



## Polyelectrolyte Multilayer Coatings

Guest Editor:

**Prof. Dr. Klemen Bohinc**  
Faculty of Health Sciences,  
University of Ljubljana, 1000  
Ljubljana, Slovenia

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### Message from the Guest Editor

Dear Colleagues,

Recently, many attempts have been made to develop different types of coatings. In medicine, finding optimal antimicrobial and osteointegrative coatings is of special interest. Polyelectrolyte coatings are one of the most promising type of coatings to fulfil the desired properties for implantable devices, such as reduced bacterial adhesion and biofilm formation. A special but very important case of possible biomedical applications is the development of antibacterial polyelectrolyte multilayers. In examining these challenges, suitable topics for this Special Issue on “Polyelectrolyte Multilayer Coatings” include:

- Preparation of innovative Polyelectrolyte Multilayer Coatings;
- Characterization of coated surfaces;
- Development of antimicrobial surfaces;
- Development of new coatings for implants.





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State Key Laboratory of New  
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### Dr. Emerson Coy

NanoBioMedical Centre, Adam  
Mickiewicz University in Poznań,  
ul. Wszechnicy Piastowskiej 3, 61-  
614 Poznań, Poland

## Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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Coatings Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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