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Detection and Characterization of Drug-Resistant Organisms

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Deadline for manuscript submissions:
closed (30 October 2022)

Message from the Guest Editors

Dear Colleagues,

There are multiple levels of resistance, namely: multi-drug resistant (MDR), extremely drug resistant (XDR), and, in some cases, totally drug resistant (TDR) strains of the pathogens have also evolved. These include bacterial diseases, such as tuberculosis, pneumonia, and gonorrhea; viral diseases, such as HIV; and parasitic diseases, such as Lyme disease and malaria. Besides resistance, pathogens also exhibit persistence or tolerance to the drugs, without actually mutating. This Special Issue, entitled “Detection and Characterization of Antibiotic Resistant Organisms”, focuses on the concepts of resistance, persistence, and tolerance in human pathogens and their detection, characterization, and treatment. This Special Issue emphasizes the escalating problem of drug-resistance in pathogens, and supplements the existing literature on several diseases.

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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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