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| Nota di contenuto | 1 Introduction to in-situ forming hydrogels for biomedical applications -- 2 Biodegradable Thermogelling Poly(organophosphazenes) and Their Potential -- 3 Designing Hydrogels by ATRP -- 4 Supramolecular Soft Biomaterials for Biomedical Applications -- 5 Peptidic Hydrogels -- 6 Polymeric Supramolecular Hydrogels as Materials for Medicine -- 7 Hydrogels for Stem Cell Fate Control and Delivery in Regenerative Medicine -- 8 From bench to bedside – An example of an in-situ hydrogel in vivo applications. . |
| Sommario/riassunto | This book presents the research involving in situ gelling polymers and can be used as a guidebook for academics, industrialists and postgraduates interested in this area. This work summarises the academic contributions from the top authorities in the field and explore the fundamental principles of in situ gelling polymeric networks, along with examples of their major applications. This book aims to provide an up-to-date resource of in situ gelling polymer research. |

