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### DESCRIPTION

*European Polymer Journal* is dedicated to publishing work on fundamental and applied polymer chemistry and macromolecular materials. The journal covers all aspects of polymer synthesis, including polymerization mechanisms and chemical functional transformations, with a focus on novel polymers and the relationships between molecular structure and polymer properties. In addition, we welcome submissions on bio-based or renewable polymers, stimuli-responsive systems and polymer bio-hybrids. *European Polymer Journal* also publishes research on the biomedical application of polymers, including drug delivery and regenerative medicine. The main scope is covered but not limited to the following core research areas:

#### **Polymer synthesis and functionalization**

- Novel synthetic routes for polymerization, functional modification, controlled/living polymerization and precision polymers.

#### **Stimuli-responsive polymers**

- Including shape memory and self-healing polymers.

#### **Supramolecular polymers and self-assembly**

- Molecular recognition and higher order polymer structures.

#### **Renewable and sustainable polymers**

- Bio-based, biodegradable and anti-microbial polymers and polymeric bio-nanocomposites.

#### **Polymers at interfaces and surfaces**

- Chemistry and engineering of surfaces with biological relevance, including patterning, antifouling polymers and polymers for membrane applications.

#### **Biomedical applications and nanomedicine**

- Polymers for regenerative medicine, drug delivery molecular release and gene therapy

The scope of *European Polymer Journal* no longer includes Polymer Physics. We would strongly recommend that authors consider submitting Polymer Physics papers to our excellent sister title *Polymer* <https://www.journals.elsevier.com/polymer>

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## ABSTRACTING AND INDEXING

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**To find out more, please visit the Preparation section below.**

### *INTRODUCTION*

European Polymer Journal acts as a medium for the exchange of research in the area of macromolecular substances, both synthetic and natural, and publishes results bearing on the physics or chemistry of polymers.

### *Types of paper*

Papers may fall either into the category of original papers dealing with substances of high molecular weight, or that of review articles covering the literature on topical aspects of polymer science.

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You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

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Abbreviations are used freely in European Polymer Journal, particularly in setting the Experimental Section. For the most part these are not followed by a full stop (period). Among the more commonly used abbreviations, these may be listed:

g kg mm cm ml cm<sup>3</sup> sec min hr n<sub>25</sub> D(x)<sub>25</sub> D<sub>25</sub><sup>o</sup> (without C which is always understood) l (litre) but m.p., b.p., in. (inch) but in<sub>2</sub> without a period.

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Main text,  
Acknowledgements,  
Appendix,  
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Example: '..... as demonstrated [3,6]. Barnaby and Jones [8] obtained a different result ....'

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[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, *J. Sci. Commun.* 163 (2010) 51–59. <https://doi.org/10.1016/j.Sc.2010.00372>.

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[2] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, 2018. The art of writing a scientific article. *Heliyon.* 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>.

Reference to a book:

[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [6] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

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