Special Issue

Biodegradable Polymers for Drug Delivery Applications

Message from the Guest Editors

The use of polymers has increasingly acquired a crucial role in drug delivery systems. Biodegradable polymers can offer the possibility to select the appropriate polymeric materials based on the chemical nature of drugs and on its application. Hyaluronic acid (HA), chitosan, and polylactic acid (PLA) are some of the widely biodegradable polymers used in the drug delivery field. The size of polymers can be different in relation to the drug-loading approach and the biological target, allowing to avoid fast clearance upon intravenous administration, prolong circulation half-life, and at the same time, increasing the probability of crossing various biological barriers and preventing accumulation in capillaries and/or other organs. The use of biodegradable polymers modulates the pharmacokinetic properties of various active substances due to the subcellular size of systems. Polymers vectors can be developed with different molecular organizations, for example, linear or branched, at following different macromolecular structures, for example, micelles or nanoparticles.

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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.

Editor-in-Chief

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