



Advances of Diamond Carbon Coatings

Guest Editors:

Prof. Dr. Witold Kaczorowski

Institute of Materials Science and Engineering, Lodz University of Technology, 90-924 Lodz, Poland

Prof. Dr. Damian Batory

Department of Vehicles and Fundamentals in Machine Design, Lodz University of Technology, 90-924 Lodz, Poland

Deadline for manuscript submissions:

closed (15 May 2022)

Message from the Guest Editors

Dear Colleagues,

Diamond-like coatings (DLC) have attracted an enormous amount of interest in recent years, and for good reason. We are able to change their properties by, e.g., doping with various elements, among these Si, Ag, and F deciding on their completely new properties. We can produce DLC on many different surfaces, from metallic to polymeric, both on a nano and microscale as well as on large, complex surfaces. We discover their new applications or expand their current ones, especially in medicine or electronics. The purpose of this Special Issue is to show the current trends in taking advantage of DLC coatings. Articles showing possibilities of surface modification with DLC or modification of DLC coatings, especially the change of surface properties under the influence of described coatings for innovative applications will be appreciated. In addition, thanks to these contributions, it will be possible to show the directions of development of today's research in this field.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

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

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

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci