



Microbial Resistance Mechanisms

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Message from the Guest Editor

Dear Colleagues,

With the dramatic increase in antibiotic resistance in microbes, new knowledge regarding the mechanisms of this drug resistance is important for the development of novel therapies. These microbial resistance mechanisms focus on the modification of a drug target, its uptake limiting, and active efflux from microbial cells. Moreover, in many clinical settings, a biofilm represents a hazardous problem concerning many chronic infections involving these consortia of microbial cells enclosed by a polysaccharide matrix. A biofilm structure protects against antimicrobial agents and can stimulate their resistance mechanisms. The need for new knowledge regarding microbial resistance mechanisms seems crucial and is required for novel antibacterial agent design and applications. This Special Issue focuses on the molecular studies of microbial resistance mechanisms of planktonic or biofilm-forming cells, which might be considered as targets for new drugs action. These two topics of study are welcomed.





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Message from the Editor-in-Chief

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