

Welcome to Advanced Biomaterials and Devices in Medicine

Dear readers,

We would like to welcome you to this new journal: *Advanced Biomaterials and Devices in Medicine* (ABioDeM). We are deeply honored and proud to chair the Journal Editorial Board consisting of world-renowned scientists in a broad spectrum of disciplines relevant to biomaterials and medical devices.

ABioDeM is a multidisciplinary peer-reviewed journal that will cover all aspects of materials science in medicine and will provide rapid high-quality publication of peer-reviewed original research, review articles and short communications. The launch of the journal seems timely, given the recent extraordinary growth in healthcare-related biomaterials research. Although there are already several good journals in this fascinating field, they are incapable of absorbing the ever growing numbers of submitted articles. ABioDeM will, therefore, present some new opportunities for scientists, engineers and clinicians from academia and industry to share their scientific findings and novel technologies in biomaterials and medical devices for tissue repair, replacement and regeneration as well as for diagnostic and interventional procedures.

The journal invites papers in all fields of biomaterials, from basic research to clinical applications and devices, including but not limited to, orthopedic, cardiovascular and neurological devices, devices for image guided intervention, tissue engineered devices and drug cell delivery systems. Studies of the relationship between the processing, structure, properties, design and clinical performance of biomaterials and devices will be especially welcome. ABioDeM will be published four times a year and each journal issue will contain at least one review article.

In this inaugural issue of the journal, we would also like to initiate a "Discussion Corner" aimed to those wishing to introduce new concepts or to debate issues related to the medical use of materials. The definitions of "biomaterial", "biocompatibility" and "medical device" that have long been challenged by the leading scientists in the field could be a timely topic for such discussion.

Finally, we would like to thank the authors and reviewers for the effort they have put in keeping our tight deadlines and contributed to this first issue of ABioDeM. It is planned that Elsevier will assume publication of ABioDeM in 2015. We invite you to submit your manuscripts to future editions and look forward to working with you. Enjoy reading the papers that follow.

Sergey G. Psakhie
Editor-in-Chief

Irena Gotman
Vice Editor-in-Chief