

## Special Issue

# Advances in Polyelectrolytes and Polyelectrolyte Complexes

### Message from the Guest Editors

Natural and synthetic polyelectrolytes have gained great interest in the last years for different applications.

Polyelectrolyte complexes (PECs) are micro-/nanostructured units with exceptional properties obtained via the polymeric interaction between cationic and anionic polyelectrolytes. This Special Issue aims to collect research papers, communications, and review articles with original contributions to the development of novel materials prepared using polyelectrolytes or polyelectrolyte complexes. Information about the relationship between the chemical structure of the polyelectrolytes and the characteristics of the PECs obtained from the morphology, thermal, optical, and/or mechanical properties of the materials based on PECs is relevant. The Special Issue covers, among other topics, polyelectrolyte and polyelectrolyte complexes in:

- Multilayers.
- Drug delivery.
- Wound healing and tissue engineering.
- Packaging films.
- Paper additives and coating.
- Membranes and gels.
- Bioadhesives.

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### Guest Editors

Dr. Paulina Mocchiutti

Prof. Dr. Anupama Sharma

Dr. Norma E. Marcovich

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### Deadline for manuscript submissions

closed (5 January 2025)



## Polymers

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### Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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