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## Responses of *Staphylococcus aureus* to mechanical and chemical stresses

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## ABBREVIATIONS



|         |   |
|---------|---|
| AFM     | atomic force microscopy                         |
| ANOVA   | analysis of variance                            |
| AUC     | area under the curve                            |
| CLSM    | confocal laser scanning microscopy              |
| CFU     | colony forming units                            |
| COF     | coefficient of friction                         |
| DLVO    | Derjaguin–Landau–Verwey–Overbeek                |
| DMT     | Derjaguin-Muller-Toporov                        |
| eDNA    | extracellular DNA                               |
| EPS     | extracellular polymeric substances              |
| FLBA    | fluorescence lectin-binding analysis            |
| FTIR    | Fourier transform infrared spectroscopy         |
| GEN     | gentamicin                                      |
| GFP     | green fluorescent protein                       |
| LLCT    | low load compression testing                    |
| MATH    | microbial adhesion to hydrocarbons              |
| MBC     | minimal bactericidal concentration              |
| MIC     | minimal inhibitory concentration                |
| MscL    | mechanosensitive channel of large conductance   |
| MscS    | mechanosensitive channel of small conductance   |
| NsaRS   | nisin associated sensitivity response regulator |
| OCT     | optical coherence tomography                    |
| OXA     | oxacillin                                       |
| PBS     | phosphate buffered saline                       |
| PE      | polyethylene                                    |
| PNAG    | poly-N-acetylglucosamine                        |
| PPFC    | parallel plate flow chamber                     |
| QCM-D   | quartz crystal microbalance with dissipation    |
| QNM     | quantitative nanomechanical mapping             |
| RIF     | rifampicin                                      |
| RT-qPCR | quantitative reverse transcription PCR          |
| SEF     | surface enhanced fluorescence                   |
| SEM     | scanning electron microscopy                    |
| SL      | Smoluchowski–Levich                             |
| SS      | stainless steel                                 |
| TFE     | total fluorescence enhancement                  |
| TSB     | tryptone soya broth                             |
| VAN     | vancomycin                                      |

