

Special Issue

Human and Animal Infectious Diseases: Prevention, Diagnosis, and Treatment

Message from the Guest Editor

For decades, effective treatments of infectious diseases such as viral, bacterial, and fungal infections have remained a strong challenge in medicine. As we know, healthcare providers and researchers are currently facing many hurdles to finding effective therapies for these diseases, including drug resistance, which is considered a major challenge. In recent years, molecular medicine evolution has accelerated the progress of finding successful approaches to manage infectious diseases. Therefore, this Special Issue aims to shed light on recent innovations that explain infectious disease pathogenesis at the molecular or physiological level, which may lead to the design of specific tools for disease diagnosis, treatment (including drug design and development), or prevention (including vaccine development). Studies that are performed at cellular and genetic levels, which describe the implications of the results for infectious diseases, are also considered for publication. Computational investigations that are performed to unveil the molecular pathways and are supported by in vitro and in vivo experiments are also welcomed. Dr. Sherif T. S. Hassan

Guest Editor

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