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Surface Engineering of Metals and Alloys

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Deadline for manuscript submissions:
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Message from the Guest Editor

Nowadays, the surface treatments of metals and alloys allow to obtain on them the films or coatings with different physical and chemical properties from the substrate. The most often used surface modification methods are as follows electropolishing (EP, MEP) and plasma electrolytic oxidation (PEO), also known as Micro Arc Oxidation (MAO), electrophoretic deposition (EPD) and ion implantation (IM), chemical or physical vapor deposition (CVD, PVD), anodic oxidation, carburization nitrocarburization and passivation, laser treatments, hydrothermal treatments, abrasive treatments and shot peening as well as thermoreactive deposition and sol-gel coatings.

It must be pointed out that that present Special Issue in *Metals* is a continuation of closed already subject *Surface Treatment Technology of Metals and Alloys*, in which some aspects of surface modification by selected methods were presented. That way, I would like to invite all researchers interested in widely understood surface engineering of metals and alloys to present their results in papers related to both experimental and theoretical studies.

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Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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