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## **Polymer-Based Coatings in Prosthetics Research**

Guest Editors:

## Dr. Pablo Pennisi

Department of Health Science and Technology, Aalborg University, DK-9220 Aalborg, Denmark

## Prof. Dr. Sandra Van Vlierberghe

Polymer Chemistry & Biomaterials Research Group, Centre of Macromolecular Chemistry, Ghent University, Krijgslaan 281, S4 Bis, 9000 Ghent, Belgium

Deadline for manuscript submissions:

closed (30 September 2023)

## **Message from the Guest Editors**

The aim of this Special Issue is to collect recent studies that could make an important contribution to progress in polymer-based coatings for implantable medical prostheses. The scope includes both theoretical and experimental research, from studies looking to improve the surface properties of medical implants to novel manufacturing technologies, characterization methods, and applications.

Potential topics for original research articles and critical reviews include the following:

- Drug-releasing hydrogels;
- Coatings to mitigate foreign body reaction;
- Antibacterial hydrogel coatings;
- Antithrombogenic coatings;
- Approaches to improve the resistance to insertion forces;
- Conductive polymer hydrogels for neural prosthetic devices;
- 3D printing of hydrogels for use in prosthetic devices:
- Smart hydrogels for use in prosthesis research;
- Computational-based design of hydrogels.



