

Syntheses, Properties, and Applications of Organic Dyes and Pigments

Guest Editor:

Prof. Dr. Rodica Mariana Ion

Doctoral School of Engineering
Sciences, Valahia University of
Targoviste, 35 Lt. Stancu Ion,
130105 Targoviste, Romania

Deadline for manuscript
submissions:

closed (20 December 2023)

Message from the Guest Editor

Dear Colleagues,

Today, our world is surrounded by natural and synthetic colored molecules, termed colorants, characterized by mobile electrons that can be excited by visible light and then emit radiation in the visible range of the spectrum.

Recent literature is full of publications on the synthesis and characterization of new dyes and pigments. The aim of this Special Issue is to present research papers that renew the recent discoveries in the field of dyes and pigments. Organic and inorganic dyes will be presented for visible and near infrared regions, and their use in medical applications, such as cancer phototherapy and biomedical analysis, capture and storage of solar energy, optical images and color laser marking for security documents, will be exemplified, too. Last but not least, some of the materials for cultural heritage conservation will be addressed. Although this problem cannot be entirely solved in the field of application, the collection of articles in this Special Issue will be helpful for researchers, academics and industrial agents. Contributions as original articles and review articles are encouraged, covering different areas of application.



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