



## Advances in Military Textiles and Personal Equipment (Woodhead Publishing Series in Textiles)

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### **Advances in Military Textiles and Personal Equipment (Woodhead Publishing Series in Textiles)** From Brand: Woodhead Publishing

The right clothing and equipment is of vital importance to the survival and effectiveness of military personnel. *Advances in military textiles and personal equipment* summarises key research on the design, manufacture and applications of military textiles.

Beginning with an overview of design issues, part one explores anthropometric methods, psychological, colour and camouflage issues related to the successful design of military textiles. Materials and design issues in military helmets, footwear and hand wear are also reviewed. Part two goes on to consider applications of particular types of military clothing and equipment, including optimisation of body armour design, high performance ballistic protection using polymer nanocomposite technology as well as advances in materials and modelling of chemical, biological, radiological and nuclear protective clothing. Finally, *Advances in military textiles and personal equipment* looks specifically at designing load carriage and advanced hydration systems for military personnel.

With its distinguished editor and international team of expert contributors, *Advances in military textiles and personal equipment* is an invaluable resource for all those working in the design, manufacture and production of military clothing and equipment, as well as for the defence industry itself.

- Summarises key research on the design, manufacture and applications of military textiles
- Begins with an overview of the issues related to the successful design of military textiles and reviews materials and design issues in military helmets, footwear and hand wear
- Sections consider applications of particular types of military clothing and equipment, including optimisation of body armour design, and discusses advances in materials and modelling of chemical, biological, radiological and nuclear protective clothing

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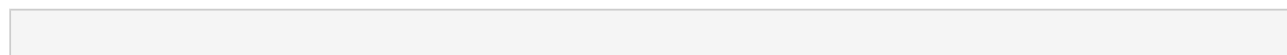
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#### **Review**

Provides excellent grounding in the latest developments in military textiles and protective clothing., CBRNe World

A valuable source of knowledge for researchers and designers of protective textiles and clothing for defence applications., CBRNe World

#### **About the Author**

*Dr Emma Sparks* is a Course Director in the School of Defence and Security, Cranfield University, an academic provider to the Defence Academy, UK.

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