



Protein and Carbohydrate Biopolymers for Biomedical Applications

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Abstract : Now a day the strategies to use regenerative medicines are hugely concentrated on recovery of pathologically modified tissue architecture by implanting the cell of different type in a supportive 3-D structure well known as scaffold made up of different biomaterials. From last few decades the more importance is given to such materials which are biologically active, show biocompatibility and biodegradability. These materials provides analogous environment to the ECM and provide induced rate of synthesis or growth of the tissue. There are several natural and synthetic polymers are available which shows intrinsic bioactivity, biocompatibility and biodegradability. These can be used in the application of drug delivery, trauma, wound healing, tissue engineering, and in the designing of different implantable medical devices. This review discusses different protein and carbohydrate biopolymers which are used in different tissue engineering applications.

Keywords : protein biopolymers, carbohydrate biopolymers, Biomedical.

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