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**Name of Journal:** *World Journal of Stem Cells*

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**Recent trends in stem cell-based therapies and applications of artificial intelligence in regenerative medicine**

Recent trends in stem cell-based therapies

Sayali Mukherjee, Garima Yadav, Rajnish Kumar

### Abstract

Stem cells are undifferentiated cells that can self-renew and differentiate into diverse types of mature and functional cells while maintaining their original identity. This profound potential of stem cells has been thoroughly investigated for its significance in regenerative medicine and has laid the foundation of cell-based therapies. Regenerative medicine is rapidly progressing in healthcare with the prospect of repair and restoration



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Affiliations 1 Department of Cardiovascular and Thoracic Surgery, Translational Medical Center for Stem Cell Therapy & Institute for Regenerative Medicine, Shanghai East Hospital, Tongji University Scho +

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