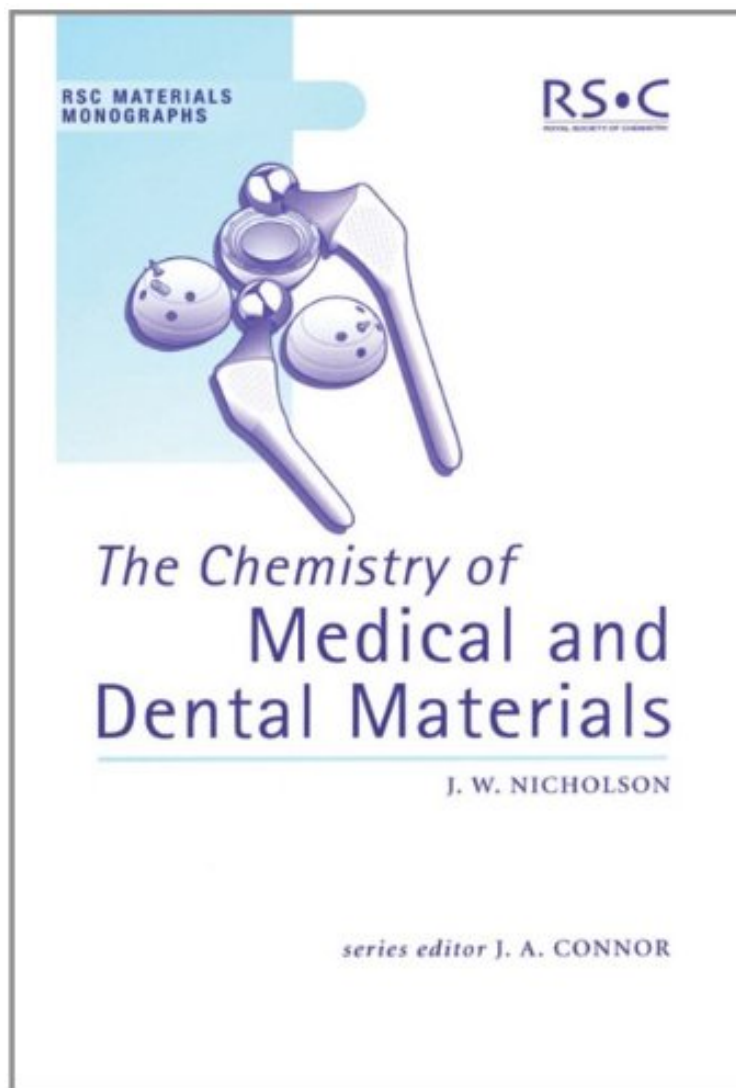


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The Chemistry of Medical and Dental Materials: RSC (RSC Materials Monographs)

John W Nicholson

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before purchasing it in order to gauge whether or not it would be worth my time, and all praised The Chemistry of Medical and Dental Materials: RSC (RSC Materials Monographs):

Implants into the human body, such as hip joints, heart valves and dental crowns, have been increasingly used over the

last 40 years or so, and many patients have benefited from their use. But how much is known about the metals, ceramics and polymers that are used in these repairs? This book provides a state-of-the-art account of the chemistry of the synthetic materials used in medicine and dentistry. It looks at the properties and interactions of these materials within the body at a molecular level, and includes discussion of bioengineering and cell biology. In addition, there is an account of the surgical procedures used, as well as extensive coverage of the possible biological reactions to the presence of foreign materials in the body. A brief look at the emerging field of tissue engineering completes the text. Fully referenced, with detailed reviews of the current literature, *The Chemistry of Medical and Dental Materials* will be an essential starting-point for all those in academia and industry who are involved in the development of new and improved repair materials.

"... is well-worth reading and provides a good description of the present state of the art in the field of biomaterials."
(*Angewandte Chemie, International Edition*, Vol 42, No 25, 30 June 2003)