

## Special Issue

# Innovative Functional Textiles and Their Applications

### Message from the Guest Editor

This Special Issue welcomes articles that investigate novel textile technologies in numerous functional and protective apparel applications. Potential topics include, but are not limited to, the following:

- The impact of fluorine-free finishes on the performance and durability of functional apparel;
- Innovative wearable systems for biophysical and/or exposure monitoring;
- Assessments of material and design modifications for improved ergonomic mobility;
- Personal protective clothing and equipment's challenges and performance in the healthcare industry;
- The affect of various types of functional performance apparel on human performance;
- Assessments of the care and maintenance of novel finishes over the useful life of products;
- Novel findings related to developed methodologies used to assess innovative textile functionalities;
- The performance of innovative functional textiles in numerous apparel applications;
- The application of innovative textiles in PPE ensemble elements.

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### Guest Editor

Dr. Meredith McQuerry

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### Deadline for manuscript submissions

closed (20 December 2025)



## 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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