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~~Ecology of Emerging Diseases in Wildlife and People~~ The COVID-19 Challenge: Zoonotic Diseases and Wildlife On the Front Lines - Wildlife Disease Biologist ~~Wildlife And Emerging Zoonotic Diseases~~ Wildlife and the zoonotic pathogens they reservoir are the source of most emerging infectious diseases of humans. AIDS, hantavirus pulmonary syndrome, SARS, Monkeypox and the human ehrlichioses are a few examples of the devastating effect achieved by cross-species transmission of viral and bacterial pathogens of wildlife.

~~Wildlife and Emerging Zoonotic Diseases: The Biology ...~~

An estimated 75% of emerging infectious diseases are zoonotic, mainly of viral origin, and likely to be vectorborne . The emergence and rapid spread of West Nile virus in North America and the monkeypox outbreak in pet prairie dogs have been major awakening public health events that underscored the need for closer collaboration between the veterinary profession, wildlife specialists, and public health personnel (2 , 3).

~~Wildlife, Exotic Pets, and Emerging Zoonoses — Volume 13 ...~~

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~~Wildlife and Emerging Zoonotic Diseases: The Biology ...~~

Examples of pathogens with this pattern of transmission include rabies and other lyssaviruses, Nipah virus, West Nile virus, Hantavirus, and the agents of Lyme borreliosis, plague, tularemia, leptospirosis and ehrlichiosis. These zoonotic diseases from wild animal sources all have trends that are rising sharply upwards.

~~The role of wildlife in emerging and re-emerging zoonoses~~

Wildlife trafficking practices have resulted in the emergence of zoonotic diseases. Exotic wildlife trafficking is a multi-billion dollar industry that involves the removal and shipment of mammals, reptiles, amphibians, invertebrates, and fish all over the world. Traded wild animals are used for bushmeat consumption, unconventional exotic pets, animal skin clothing accessories, home trophy ...

~~Wildlife smuggling and zoonoses — Wikipedia~~

The study concludes: "Sustainable management of tropical peatlands and their wildlife is important for mitigating impacts of the

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COVID-19 pandemic, and reducing the potential for future zoonotic ...

~~Conservation of tropical peatlands could reduce the ...~~

Socioecological challenges. Managing the risks of disease transmission from wildlife is fundamentally a socioecological challenge (). Zoonotic pathogens and parasites typically circulate unobserved in nature among reservoir communities of wildlife host species, often with biting arthropods (such as mosquitoes and ticks) acting as vectors of infection.³ Human infections occur through exposure to ...

~~Ecosystem perspectives are needed to manage zoonotic risks ...~~

Wildlife is considered a significant reservoir of emerging infectious diseases; 70% of emerging zoonoses have a wildlife origin. This element of the UrbanZoo project focusses on the role that synanthropic wildlife (species that live in close association with humans) play in the epidemiology of disease emergence. These animals are abundant in cities, with different species occupying a variety of ecological niches; mammals such as rodents have small home ranges and are thus restricted to ...

~~Wildlife — Zoonotic and Emerging Diseases~~

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This zoonosis is emerging in wildlife in many parts of the world, and wildlife can represent a source of infection for domestic animals and humans. Bovine tuberculosis was probably introduced into Africa with imported cattle during the colonial era and thereafter spread to and became endemic in wildlife . In Ireland and Great Britain, badgers maintain the infection, whereas the brushtail possum constitutes a main wildlife reservoir in New Zealand.

~~Wildlife as Source of Zoonotic Infections — Volume 10 ...~~

As a follow-up to the Resolution on emerging and re-emerging zoonotic diseases adopted by the OIE International Committee in May 2004, the OIE is creating a new inter-disciplinary Ad hoc Group to advise on the control of emerging and re-emerging zoonoses and on surveillance systems which cover wildlife, domestic animals, and the relevant corresponding human continuum.

~~Emerging and re-emerging zoonoses: OIE — World ...~~

The current pandemic also illustrates that, despite our experiences with emerging zoonotic diseases (EZDs) such as Severe Acute Respiratory Syndrome (SARS), Ebola, and highly pathogenic H5N1 avian influenza, and subsequently improved national and global surveillance systems, humanity is not able to prevent new EZDs originating from

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~~Frontiers | Emerging Zoonotic Diseases: Should We Rethink ...~~

October 2020 Joint CPW Statement COVID-19 falls into the category of emerging infectious diseases (EIDs) that are transmitted between domestic or wild animals and humans (known as 'zoonotic diseases') (WHO, 2020a). EIDs can significantly impact global economies and public health.

~~The COVID-19 challenge: Zoonotic diseases and wildlife~~

Statement of the OIE Wildlife Working Group, April 2020 Wildlife Trade and Emerging Zoonotic Diseases. The majority of recently-emerging infectious diseases have wildlife origins, among them Lassa, Monkeypox, Marburg, Nipah and numerous other viral diseases. Within the coronavirus family, zoonotic viruses have been linked to the Severe Acute Respiratory Syndrome (SARS) epidemic in 2003 and the Middle East Respiratory Syndrome (MERS) first detected in 2012.

~~Statement of the OIE Wildlife Working Group, April 2020 ...~~

The scientists reviewed existing evidence and concluded the high biodiversity in tropical peat-swamp forests, combined with habitat destruction and wildlife harvesting, created "suitable conditions"

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for emerging infectious diseases (EIDs) that could jump to humans.

~~Tropical peatland conservation could protect humans from ...~~

There are three main drivers of Emerging Infectious Diseases (EIDs): wildlife exploitation, industrialization of agriculture and deforestation. All of these drivers are aggravated by weak governance and corruption. In addition, they interact in ways that can result in unintended consequences.

~~TNRC Blog Illegal wildlife markets, zoonotic disease ...~~

This special issue, "Zoonotic Disease Ecology: Effects on Humans, Domestic Animals and Wildlife," explores the complex interactions of emerging infectious diseases across taxa linked to the impacts of massive biodiversity loss and globalization.

~~Changing Patterns of Emerging Zoonotic Diseases in ...~~

Zoonotic diseases have a major impact on human health, accounting for two-thirds of all human infectious diseases and three out of four newly emerging diseases.

~~Protecting world's tropical peatlands could help 'stop the ...~~

Zoonotic diseases are complex infections residing in animals and can

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be transmitted to humans. The emergence of zoonotic diseases usually occurs in three stages. Initially the disease is spread through a series of spillover events between domesticated and wildlife populations living in close quarters.

~~Wildlife trafficking and emerging zoonotic diseases ...~~

The World Health Organisation say there are over 200 zoonotic diseases, there may be a lot more. Six out of every 10 infectious diseases in people can be spread from animals and three out of every four new or emerging infectious diseases in people come from animals. The World Health Organisation says: "During the past decades, many previously unknown human infectious diseases have emerged ...

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