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Antibiotic-Resistant Enterobacterales at the Human-Animal-Environment Interface

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Message from the Guest Editors

Antimicrobial resistance is a serious threat to humans and animals with high societal relevance. While antibioticresistant (ABR) bacteria have been frequently described in clinical settings and livestock husbandry, less is known about their distribution in wildlife and the environment especially regarding risk factors that drive their emergence. Due to limited treatment possibilities, ABR representatives belonging to the Enterobacterales that exhibit extendedspectrum beta-lactamases (ESBLs), carbapenemases and/or colistin resistance are among the most critical.

This Special Issue focuses on the epidemiology, risk factors and drivers, and transmission of ABR Enterobacterales, particularly at the human–animal–environment interface, and thus the One Health context. This may for example include studies on the prevalence; distribution and epidemiology; molecular characterization, including antibiotic/disinfectant/heavy-metal resistance features; fitness and virulence; as well as transmission across different settings of these bacteria.

Specialsue



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Message from the Editor-in-Chief

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