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Biofilm Formation in Healthcare: Strategies for Prevention and Eradication

Guest Editor



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Message from the Guest Editor

The production of biofilm is one of the most important survival strategies utilised by bacteria in a variety of environments. Biofilms are natural component of the surfaces of the body, including the skin and the mucosal surfaces of the respiratory and digestive systems. The production of biofilm can have some beneficial consequences, similar to those generated by commensals; nevertheless, in most instances, biofilms are connected with infection, such as those seen in chronic wounds and Biofilms shield microorganisms from the cystic fibrosis. immune system of their host, which enables them to establish themselves and provides support for chronicity. In addition to that, it improves antibiotic tolerance. Research on how biofilms are created, their toxicity, and various ways for battling them have risen to the forefront of infectious biology and medicine in recent years as the prevalence of this phenomenon has increased. Taking into account the growing importance of this research field, we invite all the research to submit original research articles, reviews, or shorter viewpoints on any issue pertinent to biofilm research for this Special Issue. The theme will focus on biofilm formation and its regulation, its effect on disease pathogenesis, its prevention/elimination, Targets for treat ment of biofilm etc.



