# Special Issue

# Applied Engineering and Technology of Surface Engineering of Metals and Alloys

## Message from the Guest Editor

Surface engineering is an interdisciplinary topic which contains many branches of science related to materials science, chemistry, and physics. At present, multidisciplinary teams are working on new materials and novel coatings with optimized mechanical, electrical, electrochemical, and antibacterial properties. Surface modification methods such as electropolishing (EP, MEP); plasma electrolytic oxidation (PEO, also known as micro arc oxidation—MAO); electrophoretic deposition (EPD) and ion implantation (IM); chemical and physical vapor deposition (CVD, PVD); anodic oxidation; carburization, nitrocarburization, and passivation; laser treatments and hydrothermal treatments; abrasive treatments and shot peening; as well as thermoreactive deposition and sol–gel coatings are still under development in many laboratories all over the world. In addition, additive manufacturing technologies open up new possibilities in the production of machine elements and at the same time introduce new challenges related to surface treatment, creating new trends in the field broadly understood as surface engineering.

## Guest Editor

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## Deadline for manuscript submissions

closed (10 September 2024)

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## Message from the Editor-in-Chief

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