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Advances in the One Health Based on Helminthology Research

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Deadline for manuscript submissions:
8 August 2024

Message from the Guest Editor

Helminths compose a complex and diverse group of macroparasites that can explore different environments. They spread by simple resistance structures, eggs, or within other organisms using their body (such as larvae or adult worms) as a definitive, intermediate, or paratenic host. Many of these parasites have a body mass very close to their host, and are always much larger than any eukaryotic cell. Challenges to understanding how these starving parasites can succeed without killing most of their hosts remain an important target of advanced helminthology. Expanding our knowledge of helminth diversity by exploring classical tools in association with advanced technologies could be a roadmap to attract funding and young researchers to the integrative taxonomy of helminths. As we expand the list of helminth parasites and detail their life cycles, more zoonoses and emerging and reemerging diseases are described. Helminths are important protagonists of the One Health concept, moving between the abiotic environment and intriguing sites and host tissues.

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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