DESCRIPTION

Reactive & Functional Polymers provides a forum to disseminate original ideas, concepts and developments in the science and technology of polymers with functional groups, which impart specific chemical reactivity or physical, chemical, structural, biological, and pharmacological functionality. The scope covers organic polymers, acting for instance as reagents, catalysts, templates, ion-exchangers, selective sorbents, chelating or antimicrobial agents, drug carriers, sensors, membranes, and hydrogels. This also includes reactive cross-linkable prepolymers and high-performance thermosetting polymers, natural or degradable polymers, conducting polymers, and porous polymers.

Original research articles must contain thorough molecular and material characterization data on synthesis of the above polymers in combination with their applications. Applications include but are not limited to catalysis, water or effluent treatment, separations and recovery, electronics and information storage, energy conversion, encapsulation, or adhesion.

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INTRODUCTION

The Journal publishes papers dealing with new ideas and developments in the science and technology of polymers with functional groups that provide specific chemical reactivity or physico-chemical behaviour.

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The Journal addresses two main audiences: those engaged in the synthesis of new materials and the development of novel techniques, and those concerned with technology and practical applications in the laboratory or plant. The Journal encourages, and serves as a forum for, the dialogue between these two groups.

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Contributions have to present thorough molecular and material characterisation data, and may deal with the synthesis of the above polymers or with their applications in organic synthesis, catalysis, water or effluent treatment, separations, recovery, lithography, microelectronics, information storage, energy conversion, diagnostics, drug delivery, biotechnology coating and encapsulation, and adhesion.

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