

Special Issue

Microbial Cell Surface Characterization: A Key to Understanding Adhesion and Biofilm Formation

Message from the Guest Editor

Microbial adhesion to abiotic materials is a major cause of biocontamination by pathogenic microorganisms and represents the initial step in biofilm formation. At the same time, adhesion plays a crucial role in the immobilization of cells in various biotechnological processes. This phenomenon results from physicochemical interactions between the material surface and the microbial cell surface. Unlike abiotic surfaces, cell surfaces are much more complex and require in-depth investigations for proper characterization. The objective of this issue is to present cell surface characterization methodologies and explore how cell surface properties influence microbial adhesion and its prediction.

Guest Editor

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