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# Nano-Structured Thin Films: Growth, Characteristics, and Application

Guest Editor:

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### Message from the Guest Editor

Thin-film materials are thin metal substances or organic substances materials with thicknesses ranging from a single atom to a few millimeters. Electronic semiconductor devices and optical coatings are the main applications of thin film technology today. Thin film technology has a wide range of applications. Many researches have used different thin films for computer storage devices, pharmaceuticals, manufacturing thin-film batteries, dye-sensitized solar cells, and more. In addition, the ceramic thin films also have a wide range of applications. To the relatively high hardness of ceramic materials, such films were used to protect substrates from corrosion, oxidation, and wear. The present Special Issue of Nanomaterials aims to present nano-structured thin films, specifically their growth, characteristics, and application in various fields of technology and science. In the present Special Issue, we invited contributions from leading groups in the field with the aim of providing a balanced view of the current stateof-the-art in this discipline.



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## Message from the Editor-in-Chief

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