

# Special Issue “Surface Treatment of Textiles”

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Textiles are commonly composed of natural and synthetic fibers for normal applications. To impart functional or aesthetic effects on textiles, the surface characteristics in the fiber play an important role. Therefore, surface treatment or modification is a possible way to provide value-added properties to textiles. The textile material/fiber surface can be treated or modified physically and/or chemically to achieve different desired effects.

In connection with different development in the surface treatments of textiles with various applications, we developed a Special Issue in Coatings ([https://www.mdpi.com/journal/coatings/special\\_issues/Surf\\_Text](https://www.mdpi.com/journal/coatings/special_issues/Surf_Text), accessed on 18 August 2021) which aims to provide an open forum to draw the attention of academic researchers and industrial experts to investigate different aspects of the surface treatment of textiles. This Special Issue contains five manuscripts that cover different aspects of surface treatment of textiles:

- (1) Development of Durable Antibacterial Textile Fabrics for Potential Application in Healthcare Environment [1]
- (2) Microstructure and Properties of Polytetrafluoroethylene Composites Modified by Carbon Materials and Aramid Fibers [2]
- (3) Analysis of Surface Properties of Ag and Ti Ion-Treated Medical Textiles by Metal Vapor Vacuum Arc Ion Implantation [3]
- (4) An Investigation on the Thermal and Solar Properties of Graphene-Coated Polyester Fabrics [4]
- (5) Development of Advanced Textile Finishes Using Nano-Emulsions from Herbal Extracts for Organic Cotton Fabrics [5]

These manuscripts reflect the recent development of surface treatment of textiles with different applications. To introduce these recent developments to a wider readership, we collected these manuscripts and published this book. We hope that this book will promote new research topics in surface treatment of textiles in the academic field as well as help the industry to look for new production ideas.

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