# Emerging Nanotechnologies in Dentistry: Processes, Materials and Applications (Micro and Nano Technologies)

*From William Andrew*
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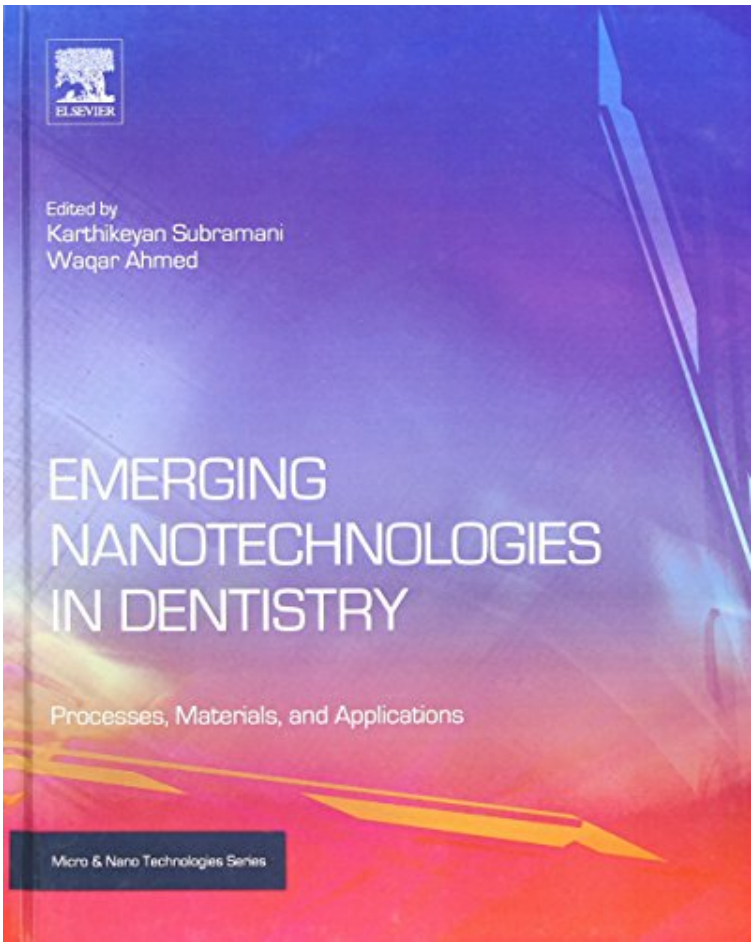




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**From William Andrew : Emerging Nanotechnologies in Dentistry: Processes, Materials and Applications (Micro and Nano Technologies)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Emerging Nanotechnologies in Dentistry: Processes, Materials and Applications (Micro and Nano Technologies):

New nanomaterials are leading to a range of emerging dental treatments that utilize more biomimetic materials that more closely duplicate natural tooth structure (or bone, in the case of implants). The use of nanostructures that will work in harmony with the bodys own regenerative processes (eg, to restore tooth structure or alveolar bone) are

moving into clinical practice. This book brings together an international team of experts from the fields of nanomaterials, biomedical engineering and dentistry, to cover the new materials and techniques with potential for use intra-orally or extra-orally for the restoration, fixation, replacement, or regeneration of hard and soft tissues in and about the oral cavity and craniofacial region. New dental nanotechnologies include the use of advanced inorganic and organic materials, smart and biomimetic materials, tissue engineering and drug delivery strategies.Book prepared by an interdisciplinary and international group of bio-nanomaterial scientists and dental/oral biomedical researchersComprehensive professional reference for the subject covering materials fabrication and use of materials for all major diagnostic and therapeutic dental applications repair,restoration, regeneration, implants and preventionBook focuses in depth on the materials manufacturing processes involved with emphasis on pre-clinical and clinical applications, use and biocompatibility

About the AuthorAssistant Professor of Dental Medicine at Roseman University of Health Sciences, USA. He was the recipient of the prestigious 2006 Andre Schroeder Research Prize from Straumann (Switzerland) for his innovative research findings during his Biomedical Nanotechnology degree program in the United Kingdom. Dr. Subramani was involved in the International Team for Implantology (ITI) funded research projects in Switzerland, the Netherlands and in the USA. He has authored numerous peer-reviewed research papers and review manuscripts and has authored numerous book chapters. He is also the editor of the Elsevier book Nanomaterials in Clinical Dentistry together with Waqar Ahmed.Professor of Nanotechnology at the University of Central Lancashire, UK. His research interests include the synthesis of nanomaterials and nanoparticles and their applications in medicine, dentistry and energy applications