

1. Record Nr.	UNINA9910299705003321
Titolo	In-Situ Gelling Polymers : For Biomedical Applications // edited by Xian Jun Loh
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2015
ISBN	981-287-152-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (229 p.)
Collana	Series in BioEngineering, , 2196-8861
Disciplina	54 541.2254 610.28 620.11
Soggetti	Polymers Biomaterials Biomedical engineering Polymer Sciences Biomedical Engineering and Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
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 summaries 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.

