

Flame Retardant Coatings for Plastics and Textiles

Guest Editors:

Prof. Dr. Giulio Malucelli

Department of Applied Science
and Technology, Politecnico di
Torino, I-10129 Torino, Italy

Prof. Dr. Pavel Košťál

Department of Materials
Engineering, Technical University
of Ostrava, 17. listopadu 2172/15,
708 00 Ostrava-Poruba, Czech
Republic

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on the recent advances and emerging challenges in the field of flame retardancy achieved by applying coatings to such substrates as plastics (including polymer composites) and textiles. This is an up-to-date topic that deserves investigation both from an academic and industrial point of view, also considering the current restrictions on the use of flame retardants according to the recent European directives.

In particular, the topic of interest includes but is not limited to

- Hybrid O/I fire retardant coatings
- Intumescent fire retardant coatings
- Fire retardant coatings with multifunctional features
- Toxicity and environmental issues related to the use of fire retardant coatings

Prof. Dr. Giulio Malucelli

Prof. Dr. Pavel Košťál

Guest Editors



Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI