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Special Issue Reprint

Advances in Textile Materials Chemistry

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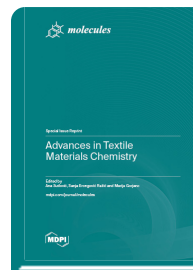
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The aim of *Advances in Textile Materials Chemistry* was to provide an overview of scientific research into the development of advanced textile materials with multifunctional or targeted properties, focussing on the use of modern and environmentally friendly processing methods. The book covers a wide range of topics. Firstly, it refers to research centred around the application of plasma in textiles with the interpretation of the mechanism. Furthermore, the textile industry is one of the largest sources of pollution, with water consumption and pollution being particularly prominent. For this reason, great importance is given to environmentally friendly textile processing technologies, as can be seen in the article on the synergy of cotton cationisation and textile digital printing. Textiles are expected to have multifunctional advanced properties. The contribution of research can be seen in manuscripts on the treatment of textiles with nanoparticles with the aim of improving antibacterial properties. Also, in recent decades, scientific research efforts have been made to revive and commercialise the use of natural dyes in textile dyeing. Research in the field of leather tanning with various tanning agents should be emphasised. Topics linked to the important field of textile care, i.e., the efficiency of the washing process in households, were also explored. The advantage of natural adsorbents and by-products in the purification of textile waste water is also emphasised.



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