

# Special Issue

## Liquid Crystalline Polymers

### Message from the Guest Editor

The combination of liquid crystallinity with polymeric systems has been investigated for several decades, and it has increasingly realized its potential to achieve benefits, such as programmed and superior materials properties, more convenient polymer processing and smart responsiveness to a range of different stimuli. Research in this area is now very active, and there are numerous commercial applications. This Special Issue of *Polymers* aims to bring together pure and applied research papers on liquid crystal polymers (LCPs). Contributions on polymer design, modeling and synthesis will be welcomed, as will those devoted to structure/processing/properties and applications of LCPs as functional or structural materials. Main-chain and side-chain LCPs as well as polymer-liquid crystal blends, dispersions and encapsulations will fall within the scope of this Special Issue, as will the liquid crystalline properties of certain biopolymers. Examples of relevant applications could include high-tensile fibers and their processing, liquid crystal elastomers for sensors or actuators, pharmaceuticals, ferroelectrics and conducting LCPs in electronics, photonics and energy conversion.

### Guest Editor

Dr. Patrick Keller

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### Deadline for manuscript submissions

closed (30 November 2011)



## 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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