



I am very proud and honoured for the opportunity to organize this special edition named “3D Printing for Medicine: Biomaterials, Processes and Techniques” inside the International Journal of Advances in Medical Biotechnology (IJAMB), whose theme is a rapidly growing field in health deserving spotlight by its new scientific and technological developments oriented for society.

In this IJAMB special edition readers will find a collection with 8 interesting papers visiting topics comprehending bio-fabrication of skin development by 3D bioprinters; cartilage types and most recent studies towards possibilities of tissue regeneration including bioprinting use; the development of smart biomaterials usable as intelligent gels for biomedical aspects; the electrospinning technique for building micro- and nanofibers in order to fabricate scaffolds for tissue engineering; bio-inks created for extrusion-based 3D printing of scaffolds for regenerative medicine; computational simulation of fluid flow and cells growth in scaffolds to be used as human auricular cartilage for microtia repparing; the concept of robocasting, an additive manufacturing technique, to extrude colloidal systems to be used as bioceramic scaffolds in tissue engineering; and finally a very fresh survey concerning the current brazilian innovation system on tissue engineering and bioprinting and its perspectives taking into account entrepreneurship and innovative issues. I hope readers enjoy this selection of papers !

Lastly, I may not end my work without express my sincere and enthusiastic thanks to the editorial members of IJAMB besides Dr. Hernane Barud for this kind invitation and the choice to bring high level researchers and their results and the current state-of-the-art of each topic presented to enrich IJAMB and this special edition. It is highlightable the work of all reviewers for those work and the direct and indirect people involved in this project.

Welcome to the International Journal of Advances in Medical Biotechnology !



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