VET603 One Health for Biodiversity Conservation

View Online

60 minutes Tasmanian Devils. (n.d.). https://search.informit.com.au/media;dn=TSM201511010137;res=TVNEWS;type=mp4

Abalone virus raises concerns about fish farming. (n.d.). http://www.abc.net.au/radionational/programs/bushtelegraph/abalone/4975412

Aguirre, A. A., & Tabor, G. M. (2008). Global Factors Driving Emerging Infectious Diseases. Annals of the New York Academy of Sciences, 1149(1), 1–3. https://doi.org/10.1196/annals.1428.052

Aiello, C. M., Nussear, K. E., Walde, A. D., Esque, T. C., Emblidge, P. G., Sah, P., Bansal, S., & Hudson, P. J. (2014). Disease dynamics during wildlife translocations: disruptions to the host population and potential consequences for transmission in desert tortoise contact networks. Animal Conservation, 17(S1), 27–39. https://doi.org/10.1111/acv.12147

Altizer, S., Ostfeld, R. S., Johnson, P. T. J., Kutz, S., & Harvell, C. D. (2013). Climate Change and Infectious Diseases: From Evidence to a Predictive Framework. Science, 341(6145), 514–519. https://doi.org/10.1126/science.1239401

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

Anantha Kumar Duraiappah. (n.d.). Millenium Ecosystem Assessment. Ecosystems and Human Well-being: Biodiversity Synthesis [Hardcover]. World Resources Institute. http://www.millenniumassessment.org/documents/document.354.aspx.pdf

Arnold, K. E., Brown, A. R., Ankley, G. T., & Sumpter, J. P. (2014). Medicating the environment: assessing risks of pharmaceuticals to wildlife and ecosystems. Philosophical Transactions of the Royal Society B: Biological Sciences, 369(1656), 20130569–20130569. https://doi.org/10.1098/rstb.2013.0569

Atlas, R. M., & Maloy, S. R. (Eds.). (2014). One health: people, animals, and the environment. ASM Press. http://ebookcentral.proquest.com/lib/murdoch/detail.action?docID=1678949

AUSVETPLAN Manuals and Documents - Animal Health Australia. (n.d.). https://www.animalhealthaustralia.com.au/our-publications/ausvetplan-manuals-and-documents/

Baker, S., Paddock, J., Smith, A. M., Unsworth, R. K. F., Cullen-Unsworth, L. C., & Hertler, H.

(2015). An ecosystems perspective for food security in the Caribbean: Seagrass meadows in the Turks and Caicos Islands. Ecosystem Services, 11, 12–21. https://doi.org/10.1016/j.ecoser.2014.07.011

BBC World Service - Health Check, Eating Bushmeat. (n.d.). http://www.bbc.co.uk/programmes/p02871pm

Beyond Fences - ICCF - January 27, 2010. (n.d.). http://www.wcs-ahead.org/webcasts/iccf_1_2010.html

Bisson, I.-A., Ssebide, B. J., & Marra, P. P. (2015). Early Detection of Emerging Zoonotic Diseases with Animal Morbidity and Mortality Monitoring. EcoHealth, 12(1), 98–103. https://doi.org/10.1007/s10393-014-0988-x

Black-footed Ferret Recovery Program - John Hughes. (9 C.E.). https://www.youtube.com/watch?v=BAqCkPjeScE

Bondad-Reantaso, M. G., Subasinghe, R. P., Arthur, J. R., Ogawa, K., Chinabut, S., Adlard, R., Tan, Z., & Shariff, M. (2005). Disease and health management in Asian aquaculture. Veterinary Parasitology, 132(3–4), 249–272. https://doi.org/10.1016/j.vetpar.2005.07.005 Bonnedahl, J., & Järhult, J. D. (2014). Antibiotic resistance in wild birds. Upsala Journal of Medical Sciences, 119(2), 113–116. https://doi.org/10.3109/03009734.2014.905663

Bossart, G. D. (2011). Marine Mammals as Sentinel Species for Oceans and Human Health. Veterinary Pathology, 48(3), 676–690. https://doi.org/10.1177/0300985810388525

Bradley, C. A., & Altizer, S. (2007). Urbanization and the ecology of wildlife diseases. Trends in Ecology & Evolution, 22(2), 95–102. https://doi.org/10.1016/j.tree.2006.11.001

Bryant, C. (2003). Does Australia need a more effective policy of science communication? International Journal for Parasitology, 33(4), 357–361. https://doi.org/10.1016/S0020-7519(03)00004-3

Buttke, D. E., Decker, D. J., & Wild, M. A. (2015). THE ROLE OF ONE HEALTH IN WILDLIFE CONSERVATION: A CHALLENGE AND OPPORTUNITY. Journal of Wildlife Diseases, 51(1), 1–8. https://doi.org/10.7589/2014-01-004

Cabello, F. C., Godfrey, H. P., Tomova, A., Ivanova, L., Dölz, H., Millanao, A., & Buschmann, A. H. (2013). Antimicrobial use in aquaculture re-examined: its relevance to antimicrobial resistance and to animal and human health. Environmental Microbiology, 15(7), 1917–1942. https://doi.org/10.1111/1462-2920.12134

Cardinale, B. J., Duffy, J. E., Gonzalez, A., Hooper, D. U., Perrings, C., Venail, P., Narwani, A., Mace, G. M., Tilman, D., Wardle, D. A., Kinzig, A. P., Daily, G. C., Loreau, M., Grace, J. B., Larigauderie, A., Srivastava, D. S., & Naeem, S. (2012). Biodiversity loss and its impact on humanity. Nature, 486(7401), 59–67. https://doi.org/10.1038/nature11148

Carroll, D., Wang, J., Fanning, S., & McMahon, B. J. (2015). Antimicrobial Resistance in Wildlife: Implications for Public Health. Zoonoses and Public Health, 62(7), 534–542. https://doi.org/10.1111/zph.12182

Chapter 4. (n.d.). In One Health: the theory and practice of integrated health approaches.

http://murdoch.eblib.com/patron/Read.aspx?p=1983126&pg=1

Corvalán, C., Hales, S., McMichael, A. J., Millennium Ecosystem Assessment (Program), & World Health Organization. (2005). Millenium Ecosystem Assessment. Ecosystems and human well-being: health synthesis [Electronic resource]. World Health Organization. https://ebookcentral.proquest.com/lib/murdoch/detail.action?docID=284690

Daszak, P. (2005). Emerging Infectious Diseases and the Socio-ecological Dimension. EcoHealth, 2(4), 239–240. https://doi.org/10.1007/s10393-005-8613-7

Daszak, P. (2007). 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 (pp. 463–475). Springer.

Daszak, P., & Cunningham, A. A. (1999). Extinction by infection. Trends in Ecology & Evolution, 14(7). https://doi.org/10.1016/S0169-5347(99)01665-1

Does Poverty Rise as Biodiversity Falls? - Pavan Sukhdev. (7 C.E.). https://www.youtube.com/watch?v=NrUWelzWqFc

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

FAO, OIE, WHO, UNSIC, UNICEF, and the World Bank. (2008). Contributing to One World, One Health: A Strategic Framework for Reducing Risks of Infectious Diseases at the Animal-Human-Ecosystems Interface. http://www.fao.org/docrep/011/aj137e/aj137e00.htm

Finkelstein, M. E., Doak, D. F., George, D., Burnett, J., Brandt, J., Church, M., Grantham, J., & Smith, D. R. (2012). Lead poisoning and the deceptive recovery of the critically endangered California condor. Proceedings of the National Academy of Sciences, 109(28), 11449–11454. https://doi.org/10.1073/pnas.1203141109

Fisher, B., & Christopher, T. (2007). Poverty and biodiversity: Measuring the overlap of human poverty and the biodiversity hotspots. Ecological Economics, 62(1), 93–101. https://doi.org/10.1016/j.ecolecon.2006.05.020

FluCheck - World Health Organisation. (n.d.). http://www.who.int/influenza/resources/documents/FluCheck6web.pdf?ua=1

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

Fournier, A., Young, I., Rajić, A., Greig, J., & LeJeune, J. (2015). 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(6), 417–428. https://doi.org/10.1111/zph.12179

Frequently Asked Questions | White-Nose Syndrome. (n.d.). https://www.whitenosesyndrome.org/faqs

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

Gottdenker, N. L., Streicker, D. G., Faust, C. L., & Carroll, C. R. (2014). Anthropogenic Land Use Change and Infectious Diseases: A Review of the Evidence. EcoHealth, 11(4), 619–632. https://doi.org/10.1007/s10393-014-0941-z

Harvell, C. D. (1999). Emerging Marine Diseases--Climate Links and Anthropogenic Factors. Science, 285(5433), 1505–1510. https://doi.org/10.1126/science.285.5433.1505

Hoffman, S. J., Outterson, K., Røttingen, J.-A., Cars, O., Clift, C., Rizvi, Z., Rotberg, F., Tomson, G., & Zorzet, A. (2015). Bulletin of the World Health Organization - An international legal framework to address antimicrobial resistance. Bulletin of the World Health Organization, 93(2), 66–66. https://doi.org/10.2471/BLT.15.152710

Hough, R. L. (2014). Biodiversity and human health: evidence for causality? Biodiversity and Conservation, 23(2), 267–288. https://doi.org/10.1007/s10531-013-0614-1

IUCN. (31 C.E.). Biodiversity and Human Health. https://www.youtube.com/watch?v=oO-lGCErNiI

Jones, K. C., & de Voogt, P. (1999). Persistent organic pollutants (POPs): state of the science. Environmental Pollution, 100(1–3), 209–221. https://doi.org/10.1016/S0269-7491(99)00098-6

Karesh, W. B., Cook, R. A., Bennett, E. L., & Newcomb, J. (2005). Wildlife Trade and Global Disease Emergence. Emerging Infectious Diseases, 11(7), 1000–1002. https://doi.org/10.3201/eid1107.050194

Karesh, W. B., & Noble, E. (2009). The Bushmeat Trade: Increased Opportunities for Transmission of Zoonotic Disease. Mount Sinai Journal of Medicine: A Journal of Translational and Personalized Medicine, 76(5), 429–434. https://doi.org/10.1002/msj.20139

Kate E. Jones,Nikkita G. Patel,Marc A. Levy,Adam Storeygard,Deborah Balk,John L. Gittleman. (n.d.). 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

Kilpatrick, A. M. (2011). Globalization, Land Use, and the Invasion of West Nile Virus. Science, 334(6054), 323–327. https://doi.org/10.1126/science.1201010

King, L. J. (2014). Combating the Triple Threat: The Need for a One Health Approach. In R. M. Atlas & S. R. Maloy (Eds.), One health: people, animals, and the environment (pp. 3–14). ASM Press. https://ebookcentral.proquest.com/lib/murdoch/reader.action?ppg=16&docID=1678949&tm=1515575683923

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

Lafferty, K. D., & Gerber, L. R. (2002). Good Medicine for Conservation Biology: the Intersection of Epidemiology and Conservation Theory. Conservation Biology, 16(3), 593–604. https://doi.org/10.1046/j.1523-1739.2002.00446.x

Likens, G. E. (2010). The role of science in decision making: does evidence-based science drive environmental policy? Frontiers in Ecology and the Environment, 8(6), e1–e9. https://doi.org/10.1890/090132

MacPhee, R. D. E., & Greenwood, A. D. (2013). Infectious Disease, Endangerment, and Extinction. International Journal of Evolutionary Biology, 2013, 1–9. https://doi.org/10.1155/2013/571939

Mahapatro, G. K., & Arunkumar, K. (2014). The case for banning diclofenac and the vanishing vultures. Biodiversity, 15(4), 265–268. https://doi.org/10.1080/14888386.2014.978374

Mathews, F., Moro, D., Strachan, R., Gelling, M., & Buller, N. (2006). Health surveillance in wildlife reintroductions. Biological Conservation, 131(2), 338–347. https://doi.org/10.1016/j.biocon.2006.04.011

McCallum, H. (2008). Tasmanian devil facial tumour disease: lessons for conservation biology. Trends in Ecology & Evolution, 23(11), 631–637. https://doi.org/10.1016/j.tree.2008.07.001

McCloskey, B., Dar, O., Zumla, A., & Heymann, D. L. (2014). Emerging infectious diseases and pandemic potential: status quo and reducing risk of global spread. The Lancet Infectious Diseases, 14(10), 1001–1010. https://doi.org/10.1016/S1473-3099(14)70846-1

McMichael, A. J. (2001). Health and disease : an ecological perspective. Chapter 11. In Human frontiers, environments and disease: past patterns, uncertain futures (pp. 318–340). Cambridge University Press. https://ebookcentral.proquest.com/lib/murdoch/detail.action?docID=202372

Miller, M., & Olea-Popelka, F. (2013). One Health in the shrinking world: Experiences with tuberculosis at the human–livestock–wildlife interface. Comparative Immunology, Microbiology and Infectious Diseases, 36(3), 263–268. https://doi.org/10.1016/j.cimid.2012.07.005

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. (n.d.). Catalyst. https://search.informit.com.au/media;dn=TEX20091301871;res=TVNEWS;type=mp4

Murray, K. A., & Daszak, P. (2013). Human ecology in pathogenic landscapes: two hypotheses on how land use change drives viral emergence. Current Opinion in Virology, 3 (1), 79–83. https://doi.org/10.1016/j.coviro.2013.01.006

One-on-One Interview with Dr. William Karesh. (30 C.E.). https://www.youtube.com/watch?v=SxJWct7yuas

Patz, J. A., Daszak, P., Tabor, G. M., Aguirre, A. A., Pearl, M., Epstein, J., Wolfe, N. D., Kilpatrick, A. M., Foufopoulos, J., Molyneux, D., Bradley, D. J., & Emergence, D. (2004).

Unhealthy Landscapes: Policy Recommendations on Land Use Change and Infectious Disease Emergence. Environmental Health Perspectives, 112(10), 1092–1098. https://doi.org/10.1289/ehp.6877

Pavan Sukhdev: Put a value on nature! | TED Talk | TED.com. (n.d.). https://www.ted.com/talks/pavan_sukhdev_what_s_the_price_of_nature?language=en

Pedersen, K., Baroch, J. A., Nolte, D. L., Gidlewski, T., & Deliberto, T. J. (2012). The Role of the National Wildlife Disease Program in Wildlife Disease Surveillance and Emergency Response. USDA National Wildlife Research Center - Staff Publications, 74–80. http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=2174&context=icwdm_usdanwrc

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

Peter Daszak at TEDMED 2010. (13 C.E.). https://www.youtube.com/watch?v=cPFGX7t4KJE

Peters, E. C., Gassman, N. J., Firman, J. C., Richmond, R. H., & Power, E. A. (1997). Ecotoxicology of tropical marine ecosystems. Environmental Toxicology and Chemistry, 16 (1), 12–40. https://doi.org/10.1002/etc.5620160103

Plowright, R. K., Eby, P., Hudson, P. J., Smith, I. L., Westcott, D., Bryden, W. L., Middleton, D., Reid, P. A., McFarlane, R. A., Martin, G., Tabor, G. M., Skerratt, L. F., Anderson, D. L., Crameri, G., Quammen, D., Jordan, D., Freeman, P., Wang, L.-F., Epstein, J. H., … McCallum, H. (2014). Ecological dynamics of emerging bat virus spillover. Proceedings of the Royal Society B: Biological Sciences, 282(1798), 20142124–20142124. https://doi.org/10.1098/rspb.2014.2124

ProMED-mail post - Distemper in Tigers. (n.d.). http://www.promedmail.org/direct.php?id=20141106.2935060

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

R, B., R, K., & J, F. (2002). Infectious animal diseases: the wildlife/livestock interface. OIE Revue Scientifique et Technique, 21(1). http://www.oie.int/doc/ged/d522.pdf

Review on Antimicrobial Resistance. (n.d.). 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

Richard, K. (2014). Drivers of disease emergence and spread: Is wildlife to blame? http://www.ojvr.org/index.php/ojvr/article/viewFile/739/1069

Richardson, R. B. (2010). Ecosystem Services and Food Security: Economic Perspectives on Environmental Sustainability. Sustainability, 2(11), 3520–3548. https://doi.org/10.3390/su2113520

Sands, P., Mundaca-Shah, C., & Dzau, V. J. (2016). The Neglected Dimension of Global Security — A Framework for Countering Infectious-Disease Crises. New England Journal of Medicine, 374(13), 1281–1287. https://doi.org/10.1056/NEJMsr1600236

Schloegel, L. M., Hero, J.-M., Berger, L., Speare, R., McDonald, K., & Daszak, P. (2006). 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(1), 35–40. https://doi.org/10.1007/s10393-005-0012-6

Sea week: Picture the world's biggest dump and you probably don't picture an ocean. Behind The News. (n.d.). https://search.informit.com.au/media;dn=TSM201509010005;res=TVNEWS;type=mp4

Shapiro, K., Conrad, P. A., Mazet, J. A. K., Wallender, W. W., Miller, W. A., & Largier, J. L. (2010). Effect of Estuarine Wetland Degradation on Transport of Toxoplasma gondii Surrogates from Land to Sea. Applied and Environmental Microbiology, 76(20), 6821–6828. https://doi.org/10.1128/AEM.01435-10

Sigler, M. (2014). The Effects of Plastic Pollution on Aquatic Wildlife: Current Situations and Future Solutions. Water, Air, & Soil Pollution, 225(11). https://doi.org/10.1007/s11270-014-2184-6

Skerratt, L. F., Berger, L., Speare, R., Cashins, S., McDonald, K. R., Phillott, A. D., Hines, H. B., & Kenyon, N. (2007). Spread of Chytridiomycosis Has Caused the Rapid Global Decline and Extinction of Frogs. EcoHealth, 4(2), 125–134. https://doi.org/10.1007/s10393-007-0093-5

Smith, K. F., Behrens, M., Schloegel, L. M., Marano, N., Burgiel, S., & Daszak, P. (2009). Reducing the Risks of the Wildlife Trade. Science, 324(5927), 594–595. https://doi.org/10.1126/science.1174460

Steve, M. (15 C.E.). What is biodiversity and why is it important? CSIRO. https://www.youtube.com/watch?v=7tgNamjTRkk

Steven, O., Richard, K., Michael, K., Gladys, K.-Z., Richard, G., Tim, L., & William, K. (2005). Friends for life; New partners in support of protected areas. Chapter 5. https://portals.iucn.org/docs/library/html/Friends-for-life/chapter5.html

Suich, H., Howe, C., & Mace, G. (2015). Ecosystem services and poverty alleviation: A review of the empirical links. Ecosystem Services, 12, 137–147. https://doi.org/10.1016/j.ecoser.2015.02.005

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

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

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

Tompkins, D. M., Carver, S., Jones, M. E., Krkošek, M., & Skerratt, L. F. (2015). Emerging infectious diseases of wildlife: a critical perspective. Trends in Parasitology, 31(4), 149–159. https://doi.org/10.1016/j.pt.2015.01.007

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

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

Walker, S. F., Bosch, J., James, T. Y., Litvintseva, A. P., Oliver Valls, J. A., Piña, S., García, G., Rosa, G. A., Cunningham, A. A., Hole, S., Griffiths, R., & Fisher, M. C. (2008). Invasive pathogens threaten species recovery programs. Current Biology, 18(18), R853–R854. https://doi.org/10.1016/j.cub.2008.07.033

Wiethoelter, A. K., Beltrán-Alcrudo, D., Kock, R., & Mor, S. M. (2015). Global trends in infectious diseases at the wildlife–livestock interface. Proceedings of the National Academy of Sciences, 112(31), 9662–9667. https://doi.org/10.1073/pnas.1422741112

Wildlife Trade: Threat to Global Health. (n.d.). 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%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

Zinsstag, J., Schelling, E., Waltner-Toews, D., Whittaker, M., & Tanner, M. (Eds.). (2015). One health: the theory and practice of integrated health approaches [Electronic resource]. CABI. http://ebookcentral.proquest.com/lib/murdoch/detail.action?docID=1983126