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Laleh Ghasemi-Mobarakeh, Molamma P Prabhakaran, Lingling Tian, Elham Shamirzaei-Jeshvaghani, Leila Dehghani, Seeram Ramakrishna

#### Abstract

Tissue engineering is a multidisciplinary field that applies the principles of engineering and life-sciences for regeneration of damaged tissues. Stem cells have attracted much interest in tissue engineering as a cell source due to their ability to proliferate in an undifferentiated state for prolonged time and capability of differentiating to different

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