DESCRIPTION

Polymer Testing focuses on the testing, analysis and characterization of polymer materials, including both synthetic and natural or biobased polymers. Novel testing methods and the testing of novel polymeric materials in bulk, solution and dispersion is covered. In addition, we welcome the submission of the testing of polymeric materials for a wide range of applications and industrial products as well as nanoscale characterization.

The scope includes but is not limited to the following main topics:

Novel testing methods and Chemical analysis
- mechanical, thermal, electrical, chemical, imaging, spectroscopy, scattering and rheology

Physical properties and behaviour of novel polymer systems
- nanoscale properties, morphology, transport properties

Degradation and recycling of polymeric materials when combined with novel testing or characterization methods
- degradation, biodegradation, ageing and fire retardancy

Modelling and Simulation work will be only considered when it is linked to new or previously published experimental results.

AUDIENCE

Polymer, rubbers and plastics scientists and technologists, materials scientists.

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INTRODUCTION

Polymer Testing provides a forum for developments in the testing of polymers and polymeric products and is hence of interest to those concerned with testing rubbers and plastics in research, in production and in connection with the specification and purchase of products.

The journal covers all branches and aspects of testing, including new apparatus, new techniques and standards, together with their application to quality assurance and product development. The accent is on testing so that statistical experiment design and the relevance of methods in generating design data are covered; papers which report measured data of value to designers and technologists are also welcome.

The scope of the journal extends to all rubbers and plastics, including cellular materials, composites and polymeric based adhesives. All types of test, physical and chemical, are included from those on the basic polymer to the testing of products. There is equal concern with tests used in research and tests used every day in the factory.

Despite the range of materials, products and type of test, there is a common bond between workers involved in, or concerned with, the testing of rubbers and plastics. Polymer Testing provides a forum for publication of their work and discussion of matters of mutual interest which are not given full attention in other polymer technology journals.

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