

This book addresses important biomaterials which are commonly used to fabricate scaffolds and it describes two major protocols employed in scaffold fabrication. Tissue engineering or regenerative medicine aims at restoring ex-novo tissues and organs whose functionality has been compromised as a consequence of diseases or traumatic events. The innovative concept underlying tissue engineering is the use of autologous cells, obtained from a biopsy of the patient. Cells are seeded on a porous scaffold which has the role of supporting and guiding cells towards the development of tissue-like structures as well as providing a platform for the delivery under controlled condition of growth factor release, etc. The successful manufacture of scaffolds for tissue engineering applications is crucial. In this book, these biomaterials are discussed. The book also covers illustrated examples, structure and properties of scaffolds, cellular interactions and drug delivery.

An Evaluation of a Two-Dimensional Model for Transport of a Slug Release in a Meandering Channel (Technical Report Series, Crwr 207), What Works: Essays on Learning to Live a Godly Life, Telepathy: Mental Telegraphic Communication And What It Is And How It Is Done, The Man in the Mirror, Horny Housewives and Big Black Men Bundle (Interracial Erotic Romance Bundle), Himalayan Pilgrim: A Chronicle of Independent Trekking Through Nepals Less-Traveled Regions, Economic Survey of Latin America and the Caribbean, 1983/Sales No E/85.Ii.G.2 (v. 2), A Critical and Chronological History of the Rise, Progress, Declension, and Rivival Volume 1, You Get One Shot at Life: Aim for Success, Petroleum Engineering : Drilling & Well Completion,

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