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Editorial

Preface

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It is both an honor and a privilege to introduce this inaugural issue of Biomaterials Connect. Biomaterials Connect is a newly established journal that intends to be an inclusive forum for all researchers, scientists, engineers, and professionals working within the various fields of biomaterials science. The purpose is to encourage the contribution to multi-disciplinary interaction, the diffusion of new ideas, and contributing to biomaterials research and applications, but in particular those related to medicine and dentistry.

Biomaterials Connect is based on the belief that biomaterials would continue to form the foundation of healthcare advances. In collaboration with ***Scifiniti***, we are committed to delivering a premier, peer-reviewed journal to fulfill the multi-faceted and changing biomaterials community needs. Now more than ever, it is critical to remove the barriers among disciplines and provide the fertile ground on which cutting-edge research will flourish to enhance health and improve quality of life.
It is a matter of great pride to present a collection of articles that really highlights the breadth and depth of biomaterial research. This issue features two state-of-the-art review articles; one focused on the biofunctional applications of chitosan in dentistry, and another examining the role of MEMS and nanomaterials in the advancement of diagnostics and therapeutics in healthcare. In addition, this issue presents three experimental studies addressing current challenges in medicine and dentistry. These include an investigation into the effects of surface treatment of hemp fibers on the properties of polyethylene composites, a study on the synthesis and characterization of laurate ester of acetate cellulose, and research on the translucency and polymerization efficiency of contemporary resin composites. Finally, we shortly discuss the disruptive potential of 3D printing in the biomaterials field.

Biomaterials Connect will cover a broad scope including, but not limited to, tissue engineering, medical devices, dental implants, biocompatibility, nanotechnology, and 3D printing. Original research articles, reviews, perspectives, and commentaries that contribute to the development of biomaterials science are invited. We aim to create a forum for an interactive and creative community that challenges established dogma through facilitating research across disciplinary boundaries.

I feel very privileged to stand as ***Editor-in-Chief*** of this journal, having such an enthusiastic Editorial Board and such an extended network of renowned reviewers. We have one common goal, which is to maintain standards of scientific stringency and integrity as high as possible. I now call on all researchers from the international community to join this exciting journey and share valuable inputs and results with Biomaterials Connect.

Thank you for your support, and I hope you find this first issue both informative and inspiring.

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