

VET603 One Health for Biodiversity Conservation

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1.

King, L. J. Combating the Triple Threat: The Need for a One Health Approach. in One health: people, animals, and the environment (eds. Atlas, R. M. & Maloy, S. R.) 3-14 (ASM Press, 2014).

2.

American Society for Microbiology. One Health and the Lessons Learned from the 1999 West Nile Virus Outbreak (MWV46). (23AD).

3.

One health: the theory and practice of integrated health approaches. (CABI, 2015).

4.

The World Bank. People, Pathogens and Our Planet; Volume 1: Towards a One Health Approach for Controlling Zoonotic Diseases. (2010).

5.

FAO, OIE, WHO, UNSIC, UNICEF, and the World Bank. Contributing to One World, One Health: A Strategic Framework for Reducing Risks of Infectious Diseases at the Animal-Human-Ecosystems Interface. (2008).

6.

Steven, O. et al. Friends for life; New partners in support of protected areas. Chapter 5.

(2005).

7.

Richard, K. Drivers of disease emergence and spread: Is wildlife to blame? (2014).

8.

Daszak, P. Collaborative research approaches to the role of wildlife in zoonotic disease emergence. in Wildlife and emerging zoonotic diseases: the biology, circumstances and consequences of cross-species transmission vol. Current topics in microbiology and immunology 463–475 (Springer, 2007).

9.

Daszak, P. Emerging Infectious Diseases and the Socio-ecological Dimension. EcoHealth **2**, 239–240 (2005).

10.

Steve, M. What is biodiversity and why is it important? (15AD).

11.

Anantha Kumar Duraiappah. Millenium Ecosystem Assessment. Ecosystems and Human Well-being: Biodiversity Synthesis.

12.

Pavan Sukhdev: Put a value on nature! | TED Talk | TED.com.

13.

Cardinale, B. J. et al. Biodiversity loss and its impact on humanity. Nature **486**, 59–67 (2012).

14.

TEEB. The Economics of Ecosystems and Biodiversity: Mainstreaming the Economics of Nature: A synthesis of the approach, conclusions and recommendations of TEEB. (2010).

15.

Richardson, R. B. Ecosystem Services and Food Security: Economic Perspectives on Environmental Sustainability. *Sustainability* **2**, 3520–3548 (2010).

16.

Corvalán, C., Hales, S., McMichael, A. J., Millennium Ecosystem Assessment (Program), & World Health Organization. Millenium Ecosystem Assessment. Ecosystems and human well-being: health synthesis. (World Health Organization, 2005).

17.

IUCN. Biodiversity and Human Health. (31AD).

18.

Hough, R. L. Biodiversity and human health: evidence for causality? *Biodiversity and Conservation* **23**, 267–288 (2014).

19.

Fisher, B. & Christopher, T. Poverty and biodiversity: Measuring the overlap of human poverty and the biodiversity hotspots. *Ecological Economics* **62**, 93–101 (2007).

20.

McMichael, A. J. Health and disease : an ecological perspective. Chapter 11. in *Human frontiers, environments and disease: past patterns, uncertain futures* 318–340 (Cambridge University Press, 2001).

21.

Does Poverty Rise as Biodiversity Falls? - Pavan Sukhdev. (7AD).

22.

Suich, H., Howe, C. & Mace, G. Ecosystem services and poverty alleviation: A review of the empirical links. *Ecosystem Services* **12**, 137–147 (2015).

23.

Baker, S. et al. An ecosystems perspective for food security in the Caribbean: Seagrass meadows in the Turks and Caicos Islands. *Ecosystem Services* **11**, 12–21 (2015).

24.

Murray, K. A. & Daszak, P. Human ecology in pathogenic landscapes: two hypotheses on how land use change drives viral emergence. *Current Opinion in Virology* **3**, 79–83 (2013).

25.

Patz, J. A. et al. Unhealthy Landscapes: Policy Recommendations on Land Use Change and Infectious Disease Emergence. *Environmental Health Perspectives* **112**, 1092–1098 (2004).

26.

Gottdenker, N. L., Streicker, D. G., Faust, C. L. & Carroll, C. R. Anthropogenic Land Use Change and Infectious Diseases: A Review of the Evidence. *EcoHealth* **11**, 619–632 (2014).

27.

Forests and emerging infectious diseases of humans.
<http://www.fao.org/tempref/docrep/fao/009/a0789e/a0789e03.pdf> (2006).

28.

FAO. Forestry and malaria control in Italy. <http://www.fao.org/3/a0789e/a0789e04.htm>

(2006).

29.

Bradley, C. A. & Altizer, S. Urbanization and the ecology of wildlife diseases. *Trends in Ecology & Evolution* **22**, 95–102 (2007).

30.

Kilpatrick, A. M. Globalization, Land Use, and the Invasion of West Nile Virus. *Science* **334**, 323–327 (2011).

31.

Altizer, S., Ostfeld, R. S., Johnson, P. T. J., Kutz, S. & Harvell, C. D. Climate Change and Infectious Diseases: From Evidence to a Predictive Framework. *Science* **341**, 514–519 (2013).

32.

60 minutes Tasmanian Devils.

33.

Aguirre, A. A. & Tabor, G. M. Global Factors Driving Emerging Infectious Diseases. *Annals of the New York Academy of Sciences* **1149**, 1–3 (2008).

34.

Lafferty, K. D. & Gerber, L. R. Good Medicine for Conservation Biology: the Intersection of Epidemiology and Conservation Theory. *Conservation Biology* **16**, 593–604 (2002).

35.

McCallum, H. Tasmanian devil facial tumour disease: lessons for conservation biology. *Trends in Ecology & Evolution* **23**, 631–637 (2008).

36.

Schloegel, L. M. et al. The Decline of the Sharp-Snouted Day Frog (*Taudactylus acutirostris*): The First Documented Case of Extinction by Infection in a Free-Ranging Wildlife Species? *EcoHealth* **3**, 35–40 (2006).

37.

Daszak, P. & Cunningham, A. A. Extinction by infection. *Trends in Ecology & Evolution* **14**, (1999).

38.

Skerratt, L. F. et al. Spread of Chytridiomycosis Has Caused the Rapid Global Decline and Extinction of Frogs. *EcoHealth* **4**, 125–134 (2007).

39.

Tompkins, D. M., Carver, S., Jones, M. E., Krkošek, M. & Skerratt, L. F. Emerging infectious diseases of wildlife: a critical perspective. *Trends in Parasitology* **31**, 149–159 (2015).

40.

MacPhee, R. D. E. & Greenwood, A. D. Infectious Disease, Endangerment, and Extinction. *International Journal of Evolutionary Biology* **2013**, 1–9 (2013).

41.

Frequently Asked Questions | White-Nose Syndrome.
<https://www.whitenosesyndrome.org/faqs>.

42.

ProMED-mail post - The importance of collaboration for White Nose Syndrome research.
<http://www.promedmail.org/direct.php?id=20130730.1853096>.

43.

ProMED-mail post - Distemper in Tigers.

<http://www.promedmail.org/direct.php?id=20141106.2935060>.

44.

Kate E. Jones, Nikkita G. Patel, Marc A. Levy, Adam Storeygard, Deborah Balk, John L. Gittleman. Global trends in emerging infectious diseases. *Nature*.

45.

Monkey Malaria: It's long been thought that there are 4 only species of malaria parasites that can be hosted by humans, but now it's been discovered in Malaysian Borneo that there's a fifth, and it jumps the species barrier, spreading from monkeys to humans.

46.

R, B., R, K. & J, F. Infectious animal diseases: the wildlife/livestock interface. *OIE Revue Scientifique et Technique* **21**, (2002).

47.

Miller, M. & Olea-Popelka, F. One Health in the shrinking world: Experiences with tuberculosis at the human-livestock-wildlife interface. *Comparative Immunology, Microbiology and Infectious Diseases* **36**, 263-268 (2013).

48.

Plowright, R. K. et al. Ecological dynamics of emerging bat virus spillover. *Proceedings of the Royal Society B: Biological Sciences* **282**, 20142124-20142124 (2014).

49.

Wiethoelter, A. K., Beltrán-Alcrudo, D., Kock, R. & Mor, S. M. Global trends in infectious diseases at the wildlife-livestock interface. *Proceedings of the National Academy of Sciences* **112**, 9662-9667 (2015).

50.

Chapter 4. in One Health: the theory and practice of integrated health approaches.

51.

Peter Daszak at TEDMED 2010. (13AD).

52.

Beyond Fences - ICCF - January 27, 2010.

http://www.wcs-ahead.org/webcasts/iccf_1_2010.html.

53.

Black-footed Ferret Recovery Program - John Hughes. (9AD).

54.

Wildlife Trade: Threat to Global Health.

http://download.springer.com/static/pdf/139/art%253A10.1007%252Fs10393-004-0081-y.pdf?originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%252Fs10393-004-0081-y&token2=exp=1454135662~acl=%2Fstatic%2Fpdf%2F139%2Fart%25253A10.1007%25252Fs10393-004-0081-y.pdf%3ForiginUrl%3Dhttp%253A%252F%252Flink.springer.com%252Farticle%252F10.1007%252Fs10393-004-0081-y*~hmac=dc9628f710f24bebc9692a7faa017924c0f23f7fc6992570446d307f059e5195.

55.

Karesh, W. B., Cook, R. A., Bennett, E. L. & Newcomb, J. Wildlife Trade and Global Disease Emergence. *Emerging Infectious Diseases* **11**, 1000–1002 (2005).

56.

Smith, K. F. et al. Reducing the Risks of the Wildlife Trade. *Science* **324**, 594–595 (2009).

57.

Walker, S. F. et al. Invasive pathogens threaten species recovery programs. *Current*

Biology **18**, R853–R854 (2008).

58.

Mathews, F., Moro, D., Strachan, R., Gelling, M. & Buller, N. Health surveillance in wildlife reintroductions. *Biological Conservation* **131**, 338–347 (2006).

59.

Aiello, C. M. et al. Disease dynamics during wildlife translocations: disruptions to the host population and potential consequences for transmission in desert tortoise contact networks. *Animal Conservation* **17**, 27–39 (2014).

60.

L, S. & et al. Wildlife Trade and the Emergence of Infectious Diseases.
<http://link.springer.com/article/10.1007/s10393-006-0076-y/fulltext.html> (2007).

61.

One-on-One Interview with Dr. William Karesh. (30AD).

62.

BBC World Service - Health Check, Eating Bushmeat.
<http://www.bbc.co.uk/programmes/p02871pm>.

63.

Karesh, W. B. & Noble, E. The Bushmeat Trade: Increased Opportunities for Transmission of Zoonotic Disease. *Mount Sinai Journal of Medicine: A Journal of Translational and Personalized Medicine* **76**, 429–434 (2009).

64.

Threatened: The controversial struggle of the Southern Sea Otter. (2012).

65.

Bossart, G. D. Marine Mammals as Sentinel Species for Oceans and Human Health. *Veterinary Pathology* **48**, 676–690 (2011).

66.

Harvell, C. D. Emerging Marine Diseases--Climate Links and Anthropogenic Factors. *Science* **285**, 1505–1510 (1999).

67.

Bondad-Reantaso, M. G. et al. Disease and health management in Asian aquaculture. *Veterinary Parasitology* **132**, 249–272 (2005).

68.

Shapiro, K. et al. Effect of Estuarine Wetland Degradation on Transport of *Toxoplasma gondii* Surrogates from Land to Sea. *Applied and Environmental Microbiology* **76**, 6821–6828 (2010).

69.

Sigler, M. The Effects of Plastic Pollution on Aquatic Wildlife: Current Situations and Future Solutions. *Water, Air, & Soil Pollution* **225**, (2014).

70.

Abalone virus raises concerns about fish farming.

71.

Walker, C. H. Chapter 1. in *Ecotoxicology: effects of pollutants on the natural environment* 3–8 (CRC Press, 2014).

72.

Arnold, K. E., Brown, A. R., Ankley, G. T. & Sumpter, J. P. Medicating the environment:

assessing risks of pharmaceuticals to wildlife and ecosystems. *Philosophical Transactions of the Royal Society B: Biological Sciences* **369**, 20130569–20130569 (2014).

73.

Jones, K. C. & de Voogt, P. Persistent organic pollutants (POPs): state of the science. *Environmental Pollution* **100**, 209–221 (1999).

74.

UNEP. Ridding the world of POPs: A guide to the Stockholm Convention on Persistent Organic Pollutants. (2010).

75.

Persistent Organic Pollutants: A Global Issue, A Global Response.
<http://www.epa.gov/international-cooperation/persistent-organic-pollutants-global-issue-global-response#table>.

76.

Mahapatro, G. K. & Arunkumar, K. The case for banning diclofenac and the vanishing vultures. *Biodiversity* **15**, 265–268 (2014).

77.

Finkelstein, M. E. et al. Lead poisoning and the deceptive recovery of the critically endangered California condor. *Proceedings of the National Academy of Sciences* **109**, 11449–11454 (2012).

78.

Peters, E. C., Gassman, N. J., Firman, J. C., Richmond, R. H. & Power, E. A. Ecotoxicology of tropical marine ecosystems. *Environmental Toxicology and Chemistry* **16**, 12–40 (1997).

79.

Sea week: Picture the world's biggest dump and you probably don't picture an ocean. Behind The News.

80.

FluCheck - World Health Organisation.

<http://www.who.int/influenza/resources/documents/FluCheck6web.pdf?ua=1>.

81.

Pedersen, K., Baroch, J. A., Nolte, D. L., Gidlewski, T. & Deliberto, T. J. The Role of the National Wildlife Disease Program in Wildlife Disease Surveillance and Emergency Response. USDA National Wildlife Research Center - Staff Publications 74-80 (2012).

82.

AUSVETPLAN Manuals and Documents - Animal Health Australia.

<https://www.animalhealthaustralia.com.au/our-publications/ausvetplan-manuals-and-documents/>.

83.

Bisson, I.-A., Ssebide, B. J. & Marra, P. P. Early Detection of Emerging Zoonotic Diseases with Animal Morbidity and Mortality Monitoring. *EcoHealth* **12**, 98-103 (2015).

84.

One health: people, animals, and the environment. (ASM Press, 2014).

85.

McCloskey, B., Dar, O., Zumla, A. & Heymann, D. L. Emerging infectious diseases and pandemic potential: status quo and reducing risk of global spread. *The Lancet Infectious Diseases* **14**, 1001-1010 (2014).

86.

Sands, P., Mundaca-Shah, C. & Dzau, V. J. The Neglected Dimension of Global Security — A

Framework for Countering Infectious-Disease Crises. *New England Journal of Medicine* **374**, 1281–1287 (2016).

87.

Review on Antimicrobial Resistance. Antimicrobials in agriculture and the environment - Reducing unnecessary use and waste.pdf.

88.

Carroll, D., Wang, J., Fanning, S. & McMahon, B. J. Antimicrobial Resistance in Wildlife: Implications for Public Health. *Zoonoses and Public Health* **62**, 534–542 (2015).

89.

Bonnedahl, J. & Järhult, J. D. Antibiotic resistance in wild birds. *Upsala Journal of Medical Sciences* **119**, 113–116 (2014).

90.

Cabello, F. C. et al. Antimicrobial use in aquaculture re-examined: its relevance to antimicrobial resistance and to animal and human health. *Environmental Microbiology* **15**, 1917–1942 (2013).

91.

Hoffman, S. J. et al. Bulletin of the World Health Organization - An international legal framework to address antimicrobial resistance. *Bulletin of the World Health Organization* **93**, 66–66 (2015).

92.

Global Risks 2013 - World Economic Forum - The Dangers of Hubris on Human Health. <http://reports.weforum.org/global-risks-2013/risk-case-1/the-dangers-of-hubris-on-human-health/>.

93.

Likens, G. E. The role of science in decision making: does evidence-based science drive environmental policy? *Frontiers in Ecology and the Environment* **8**, e1–e9 (2010).

94.

Buttke, D. E., Decker, D. J. & Wild, M. A. THE ROLE OF ONE HEALTH IN WILDLIFE CONSERVATION: A CHALLENGE AND OPPORTUNITY. *Journal of Wildlife Diseases* **51**, 1–8 (2015).

95.

Bryant, C. Does Australia need a more effective policy of science communication? *International Journal for Parasitology* **33**, 357–361 (2003).

96.

Fournier, A., Young, I., Rajić, A., Greig, J. & LeJeune, J. Social and Economic Aspects of the Transmission of Pathogenic Bacteria between Wildlife and Food Animals: A Thematic Analysis of Published Research Knowledge. *Zoonoses and Public Health* **62**, 417–428 (2015).