

VET603 One Health for Biodiversity Conservation

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1

King LJ. Combating the Triple Threat: The Need for a One Health Approach. In: Atlas RM, Maloy SR, eds. One health: people, animals, and the environment. Washington, DC: : ASM Press 2014.
3-14.<https://ebookcentral.proquest.com/lib/murdoch/reader.action?ppg=16&docID=1678949&tm=1515575683923>

2

American Society for Microbiology. One Health and the Lessons Learned from the 1999 West Nile Virus Outbreak (MWV46).
23AD.<https://www.youtube.com/watch?v=D0kicnRNx64>

3

Zinsstag J, Schelling E, Waltner-Toews D, et al., editors. One health: the theory and practice of integrated health approaches. Wallingford, Oxfordshire, UK: : CABI 2015.
<http://ebookcentral.proquest.com/lib/murdoch/detail.action?docID=1983126>

4

The World Bank. People, Pathogens and Our Planet; Volume 1: Towards a One Health Approach for Controlling Zoonotic Diseases.
2010.http://siteresources.worldbank.org/INTARD/Resources/PPP_Web.pdf

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.<http://www.fao.org/docrep/011/aj137e/aj137e00.htm>

6

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

2005.<https://portals.iucn.org/docs/library/html/Friends-for-life/chapter5.html>

7

Richard K. Drivers of disease emergence and spread: Is wildlife to blame? Published Online First: 2014.<http://www.ojvr.org/index.php/ojvr/article/viewFile/739/1069>

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. Berlin: : Springer 2007. 463–75.

9

Daszak P. Emerging Infectious Diseases and the Socio-ecological Dimension. EcoHealth 2005;**2**:239–40. doi:10.1007/s10393-005-8613-7

10

Steve M. What is biodiversity and why is it important?
15AD.<https://www.youtube.com/watch?v=7tgNamjTRkk>

11

Anantha Kumar Duraiappah. Millenium Ecosystem Assessment. Ecosystems and Human Well-being: Biodiversity Synthesis.
<http://www.millenniumassessment.org/documents/document.354.aspx.pdf>

12

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

https://www.ted.com/talks/pavan_sukhdev_what_s_the_price_of_nature?language=en

13

Cardinale BJ, Duffy JE, Gonzalez A, et al. Biodiversity loss and its impact on humanity. *Nature* 2012;**486**:59–67. doi:10.1038/nature11148

14

TEEB. The Economics of Ecosystems and Biodiversity: Mainstreaming the Economics of Nature: A synthesis of the approach, conclusions and recommendations of TEEB. 2010. https://wedocs.unep.org/bitstream/handle/20.500.11822/7851/-The%20TEEB%20Synthesis%20Report-2010982.pdf?sequence=5&isAllowed=y%2C%20Chinese%7C%7Chttps%3A//wedocs.unep.org/bitstream/handle/20.500.11822/7851/TEEB_CH.pdf

15

Richardson RB. Ecosystem Services and Food Security: Economic Perspectives on Environmental Sustainability. *Sustainability* 2010;**2**:3520–48. doi:10.3390/su2113520

16

Corvalán C, Hales S, McMichael AJ, et al. Millenium Ecosystem Assessment. Ecosystems and human well-being: health synthesis. [Geneva, Switzerland]: : World Health Organization 2005. <https://ebookcentral.proquest.com/lib/murdoch/detail.action?docID=284690>

17

IUCN. Biodiversity and Human Health. 31AD. <https://www.youtube.com/watch?v=oO-IGCErNil>

18

Hough RL. Biodiversity and human health: evidence for causality? *Biodiversity and Conservation* 2014;**23**:267–88. doi:10.1007/s10531-013-0614-1

19

Fisher B, Christopher T. Poverty and biodiversity: Measuring the overlap of human poverty and the biodiversity hotspots. *Ecological Economics* 2007;**62**:93–101. doi:10.1016/j.ecolecon.2006.05.020

20

McMichael AJ. Health and disease : an ecological perspective. Chapter 11. In: *Human frontiers, environments and disease: past patterns, uncertain futures*. Cambridge: : Cambridge University Press 2001. 318–40. <https://ebookcentral.proquest.com/lib/murdoch/detail.action?docID=202372>

21

Does Poverty Rise as Biodiversity Falls? - Pavan Sukhdev. 7AD. <https://www.youtube.com/watch?v=NrUWelzWqFc>

22

Suich H, Howe C, Mace G. Ecosystem services and poverty alleviation: A review of the empirical links. *Ecosystem Services* 2015;**12**:137–47. doi:10.1016/j.ecoser.2015.02.005

23

Baker S, Paddock J, Smith AM, et al. An ecosystems perspective for food security in the Caribbean: Seagrass meadows in the Turks and Caicos Islands. *Ecosystem Services* 2015; **11**:12–21. doi:10.1016/j.ecoser.2014.07.011

24

Murray KA, Daszak P. Human ecology in pathogenic landscapes: two hypotheses on how land use change drives viral emergence. *Current Opinion in Virology* 2013;**3**:79–83. doi:10.1016/j.coviro.2013.01.006

25

Patz JA, Daszak P, Tabor GM, et al. Unhealthy Landscapes: Policy Recommendations on Land Use Change and Infectious Disease Emergence. *Environmental Health Perspectives* 2004;**112**:1092–8. doi:10.1289/ehp.6877

26

Gottdenker NL, Streicker DG, Faust CL, et al. Anthropogenic Land Use Change and Infectious Diseases: A Review of the Evidence. *EcoHealth* 2014;**11**:619–32. doi:10.1007/s10393-014-0941-z

27

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

28

FAO. Forestry and malaria control in Italy.
2006.<http://www.fao.org/3/a0789e/a0789e04.htm>

29

Bradley CA, Altizer S. Urbanization and the ecology of wildlife diseases. *Trends in Ecology & Evolution* 2007;**22**:95–102. doi:10.1016/j.tree.2006.11.001

30

Kilpatrick AM. Globalization, Land Use, and the Invasion of West Nile Virus. *Science* 2011;**334**:323–7. doi:10.1126/science.1201010

31

Altizer S, Ostfeld RS, Johnson PTJ, et al. Climate Change and Infectious Diseases: From Evidence to a Predictive Framework. *Science* 2013;**341**:514–9. doi:10.1126/science.1239401

32

60 minutes Tasmanian Devils.
<https://search.informit.com.au/media;dn=TSM201511010137;res=TVNEWS;type=mp4>

33

Aguirre AA, Tabor GM. Global Factors Driving Emerging Infectious Diseases. *Annals of the New York Academy of Sciences* 2008;**1149**:1–3. doi:10.1196/annals.1428.052

34

Lafferty KD, Gerber LR. Good Medicine for Conservation Biology: the Intersection of Epidemiology and Conservation Theory. *Conservation Biology* 2002;**16**:593–604. doi:10.1046/j.1523-1739.2002.00446.x

35

McCallum H. Tasmanian devil facial tumour disease: lessons for conservation biology. *Trends in Ecology & Evolution* 2008;**23**:631–7. doi:10.1016/j.tree.2008.07.001

36

Schloegel LM, Hero J-M, Berger L, 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* 2006;**3**:35–40. doi:10.1007/s10393-005-0012-6

37

Daszak P, Cunningham AA. Extinction by infection. *Trends in Ecology & Evolution* 1999;**14**. doi:10.1016/S0169-5347(99)01665-1

38

Skerratt LF, Berger L, Speare R, et al. Spread of Chytridiomycosis Has Caused the Rapid Global Decline and Extinction of Frogs. *EcoHealth* 2007;**4**:125–34. doi:10.1007/s10393-007-0093-5

39

Tompkins DM, Carver S, Jones ME, et al. Emerging infectious diseases of wildlife: a critical perspective. *Trends in Parasitology* 2015;**31**:149–59. doi:10.1016/j.pt.2015.01.007

40

MacPhee RDE, Greenwood AD. Infectious Disease, Endangerment, and Extinction. International Journal of Evolutionary Biology 2013;**2013**:1–9. doi:10.1155/2013/571939

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
<https://go.galegroup.com/ps/i.do?p=ITOF&u=murdoch&id=GALE|A189748388&v=2.1&it=r&sid=summon&userGroup=murdoch&authCount=1>

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.
<https://search.informit.com.au/media;dn=TEX20091301871;res=TVNEWS;type=mp4>

46

R B, R K, J F. Infectious animal diseases: the wildlife/livestock interface. OIE Revue Scientifique et Technique 2002;**21**.<http://www.oie.int/doc/ged/d522.pdf>

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* 2013;**36**:263–8. doi:10.1016/j.cimid.2012.07.005

48

Plowright RK, Eby P, Hudson PJ, et al. Ecological dynamics of emerging bat virus spillover. *Proceedings of the Royal Society B: Biological Sciences* 2014;**282**:20142124–20142124. doi:10.1098/rspb.2014.2124

49

Wiethoelter AK, Beltrán-Alcrudo D, Kock R, et al. Global trends in infectious diseases at the wildlife–livestock interface. *Proceedings of the National Academy of Sciences* 2015;**112**:9662–7. doi:10.1073/pnas.1422741112

50

Chapter 4. In: *One Health: the theory and practice of integrated health approaches*. <http://murdoch.ebilib.com/patron/Read.aspx?p=1983126&pg=1>

51

Peter Daszak at TEDMED 2010. 13AD.<https://www.youtube.com/watch?v=cPFGX7t4KJE>

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.<https://www.youtube.com/watch?v=BAqCkPjeScE>

54

Wildlife Trade: Threat to Global Health.
<http://download.springer.com/static/pdf/139/art%253A10.1007%252Fs10393-004-0081-y.p>

df?originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs10393-004-0081-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 WB, Cook RA, Bennett EL, et al. Wildlife Trade and Global Disease Emergence. *Emerging Infectious Diseases* 2005;**11**:1000–2. doi:10.3201/eid1107.050194

56

Smith KF, Behrens M, Schloegel LM, et al. Reducing the Risks of the Wildlife Trade. *Science* 2009;**324**:594–5. doi:10.1126/science.1174460

57

Walker SF, Bosch J, James TY, et al. Invasive pathogens threaten species recovery programs. *Current Biology* 2008;**18**:R853–4. doi:10.1016/j.cub.2008.07.033

58

Mathews F, Moro D, Strachan R, et al. Health surveillance in wildlife reintroductions. *Biological Conservation* 2006;**131**:338–47. doi:10.1016/j.biocon.2006.04.011

59

Aiello CM, Nussear KE, Walde AD, et al. Disease dynamics during wildlife translocations: disruptions to the host population and potential consequences for transmission in desert tortoise contact networks. *Animal Conservation* 2014;**17**:27–39. doi:10.1111/acv.12147

60

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

61

One-on-One Interview with Dr. William Karesh.
30AD.<https://www.youtube.com/watch?v=SxJWct7yuas>

62

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

63

Karesh WB, Noble E. The Bushmeat Trade: Increased Opportunities for Transmission of Zoonotic Disease. Mount Sinai Journal of Medicine: A Journal of Translational and Personalized Medicine 2009;**76**:429–34. doi:10.1002/msj.20139

64

Threatened: The controversial struggle of the Southern Sea Otter.
2012.http://www.palomar.edu/pctv/otter_doc.shtml

65

Bossart GD. Marine Mammals as Sentinel Species for Oceans and Human Health. Veterinary Pathology 2011;**48**:676–90. doi:10.1177/0300985810388525

66

Harvell CD. Emerging Marine Diseases--Climate Links and Anthropogenic Factors. Science 1999;**285**:1505–10. doi:10.1126/science.285.5433.1505

67

Bondad-Reantaso MG, Subasinghe RP, Arthur JR, et al. Disease and health management in Asian aquaculture. Veterinary Parasitology 2005;**132**:249–72.
doi:10.1016/j.vetpar.2005.07.005

68

Shapiro K, Conrad PA, Mazet JAK, et al. Effect of Estuarine Wetland Degradation on

Transport of *Toxoplasma gondii* Surrogates from Land to Sea. *Applied and Environmental Microbiology* 2010;**76**:6821–8. doi:10.1128/AEM.01435-10

69

Sigler M. The Effects of Plastic Pollution on Aquatic Wildlife: Current Situations and Future Solutions. *Water, Air, & Soil Pollution* 2014;**225**. doi:10.1007/s11270-014-2184-6

70

Abalone virus raises concerns about fish farming.
<http://www.abc.net.au/radionational/programs/bushtelegraph/abalone/4975412>

71

Walker CH. Chapter 1. In: *Ecotoxicology: effects of pollutants on the natural environment*. Boca Raton: : CRC Press 2014. 3–8.

72

Arnold KE, Brown AR, Ankley GT, et al. Medicating the environment: assessing risks of pharmaceuticals to wildlife and ecosystems. *Philosophical Transactions of the Royal Society B: Biological Sciences* 2014;**369**:20130569–20130569. doi:10.1098/rstb.2013.0569

73

Jones KC, de Voogt P. Persistent organic pollutants (POPs): state of the science. *Environmental Pollution* 1999;**100**:209–21. doi:10.1016/S0269-7491(99)00098-6

74

UNEP. Ridding the world of POPs: A guide to the Stockholm Convention on Persistent Organic Pollutants. 2010.
<http://chm.pops.int/Portals/0/download.aspx?d=UNEP-POPS-PAWA-GUID-RIDDING.En.pdf>

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 GK, Arunkumar K. The case for banning diclofenac and the vanishing vultures. *Biodiversity* 2014;**15**:265–8. doi:10.1080/14888386.2014.978374

77

Finkelstein ME, Doak DF, George D, et al. Lead poisoning and the deceptive recovery of the critically endangered California condor. *Proceedings of the National Academy of Sciences* 2012;**109**:11449–54. doi:10.1073/pnas.1203141109

78

Peters EC, Gassman NJ, Firman JC, et al. Ecotoxicology of tropical marine ecosystems. *Environmental Toxicology and Chemistry* 1997;**16**:12–40. doi:10.1002/etc.5620160103

79

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

<https://search.informit.com.au/media;dn=TSM201509010005;res=TVNEWS;type=mp4>

80

FluCheck - World Health Organisation.

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

81

Pedersen K, Baroch JA, Nolte DL, et al. The Role of the National Wildlife Disease Program in Wildlife Disease Surveillance and Emergency Response. *USDA National Wildlife Research Center - Staff Publications*

2012;:74–80.http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=2174&context=icwdm_usdanwrc

82

AUSVETPLAN Manuals and Documents - Animal Health Australia.

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

83

Bisson I-A, Ssebide BJ, Marra PP. Early Detection of Emerging Zoonotic Diseases with Animal Morbidity and Mortality Monitoring. *EcoHealth* 2015;**12**:98–103.

doi:10.1007/s10393-014-0988-x

84

Atlas RM, Maloy SR, editors. One health: people, animals, and the environment. Washington, DC: : ASM Press 2014.

<http://ebookcentral.proquest.com/lib/murdoch/detail.action?docID=1678949>

85

McCloskey B, Dar O, Zumla A, et al. Emerging infectious diseases and pandemic potential: status quo and reducing risk of global spread. *The Lancet Infectious Diseases* 2014;**14**

:1001–10. doi:10.1016/S1473-3099(14)70846-1

86

Sands P, Mundaca-Shah C, Dzau VJ. The Neglected Dimension of Global Security — A Framework for Countering Infectious-Disease Crises. *New England Journal of Medicine* 2016;**374**:1281–7. doi:10.1056/NEJMs1600236

87

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

<http://amr-review.org/sites/default/files/Antimicrobials%20in%20agriculture%20and%20the%20environment%20-%20Reducing%20unnecessary%20use%20and%20waste.pdf>

88

Carroll D, Wang J, Fanning S, et al. Antimicrobial Resistance in Wildlife: Implications for

Public Health. Zoonoses and Public Health 2015;**62**:534–42. doi:10.1111/zph.12182

89

Bonnedahl J, Järhult JD. Antibiotic resistance in wild birds. Upsala Journal of Medical Sciences 2014;**119**:113–6. doi:10.3109/03009734.2014.905663

90

Cabello FC, Godfrey HP, Tomova A, et al. Antimicrobial use in aquaculture re-examined: its relevance to antimicrobial resistance and to animal and human health. Environmental Microbiology 2013;**15**:1917–42. doi:10.1111/1462-2920.12134

91

Hoffman SJ, Outterson K, Røttingen J-A, et al. Bulletin of the World Health Organization - An international legal framework to address antimicrobial resistance. Bulletin of the World Health Organization 2015;**93**:66–66. doi:10.2471/BLT.15.152710

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 GE. The role of science in decision making: does evidence-based science drive environmental policy? Frontiers in Ecology and the Environment 2010;**8**:e1–9. doi:10.1890/090132

94

Buttke DE, Decker DJ, Wild MA. THE ROLE OF ONE HEALTH IN WILDLIFE CONSERVATION: A CHALLENGE AND OPPORTUNITY. Journal of Wildlife Diseases 2015;**51**:1–8. doi:10.7589/2014-01-004

95

Bryant C. Does Australia need a more effective policy of science communication? *International Journal for Parasitology* 2003;**33**:357–61. doi:10.1016/S0020-7519(03)00004-3

96

Fournier A, Young I, Rajić A, et al. 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* 2015;**62**:417–28. doi:10.1111/zph.12179