Special Issue

Recent Advances in Photosensitizer and Photosensitive System

Message from the Guest Editor

A photopolymerization reaction starts upon the light exposure of the reactants. Over the past decade, light has found wide applications in polymer science; for example, in polymer synthesis, the release of small molecules from polymers, polymeric photosensors, etc. Inherent to these technologies is the use of a photoactivator system which is capable of absorbing the incident UV and/or visible radiation wavelengths used for converting a monomer or prepolymer system into a linear polymer or crosslinked network.
In this Issue, the representative trends in investigations of light-induced polymerization and an overview of the photoinitiators based on synthetic or/and natural products, as well as their potentials for various future industrial applications (e.g., printing, enabling an unprecedented access to structures of incredible complexity, medical applications, photocomposite synthesis, manufacturing of fiber-reinforced polymers, protective coatings, dental fillings, adhesives, inks, rapid prototyping, and advanced high-technology purposes (micro and nano-fabrication, optoelectronics, holographic data storage, etc.)), will be highlighted and discussed.

Guest Editor

Dr. Janina Kabatc
Department of Organic Chemistry, Faculty of Chemical Technology and Engineering, Bydgoszcz University of Science and Technology, Seminaryjna 3, 85-326 Bydgoszcz, Poland

Deadline for manuscript submissions

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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