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Nota di contenuto	Investigation of Hydrogel-Based 3D Model on The Progression of Multicellular Breast Tumor Spheroids -- Fabrication of 3D printed structures based on Carboxymethyl Chitosan and Oxidized Polysaccharide Bio-inks -- A Review of Self-crosslinking Natural Polymeric Hydrogels as Promising Bioinks for Extrusion-based 3D Bioprinting in Cartilage Engineering -- Investigation of 3D-printed Scaffold Properties under CaCl <sub>2</sub> Post-crosslinking.
Sommario/riassunto	This book presents cutting-edge research and developments in the field of biomedical engineering, with a special emphasis on results

achieved in Vietnam and neighboring low- and middle-income countries. Gathering the second volume of the proceedings of the 10th International Conference on The Development of Biomedical Engineering in Vietnam, BME 10, held on July 25-27, 2024, in Phan Thiet, Vietnam, it describes advances in molecular and cellular biology techniques, neuroengineering techniques, and statistical and computational methods, for different biomedical applications, such as drug delivery, medical diagnosis and monitoring. A special emphasis is given to advances promoting Healthcare Evolution towards 5P Medicine in Low- and Middle-Income Countries Ecosystem. All in all, this book offers important answers to current challenges in the field and a source of inspiration for scientists, engineers, and researchers with various backgrounds working in different research institutes, companies, and countries.

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