

# BIOL420

## Conservation Ecology

View Online



---

Akçakaya, H. Resit, et al. 'Quantifying Species Recovery and Conservation Success to Develop an IUCN Green List of Species'. *Conservation Biology*, Apr. 2018, <https://doi.org/10.1111/cobi.13112>.

Allen et al. The Comparative Effects of Large Carnivores on the Acquisition of Carrion by Scavengers - 681004. <http://www.journals.uchicago.edu/doi/pdfplus/10.1086/681004>.

Allen, Maximilian L., et al. 'The Importance of Motivation, Weapons, and Foul Odors in Driving Encounter Competition in Carnivores'. *Ecology*, vol. 97, no. 8, Aug. 2016, pp. 1905–12, <https://doi.org/10.1002/ecy.1462>.

Anderson, David R., et al. 'Null Hypothesis Testing: Problems, Prevalence, and an Alternative'. *The Journal of Wildlife Management*, vol. 64, no. 4, Oct. 2000, <https://doi.org/10.2307/3803199>.

Anderson, David R., and Kenneth P. Burnham. 'Avoiding Pitfalls When Using Information-Theoretic Methods'. *The Journal of Wildlife Management*, vol. 66, no. 3, July 2002, <https://doi.org/10.2307/3803155>.

Ant Maddock, Grant A. Benn, Dave N. Johnson, C. Rob Scott-Shaw, Truman Young, Alexander H. Harcourt, Michael Clinchy and Charles J. Krebs. 'Letters'. *Conservation Biology*, vol. 11, no. 4, 1997, pp. 831–33, [http://www.jstor.org/stable/2387315?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/2387315?seq=1#page_scan_tab_contents).

ARMSTRONG, D., and P. SEDDON. 'Directions in Reintroduction Biology'. *Trends in Ecology & Evolution*, vol. 23, no. 1, Jan. 2008, pp. 20–25, <https://doi.org/10.1016/j.tree.2007.10.003>.

ARMSTRONG, DOUG P., et al. 'Using Adaptive Management to Determine Requirements of Re-Introduced Populations: The Case of the New Zealand Hihi'. *Journal of Applied Ecology*, vol. 44, no. 5, Oct. 2007, pp. 953–62, <https://doi.org/10.1111/j.1365-2664.2007.01320.x>.

Bar-On, Yinon M., et al. 'The Biomass Distribution on Earth'. *Proceedings of the National Academy of Sciences*, May 2018, <https://doi.org/10.1073/pnas.1711842115>.

Berger-Tal, Oded, et al. 'A Systematic Survey of the Integration of Animal Behavior into Conservation'. *Conservation Biology*, vol. 30, no. 4, Aug. 2016, pp. 744–53, <https://doi.org/10.1111/cobi.12654>.

Berkes, Fikret, et al. 'REDISCOVERY OF TRADITIONAL ECOLOGICAL KNOWLEDGE AS ADAPTIVE MANAGEMENT'. *Ecological Applications*, vol. 10, no. 5, Oct. 2000, pp. 1251–62,

<https://doi.org/10.2307/2641280>.

Blackburn, Tim M., et al. 'A Proposed Unified Framework for Biological Invasions'. *Trends in Ecology & Evolution*, vol. 26, no. 7, July 2011, pp. 333–39, <https://doi.org/10.1016/j.tree.2011.03.023>.

Brakes, Philippa, et al. 'Animal Cultures Matter for Conservation'. *Science*, vol. 363, no. 6431, Mar. 2019, pp. 1032–34, <https://doi.org/10.1126/science.aaw3557>.

Camille, Parmesan. *Ecological and Evolutionary Responses to Recent Climate Change*. <http://www.annualreviews.org/doi/pdf/10.1146/annurev.ecolsys.37.091305.110100>.

Chauvenet, A. L. M., et al. 'Maximizing the Success of Assisted Colonizations'. *Animal Conservation*, vol. 16, no. 2, Apr. 2013, pp. 161–69, <https://doi.org/10.1111/j.1469-1795.2012.00589.x>.

Dawson, T. P., et al. 'Beyond Predictions: Biodiversity Conservation in a Changing Climate'. *Science*, vol. 332, no. 6025, Apr. 2011, pp. 53–58, <https://doi.org/10.1126/science.1200303>.

de Valpine, Perry. 'The Common Sense of Values'. *Ecology*, vol. 95, no. 3, Mar. 2014, pp. 617–21, <https://doi.org/10.1890/13-1271.1>.

DeCesare, N. J., et al. 'Endangered, Apparently: The Role of Apparent Competition in Endangered Species Conservation'. *Animal Conservation*, vol. 13, no. 4, Dec. 2009, pp. 353–62, <https://doi.org/10.1111/j.1469-1795.2009.00328.x>.

Elbroch, L. M., et al. 'Nowhere to Hide: Pumas, Black Bears, and Competition Refuges'. *Behavioral Ecology*, vol. 26, no. 1, Jan. 2015, pp. 247–54, <https://doi.org/10.1093/beheco/aru189>.

Fahrig, Lenore. 'Ecological Responses to Habitat Fragmentation Per Se'. *Annual Review of Ecology, Evolution, and Systematics*, vol. 48, no. 1, Nov. 2017, pp. 1–23, <https://doi.org/10.1146/annurev-ecolsys-110316-022612>.

---. 'Is Habitat Fragmentation Bad for Biodiversity?' *Biological Conservation*, vol. 230, Feb. 2019, pp. 179–86, <https://doi.org/10.1016/j.biocon.2018.12.026>.

Fletcher, Robert J., et al. 'Is Habitat Fragmentation Good for Biodiversity?' *Biological Conservation*, vol. 226, Oct. 2018, pp. 9–15, <https://doi.org/10.1016/j.biocon.2018.07.022>.

Graeme Caughley. 'Directions in Conservation Biology'. *Journal of Animal Ecology*, vol. 63, no. 2, 1994, pp. 215–44, [http://www.jstor.org/stable/5542?sid=primo&origin=crossref&seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/5542?sid=primo&origin=crossref&seq=1#page_scan_tab_contents).

Greggor, Alison L., et al. 'Comparative Cognition for Conservationists'. *Trends in Ecology & Evolution*, vol. 29, no. 9, Sept. 2014, pp. 489–95, <https://doi.org/10.1016/j.tree.2014.06.004>.

Holmes, George, et al. 'Understanding Conservationists' Perspectives on the

New-Conservation Debate'. *Conservation Biology*, vol. 31, no. 2, Apr. 2017, pp. 353–63, <https://doi.org/10.1111/cobi.12811>.

Jucker, Tommaso, et al. 'Ten-Year Assessment of the 100 Priority Questions for Global Biodiversity Conservation'. *Conservation Biology*, vol. 32, no. 6, Dec. 2018, pp. 1457–63, <https://doi.org/10.1111/cobi.13159>.

Linklater, Wayne L., et al. 'Prioritizing Cat-owner Behaviors for a Campaign to Reduce Wildlife Depredation'. *Conservation Science and Practice*, vol. 1, no. 5, May 2019, <https://doi.org/10.1111/csp2.29>.

Michael E. Soulé. 'What Is Conservation Biology?' *BioScience*, vol. 35, no. 11, 1985, pp. 727–34, [http://www.jstor.org/stable/1310054?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/1310054?seq=1#page_scan_tab_contents).

Michael, Soule. The 'New Conservation'.  
<http://onlinelibrary.wiley.com/doi/10.1111/cobi.12147/epdf>.

Michelle, Marvier. New Conservation Is True Conservation.  
<http://onlinelibrary.wiley.com/doi/10.1111/cobi.12206/epdf>.

Miller-Rushing, Abraham J., et al. 'How Does Habitat Fragmentation Affect Biodiversity? A Controversial Question at the Core of Conservation Biology'. *Biological Conservation*, vol. 232, Apr. 2019, pp. 271–73, <https://doi.org/10.1016/j.biocon.2018.12.029>.

Moller, Henrik, et al. 'Knowing by Doing: Learning for Sustainable Muttonbird Harvesting'. *New Zealand Journal of Zoology*, vol. 36, no. 3, Jan. 2009, pp. 243–58, <https://doi.org/10.1080/03014220909510153>.

Murtaugh, Paul A. 'In Defense of Values'. *Ecology*, vol. 95, no. 3, Mar. 2014, pp. 611–17, <https://doi.org/10.1890/13-0590.1>.

O'Dowd, Dennis J., et al. 'Invasional "meltdown" on an Oceanic Island'. *Ecology Letters*, vol. 6, no. 9, Sept. 2003, pp. 812–17, <https://doi.org/10.1046/j.1461-0248.2003.00512.x>.

PE'ER, GUY, et al. 'A Protocol for Better Design, Application, and Communication of Population Viability Analyses'. *Conservation Biology*, vol. 27, no. 4, Aug. 2013, pp. 644–56, <https://doi.org/10.1111/cobi.12076>.

PETER M. VITOUSEK, CARLA M. D'ANTONIO, LLOYD L. LOOPE, MARCEL REJMÁNEK and RANDY WESTBROOKS. 'INTRODUCED SPECIES: A SIGNIFICANT COMPONENT OF HUMAN-CAUSED GLOBAL CHANGE'. *New Zealand Journal of Ecology*, vol. 21, no. 1, 1997, pp. 1–16, [http://www.jstor.org/stable/24054520?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/24054520?seq=1#page_scan_tab_contents).

Philip W. Hedrick, Robert C. Lacy, Fred W. Allendorf and Michael E. Soule. 'Directions in Conservation Biology: Comments on Caughley'. *Conservation Biology*, vol. 10, no. 5, 1996, pp. 1312–20, [http://www.jstor.org/stable/2386904?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/2386904?seq=1#page_scan_tab_contents).

Polfus, Jean L., et al. 'Comparing Traditional Ecological Knowledge and Western Science Woodland Caribou Habitat Models'. *The Journal of Wildlife Management*, vol. 78, no. 1, Jan. 2014, pp. 112–21, <https://doi.org/10.1002/jwmg.643>.

Poore, J., and T. Nemecek. 'Reducing Food's Environmental Impacts through Producers and

Consumers'. *Science*, vol. 360, no. 6392, June 2018, pp. 987–92, <https://doi.org/10.1126/science.aaq0216>.

Ricciardi, Anthony, and Daniel Simberloff. 'Assisted Colonization Is Not a Viable Conservation Strategy'. *Trends in Ecology & Evolution*, vol. 24, no. 5, May 2009, pp. 248–53, <https://doi.org/10.1016/j.tree.2008.12.006>.

Ruscoe, Wendy A., et al. 'Unexpected Consequences of Control: Competitive vs. Predator Release in a Four-Species Assemblage of Invasive Mammals'. *Ecology Letters*, vol. 14, no. 10, Oct. 2011, pp. 1035–42, <https://doi.org/10.1111/j.1461-0248.2011.01673.x>.

Russell, James C., and Tim M. Blackburn. 'The Rise of Invasive Species Denialism'. *Trends in Ecology & Evolution*, vol. 32, no. 1, Jan. 2017, pp. 3–6, <https://doi.org/10.1016/j.tree.2016.10.012>.

Schwartz, Mark W., et al. 'The Precautionary Principle in Managed Relocation Is Misguided Advice'. *Trends in Ecology & Evolution*, vol. 24, no. 9, Sept. 2009, <https://doi.org/10.1016/j.tree.2009.05.006>.

Seddon, Philip J. 'From Reintroduction to Assisted Colonization: Moving along the Conservation Translocation Spectrum'. *Restoration Ecology*, vol. 18, no. 6, Nov. 2010, pp. 796–802, <https://doi.org/10.1111/j.1526-100X.2010.00724.x>.

Serrouya, Robert, et al. 'Saving Endangered Species Using Adaptive Management'. *Proceedings of the National Academy of Sciences*, vol. 116, no. 13, Mar. 2019, pp. 6181–86, <https://doi.org/10.1073/pnas.1816923116>.

Simberloff, Daniel, et al. 'Impacts of Biological Invasions: What's What and the Way Forward'. *Trends in Ecology & Evolution*, vol. 28, no. 1, Jan. 2013, pp. 58–66, <https://doi.org/10.1016/j.tree.2012.07.013>.

Steenweg, Robin, et al. 'Scaling-up Camera Traps: Monitoring the Planet's Biodiversity with Networks of Remote Sensors'. *Frontiers in Ecology and the Environment*, vol. 15, no. 1, Feb. 2017, pp. 26–34, <https://doi.org/10.1002/fee.1448>.

SUTHERLAND, W. J., et al. 'One Hundred Questions of Importance to the Conservation of Global Biological Diversity'. *Conservation Biology*, vol. 23, no. 3, June 2009, pp. 557–67, <https://doi.org/10.1111/j.1523-1739.2009.01212.x>.

Taylor, Gemma, et al. 'Is Reintroduction Biology an Effective Applied Science?' *Trends in Ecology & Evolution*, vol. 32, no. 11, Nov. 2017, pp. 873–80, <https://doi.org/10.1016/j.tree.2017.08.002>.

Thomas, Chris D., et al. 'Extinction Risk from Climate Change'. *Nature*, vol. 427, no. 6970, Jan. 2004, pp. 145–48, <https://doi.org/10.1038/nature02121>.

UN Report: Nature's Dangerous Decline 'Unprecedented'; Species Extinction Rates 'Accelerating' - United Nations Sustainable Development. <https://www.un.org/sustainabledevelopment/blog/2019/05/nature-decline-unprecedented-report/>.

Urban, M. C. 'Accelerating Extinction Risk from Climate Change'. *Science*, vol. 348, no.

6234, May 2015, pp. 571–73, <https://doi.org/10.1126/science.aaa4984>.

van Heezik, Yolanda, et al. 'Do Domestic Cats Impose an Unsustainable Harvest on Urban Bird Populations?' *Biological Conservation*, vol. 143, no. 1, Jan. 2010, pp. 121–30, <https://doi.org/10.1016/j.biocon.2009.09.013>.

---. 'Pussyfooting around the Issue of Cat Predation in Urban Areas'. *Oryx*, vol. 44, no. 02, Apr. 2010, <https://doi.org/10.1017/S003060531000027X>.

Vitt, Pati, et al. 'Assisted Migration: Part of an Integrated Conservation Strategy'. *Trends in Ecology & Evolution*, vol. 24, no. 9, Sept. 2009, pp. 473–74, <https://doi.org/10.1016/j.tree.2009.05.007>.

Walters, Carl J., and C. S. Holling. 'Large-Scale Management Experiments and Learning by Doing'. *Ecology*, vol. 71, no. 6, Dec. 1990, pp. 2060–68, <https://doi.org/10.2307/1938620>.  
Walther, Gian-Reto, et al. 'Ecological Responses to Recent Climate Change'. *Nature*, vol. 416, no. 6879, Mar. 2002, pp. 389–95, <https://doi.org/10.1038/416389a>.

Ward-Fear, G., et al. 'Ecological Immunization: Training of Free-Ranging Predatory Lizards Reduces Their Vulnerability to Invasive Toxic Prey'. *Biology Letters*, vol. 12, no. 1, Jan. 2016, <https://doi.org/10.1098/rsbl.2015.0863>.

'What Is Conservation Science?' *BioScience*, vol. 62, no. 11, Nov. 2012, pp. 962–69, <https://doi.org/10.1525/bio.2012.62.11.5>.

WITTMER, HEIKO U., et al. 'Conservation Strategies for Species Affected by Apparent Competition'. *Conservation Biology*, vol. 27, no. 2, Apr. 2013, pp. 254–60, <https://doi.org/10.1111/cobi.12005>.

Wittmer, Heiko U., et al. 'The Role of Predation in the Decline and Extirpation of Woodland Caribou'. *Oecologia*, vol. 144, no. 2, June 2005, pp. 257–67, <https://doi.org/10.1007/s00442-005-0055-y>.