

Editorial: Frontiers in Biomedical Technologies

It is our pleasure to release the first issue of the journal of Frontiers in Biomedical Technologies (FBT) as a quarterly publication. The editorial team would like to take this opportunity to briefly describe the main motivation behind launching FBT, and the objectives to be pursued in the future. In doing so, we endeavor to clarify for researchers, Engineers, implementers, funders and policy-makers how we believe that FBT fits into the state-of-the-art expanding technology and science development.

The journal of Frontiers in Biomedical Technologies is the official scientific quarterly publication of the Institute for Advanced Medical Technologies (IAMT), affiliated with Tehran University of Medical Sciences (TUMS). The editorial board of the journal is planned to include a group of highly-recognized scientists, technologists and researchers worldwide.

The target of the journal of Frontiers in Biomedical Technologies is to provide a source for exchanging and presenting the results of the latest research works related to different disciplines in biomedical technologies, with the principal objective of promoting the level of health care in different fields of biomedicine through innovative technology developments. The journal of Frontiers in Biomedical Technologies also contributes in this effort by publishing outcomes of new scientific and technological investigations. The subjects covered by the journal include innovative medical technologies, diagnostic tools, systems and devices, such as medical

robotics; surgical navigation; clinical and preclinical medical imaging (diagnostic radiology, quantitative imaging); molecular imaging (magnetic resonance imaging, ultrasound imaging, nuclear medicine, optic and laser); tissue engineering; neural engineering; modeling and control of biological systems; signal and image processing; cognitive sciences and nanobiomimetics technology.

The journal will provide a forum through which ideas, thinking, comments and findings can be disseminated to the industry, professional and academic worlds across a broad spectrum of areas. The journal welcomes multidisciplinary articles that relate a wide range of healthcare technologies. The main idea behind collecting material from both disciplines of technology and medicine in a scientific journal is to connect all researchers in those fields, hoping to open a road to improve the quality of healthcare with the presence of advanced technologies in medicine.

It is my pleasure to serve FBT as the editor-in-chief. I do appreciate contributions of all authors who have tried their best to present their works through the scientific writing. I would like to thank the referees who have not only carefully reviewed the manuscript, but also did provide many constructive feedback which have been extremely helpful and of great importance in leveling up the journal standards. I would also like to extend our grateful thanks to all colleagues in the editorial team. We will keep improving the FBT to a high-quality and well-recognized international journal.

Mohammad Reza Ay, PhD
Editor in Chief
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