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Nota di contenuto	Chapter 1. Introduction - Towards multidisciplinary trajectories for the study of ancient textiles and fibres (Francesca Coletti, Vanessa Forte, Christina Margariti and Stella Spantidaki) -- Chapter 2. Using Scanning Electron Microscopy for the Study of Mineralised Textiles: The Case of Roman Venetia (Margarita Gleba and Maria Stella Busana) -- Chapter 3. A button, a hook and a rug paper wrapping - Identifying plant fibre finds from Hailuoto, Finland (Jenni A. Suomela and Sanna Lipkin) -- Chapter 4. The effects of carbonisation on the morphology of textile fibres. Comparison between modern and ancient materials: The example of Pompeii (Francesca Coletti and Christina Margariti) -- Chapter 5. Multi-analytical approach for the characterisation of ancient mineral fibres. Tracing the use of asbestos in the Italic Peninsula (Francesca Coletti, Alessandro Ciccola and Paolo Postorino) -- Chapter 6. Revealing the unknown: how multi-technical approach can be crucial in identification of dyes and protein in archeological remains (Ilaria Serafini, Alessandro Ciccola, Roberta Curini, Gabriele Favero, Gwénaëlle M. Kavich, Timothy P. Cleland and Caroline Solazzo) -- Chapter 7.

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Sommario/riassunto

This book is dedicated to the analytical methods and approaches applied to ancient textiles and fibres. It offers an overview of textile archaeology as an archaeological discipline, presenting its history and developments up to state of the art approaches in the study of textiles fibres. It demonstrates how various fields of research have contributed to the development and growth of the discipline. It establishes that fibre identification is a key element in ancient textile studies, showing its importance in understanding a large variety of economic and social aspects of human societies. However, fibre identification in archaeological textiles is not a straightforward task, mainly due to the vast variety of fibres people used in antiquity to make textiles and the more often than not poor condition of preservation of excavated textiles. Currently, comprehensive studies on more traditional fibre identification techniques, such as Scanning Electron and Optical microscopy, spectroscopic techniques (e.g. Fourier Transform Infrared spectroscopy - FTIR, Raman) and recent advances in DNA and paleoproteomics, along with experiments on artificial ageing and deterioration of textiles, constitute a promising path down the exploration and analysis of archaeological textiles. This book shows how these techniques have advanced the discipline of textile archaeology and contributed to our understanding of the past. This volume brings together scholars investigating fibres in a holistic way, by the incorporation of a variety of methods, in order to improve the current methodological approaches in the study and conservation of textiles and related material. Chapter 6 is available open access under a Creative Commons Attribution 4.0 International License via link. [springer.com](https://www.springer.com).
