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## Bioengineering on Study and Development of Innovative Antimicrobial Concepts

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Deadline for manuscript  
submissions:  
**closed (16 October 2023)**

### Message from the Guest Editors

Antimicrobial-resistant (AMR) bacteria are globally causing a substantial amount of death and a huge cost to public healthcare systems every year. Hence, insightful studies considering innovative antimicrobial concepts are important to discover the interaction mechanism between bacteria and materials, leading to new concepts for developing innovative antimicrobial materials. The mechanisms found regarding bacteria–bacteria interaction and bacteria–material interaction are helpful in designing new concepts to impede bacterial colonization on material surfaces. The obtained knowledge can guide the design of new materials to prevent bacterial colonization or effectively kill bacteria, which can be moreover applied in broad fields, e.g., implant design, water purification, biosensor development, and food packaging.

This Special Issue "*Bioengineering* on Study and Development of Innovative Antimicrobial Concepts" will promote original research studies and comprehensive reviews that focus on, but are not limited to: bacterial interaction regarding bacterial colonization/infection and new concept design of preventing bacterial colonization/infection bacterial sensing.



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