

## Special Issue

# Recent Advances in the Growth and Characterizations of Thin Films

### Message from the Guest Editors

We would like to invite you to submit your work to a Special Issue on “Recent Advances in the Growth and Characterizations of Thin Films”. To achieve the desired properties of thin films, it is essential to optimize the processing parameters/conditions to control thin-film growth with physical and chemical methods, such as molecular beam epitaxy (MBE), pulsed laser deposition (PLD), magnetron sputtering, thermal evaporation, ultrasonic spray pyrolysis (USP), chemical vapor deposition (CVD), etc.

The topics of interest include but are not limited to

Progress in thin-film growth and characterization techniques;

Nanomechanical properties of thin films via the advanced nanoindentation technique;

Structural, morphological, optical, electrical, magnetic and thermoelectric properties of thin films;

Magnetotransport properties and ultrafast carrier and phonon dynamics of topological insulators;

Photocatalytic degradation of pollutants and PEC activity of metal oxides;

Theory and modeling of the physical properties of thin films.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 September 2022)



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## About the Journal

### 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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### Editors-in-Chief

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