



Novel Antibacterial, Antibiofilm and Anti-virulence Candidates

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Message from the Guest Editors

The growing microbial resistance to antibiotics is an increasingly challenging issue that global health faces. The dwindling discovery of new antibiotics worsens the situation and mandates new approaches and strategies to conquer microbial resistance. Bacteria recruit diverse virulence factors and employ several systems to control the regulation of these virulence arsenals. Among the most resistant microbial phenotypes, bacterial biofilms constitute a huge obstacle against efficient antibiotic treatments. Targeting bacterial virulence and diminishing biofilms greatly attenuates bacteria and eases their eradication through antibiotics. Targeting virulence can be achieved by targeting virulence-controlling systems. Among the most involved virulence-controlling systems, quorum sensing (QS) plays a crucial role in orchestrating the production of bacterial virulence factors and biofilms. Moreover, several approaches have been suggested to eradicate bacterial biofilms and inhibit bacterial virulence. This issue focuses on the discovery of new antibacterial and antibiofilm candidates to serve as adjuvants to antibiotics in the treatment of aggressive infections.





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Message from the Editor-in-Chief

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