

# Topical Issue in e-Polymers: RECENT ADVANCES IN SMART POLYMERS AND THEIR COMPOSITES: FUNDAMENTALS AND APPLICATIONS

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## DESCRIPTION

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Smart polymers and their composites have attracted lots of attention from different societies, including polymer society, material society, composite society, etc. Despite the explosion of interests on the smart polymers and their composites, there are still many unknowns and challenges to be investigated, such as novel synthesis methods, new polymer structures, exciting properties, and functional applications. Therefore, this e-Polymer Topical Issue will provide a platform for fast publications of original research and (mini)review papers for researchers around the world. The optional topics will cover the recent fundamentals and applications of smart polymers and their composites, including but not limiting to the following key topics.

## KEY TOPICS

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Synthesis, structures, properties, and applications of smart polymers and their composites (SP/SPC):

- ▶ Self-healing SP/SPC
- ▶ Electroactive SP/SPC
- ▶ Shape-memory SP/SPC
- ▶ Thermoelectric SP/SPC
- ▶ Photochromic SP/SPC
- ▶ Electrochromic SP/SPC
- ▶ Thermo-responsive SP/SPC
- ▶ pH-responsive SP/SPC
- ▶ Light-responsive SP/SPC
- ▶ Magneto-responsive SP/SPC
- ▶ Mechanical-responsive SP/SPC
- ▶ Humidity-responsive SP/SPC
- ▶ Solvent-responsive SP/SPC

## HOW TO SUBMIT

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Before submission authors should carefully read the [Instructions for Authors](#).

In order to make the preparation of manuscript easier, you are advised to use the [Manuscript Template](#).

All submissions to the Topical Issue must be made electronically via the [ScholarOne submission system](#).

All manuscripts will undergo the standard peer-review process (single-blind, at least two independent reviewers). When entering your submission via online submission system please choose "**Topical Issue: Smart Polymers**".

Submission of a manuscript implies that the work described has not been published before and it is not under consideration for publication anywhere else.

The deadline for submissions is **December 31<sup>st</sup>, 2021**, but individual papers will be reviewed and published online on an ongoing basis.

Contributors to the Topical Issue will benefit from:

- ▶ indexation in Web of Science, SCOPUS, and many other services
- ▶ quick and constructive peer review provided by experts in the field
- ▶ no space constraints
- ▶ convenient, web-based paper submission and tracking system – ScholarOne
- ▶ quick online publication upon completing the publishing process (continuous publication model)
- ▶ better visibility due to Open Access
- ▶ long-term preservation of the content (articles archived in Portico)
- ▶ extensive post-publication promotion for selected papers

We are looking forward to your submission!

In case of any questions please contact the Managing Editor of e-Polymers (Dr. Krzysztof Dębniak, [epolymers.editorial@degruyter.com](mailto:epolymers.editorial@degruyter.com))