

Special Issue

Zoonotic Diseases

Message from the Guest Editors

Zoonoses are diseases naturally transmitted between vertebrate animals and humans, either directly (by contact, ingestion, or inhalation) or via fomites or biological vectors, especially when arthropods are involved. Foodborne, airborne, rodent-borne, waterborne, and vector-borne zoonotic diseases are considered in this Special Issue. The spread of zoonotic agents is exacerbated by changes in host dynamics due to factors like increased travel, globalization, illegal animal trade, global warming, and human encroachment into wild areas, leading to the invasion of biotopes where animals live with their pathogens. Recently, emerging infectious diseases have posed severe threats to human and animal health, with 60% of them being zoonotic. Moreover, many zoonotic diseases impacting human health are misdiagnosed and lack specific therapies. This Special Issue is devoted to studying the agents (bacteria, viruses, fungi, protozoan, and metazoan parasites) responsible for zoonotic diseases, focusing on their taxonomy, biology, epidemiology, pathogenesis, diagnosis, and prophylaxis. Original papers and review articles are welcome.

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Deadline for manuscript submissions

30 April 2026



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/211186

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