



Materials Science for Dentistry (Woodhead Publishing Series in Biomaterials)

By B W Darvell



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Materials Science for Dentistry has established itself as a standard reference for undergraduate and postgraduate courses in dentistry. It provides a fundamental understanding of the materials on which dentistry depends, covering those aspects of structure and chemistry which govern the behaviour and performance of materials in use. Particular materials discussed include gypsum, polymers, acrylic, cements, waxes, porcelain and metals. Other chapters review topics such as surfaces, corrosion, mixing, casting, cutting and bonding as well as mechanical testing. This edition, which adds a chapter on further aspects of mechanical testing, has been extensively revised with, for example, new material on condensation silicone and phosphate-bonded investment chemistries, mixing, MTA™ and alternative radiographic imaging techniques.

Now in its ninth edition, Materials Science for Dentistry continues its reputation as the most authoritative available reference for students of dentistry. It is also a valuable resource for academics and practitioners in the field.

- Offers a fundamental understanding of the materials on which dentistry depends, covering their structure and chemistry
- Extensively revised to keep it up-to-date with the latest developments
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Review

... a truly excellent book that covers the topic in greater depth and with greater authority than other dental texts., Professor Timothy F. Watson, King's College London, UK

There is no doubt – it is the best in the field., Professor Nikhil K. Sarkar, Louisiana State University, USA

About the Author

Dr Brian W. Darvell DSc CChem CSci FRSC FIM FSS FADM, formerly University of Hong Kong, Hong Kong and is now Professor in Dental Materials Science at Kuwait University, Kuwait.

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