

## Special Issue

# Thin Films for Environmental Applications

### Message from the Guest Editors

Thin films and engineered surfaces have a huge potential to both limit the production of pollutants and to mitigate against the effects of existing environmental contamination and greenhouse gases. This Special Issue aims to cover recent trends and the latest research advances in the field of thin film production, characterization, and application to such aspects as environmental remediation, clean manufacturing, and green energy production. In particular, the topics of interest include but are not limited to the following:

- Photocatalytic/catalytic thin films for depollution and disinfection;
- Energy storage materials;
- Thin films for H<sub>2</sub> production by water splitting;
- Graphene and graphene-based materials;
- Thin films for solar cells/fuel cells;
- Thin films for environmental sensors;
- Bioinspired thin films;
- Thin films for membranes and filters;
- Thin films for self-cleaning and anti-fouling surfaces;
- Advances in environmentally friendly methods of thin film production.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2019)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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