Rarity and Commonness to

Patterns of Species Richness. *Ecology Letters*. 2003;7(2):81-7.

83.

Gaston K, Fuller R. Commonness, Population Depletion and Conservation Biology. *Trends in Ecology & Evolution*. 2008;23(1):14-9.

84.

The State of Nature Report.

85.

The State of Nature Report. 2016;

86.

The State of The UK's Birds | The RSPB [Internet]. Available from:  
<https://www.rspb.org.uk/our-work/conservation/centre-for-conservation-science/state-of-the-uks-birds/>

87.

Johnson KH. Biodiversity and the Productivity and Stability of Ecosystems. *Trends in Ecology & Evolution*. 1996;11(9):372-7.

88.

Tilman D, Reich PB, Knops JMH. Biodiversity and Ecosystem Stability in a Decade-Long Grassland Experiment. *Nature*. 2006;441(7093):629-32.

89.

Kennedy TA. Biodiversity as a Barrier to Ecological Invasion. *Nature*. 2002;417(6889):636-8.

90.

Herben T. Invasibility and Species Richness of a Community: A Neutral Model and a Survey of Published Data. *Ecology* [Internet]. 2004;85(12). Available from: <https://www.jstor.org/stable/3450503>

91.

Fridley JD. The Invasion Paradox: Reconciling Pattern and Process in Species Invasions. *Ecology* [Internet]. 2007;88(1). Available from: <https://www.jstor.org/stable/27651060>

92.

Gurevitch J, Padilla D. Are Invasive Species a Major Cause of Extinctions? *Trends in Ecology & Evolution*. 2004;19(9):470-4.

93.

Strayer DL, Eviner VT, Jeschke JM, Pace ML. Understanding the Long-Term Effects of Species Invasions. *Trends in Ecology & Evolution*. 2006;21(11):645-51.

94.

Worm B, Barbier EB. Impacts of Biodiversity Loss on Ocean Ecosystem Services. *Science* (New York, NY) [Internet]. 2006;314(5800):787-90. Available from: <http://www.jstor.org/stable/20031683>

95.

Urban MC. Accelerating Extinction Risk From Climate Change. *Science*. 2015;348(6234):571-3.

96.

Murphy GEP, Romanuk TN. A Meta-Analysis of Declines in Local Species Richness From Human Disturbances. *Ecology and Evolution*. 2014;4(1):91-103.

97.

Ponting C. The Intriguing Tale of Easter Island | Eco Action [Internet]. Available from: <http://www.eco-action.org/dt/eisland.html>

98.

The World Population Clock | Galen [Internet]. Available from: <http://galen.metapath.org/popclk.html>

99.

Jarman C. The Truth About Easter Island: A Sustainable Society Has Been Falsely Blamed for Its Own Demise. The Conversation [Internet]. 2017; Available from: <https://theconversation.com/the-truth-about-easter-island-a-sustainable-society-has-been-falsely-blamed-for-its-own-demise-85563>

100.

Sheridan JA, Bickford D. Shrinking Body Size as an Ecological Response to Climate Change. *Nature Climate Change*. 2011;1(8):401–6.

101.

White EP, Ernest SKM, Kerkhoff AJ, Enquist BJ. Relationships Between Body Size and Abundance in Ecology. *Trends in Ecology & Evolution*. 2007;22(6):323–30.

102.

Woodward G. Body Size in Ecological Networks. *Trends in Ecology & Evolution*. 2005;20(7):402–9.

103.

Soininen J. A Quantitative Analysis of Species Sorting Across Organisms and Ecosystems. *Ecology* [Internet]. 2014;95(12). Available from: <https://www.jstor.org/stable/43495283>

104.

Smith FA, Boyer AG. The Evolution of Maximum Body Size of Terrestrial Mammals. *Science*. 2010;330(6008):1216–9.

105.

Myers N, Mittermeier RA. Biodiversity Hotspots for Conservation Priorities. *Nature*. 2000;403(6772):853–8.

106.

Cincotta RP, Wisnewski J, Engelman R. Human Population in Biodiversity Hotspots. *Nature*. 2000;404(6781):990–2.

107.

Ripple WJ, Beschta RL. Trophic Cascades in Yellowstone: The First 15 years After Wolf Reintroduction. *Biological Conservation*. 2012;145(1):205–13.

108.

Puttock A. Eurasian Beaver Activity Increases Water Storage, Attenuates Flow and Mitigates Diffuse Pollution From Intensively-Managed Grasslands. *Science of The Total Environment*. 2017;576:430–43.

109.

Scottish Beavers [Internet]. Available from: <http://www.scottishbeavers.org.uk/>

110.

Keystone Species | Wikipedia [Internet]. Available from: [https://en.wikipedia.org/wiki/Keystone\\_species](https://en.wikipedia.org/wiki/Keystone_species)

111.

Rooney N, McCann KS. Integrating Food Web Diversity, Structure and Stability. *Trends in Ecology & Evolution*. 2012;27(1):40–6.



112.

McMeans BC. Food Web Structure in Temporally-Forced Ecosystems. *Trends in Ecology & Evolution*. 2015;30(11):662–72.

113.

David P. Impacts of Invasive Species on Food Webs: A Review of Empirical Data. In: Bohan DA, Dumbrell AJ, Massol F, editors. *Networks of Invasion: A Synthesis of Concepts* [Internet]. Oxford: Academic Press; 2017. Available from: <https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=4790270>

114.

Woodward G. Body Size in Ecological Networks. *Trends in Ecology & Evolution*. 2005;20(7):402–9.

115.

Van der Putten WH, Vet LEM, Harvey JA, Wäckers FL. Linking Above- and Belowground Multitrophic Interactions of Plants, Herbivores, Pathogens, and Their Antagonists. *Trends in Ecology & Evolution*. 2001;16(10):547–54.

116.

Morris T, Letnic M. Removal of an Apex Predator Initiates a Trophic Cascade That Extends From Herbivores to Vegetation and the Soil Nutrient Pool. *Proceedings of the Royal Society B: Biological Sciences*. 2017;284(1854).

117.

Knight TM, McCoy MW. Trophic Cascades Across Ecosystems. *Nature*. 2005;437(7060):880–3.