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| Nota di contenuto | Frontmatter -- Preface -- Contents -- List of Contributing Authors -- 1. Ceramic polymer composites for hard tissue applications / Victor, Sunita Prem / Sharma, Chandra P. -- 2. HAp-metal based biocomposite coatings and characteristics of plasma-deposited HAp-Ti/Ti6Al4V coatings / Zhou, Xuan / Guduru, Ramesh K. -- 3. Hydrogels based on poly(vinylalcohol) for cartilage replacement / Volpe, Julieta / Masi, Lucía M. / Alvarez, Vera A. / Gonzalez, Jimena S. -- 4. Polymer composites for cemented total hip replacements / Arun, S. / Sreekanth, P. S. Rama / Kanagaraj, S. -- 5. Bioresorbable composites for bone repair / Pina, Sandra / Ferreira, José M.F. -- 6. Bioactive glasses and glass-ceramics / El-Damrawi, G. / Doweidar, H. -- 7. Metal oxide-based one-dimensional titania nanostructures via electrospinning: Characterization and antimicrobial applications / Hassan, M. Shamshi / Amna, Touseef / Bououdina, Mohamed / Khil, Myung-Seob -- 8. Hydrogels for biomedical applications / Russo, Luisa / Zaccaria, Sabrina / Autiello, Maria Assunta / Borzacchiello, Assunta -- Index |
| Sommario/riassunto | Composite materials are engineered materials, made from two or more constituents with significantly different physical or chemical properties which remain separate on a macroscopic level within the finished |

structure. Due to their special mechanical and physical properties they have the potential to replace conventional materials in various fields such as the biomedical industry.