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Globalization and Infectious Diseases

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Message from the Guest Editor

As the world becomes more and more connected pathogens are finding their way into new populations. At the same time the shifting ecology of our planet has provoked the incursion of novel infections into the human family. In response new and innovative global disease detection and control systems are under implementation to combat the globalization of infection and prevent pandemics. This edition will look at the main drivers of these interlocking trends through evidence based analytic papers. The final optic of the volume will be an interdisciplinary view of the globalization of human infection and the scaling of public health response to meet the challenge.

- Factors of emergence of new human infections
- Travel, Trade
- Land Use, ecological change
- Population pressure
- Zoonotic spillover
- Microbial Change—antimicrobial resistance
- Global Infectious Disease surveillance & detection
- Innovative diagnostics and their diffusion
- Regional and global surveillance networks
- Event based surveillance
- Antibiotic stewardship
- “One Health” and “Planetary Health” paradigms
- “Hot Spots” defined and alignment of program



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Special Issue