

## Special Issue

# Microbial Biofilms in Healthcare: Formation, Prevention and Treatment

### Message from the Guest Editor

Biofilms are ubiquitous and cause many problems in industry. However, no where do biofilms impact on human health and welfare as much as those that are found contaminating the healthcare environment, surgical instruments, equipment and medical implantable devices. Approximately 70% of healthcare associated infections are due to biofilm formation resulting in increased patient morbidity and mortality. Biofilms formed on reusable surgical instruments, such as endoscopes, have been shown to transmit infection from patient to patient while biofilms formed medical implants are recalcitrant to antibiotic treatment, which leaves implant removal as the principal treatment option. Research has focused on preventing biofilm contamination of equipment and implants by physical surface modification of materials or impregnation of biocides into materials whilst treatment options have investigated combination therapy involving dispersal agents and biocides. This Special Issue will detail recent advances in biofilm prevention, removal and treatment strategies practical for use in healthcare.

### Guest Editor

Dr. Karen Vickery

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### Deadline for manuscript submissions

closed (31 October 2018)



## Materials

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### Message from the Editor-in-Chief

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