

Special Issue

Recent Advances in Carbon/Graphite Coatings

Message from the Guest Editor

At present, commodity plastics are used for many technological applications; however, their insulator/dielectric characteristics strongly limit industrial exploitation in fields related to electronics and electrotechnics. Conductive polymers are not mechanically robust and do not have adequate physical/chemical characteristics for most practical uses, while electrically conductive polymeric composites (e.g., metal-filled composites, MW-CNTs composites) still have strong limitations related to the high filling content required for electrical conduction. As a consequence, the physical modification of the polymer surface by carbon or graphite coatings may represent a further and very convenient way to provide the polymer surface of convenient antistatic properties or electrical conductivity.

Guest Editor

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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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