Foreword

Being in the domain of education for quite a while, I have had the chance to observe the extraordinary growth of the field of bioengineering and biomedical engineering, and to appreciate its vital contribution to the advancement of healthcare. Undoubtedly, keeping up with such rapid changes in this field might be a daunting task, and to be able to address all the underlying issues of this field requires a gelled body of authorities in the various subdisciplines that constitute bioengineering and biomedical engineering as we know it today. Hence, one can readily discern the significance of the peer-reviewed Handbook of Research on Biomedical Engineering Education & Advanced Bioengineering Learning: Interdisciplinary Concepts, not only within the developed world, where this field is rather advanced, but also in the developing and transitional regions, where the field is currently flourishing.

I am fascinated, yet not astounded, by the ability of the editor in putting together such a fantastic team of esteemed authorship, peer reviewers, and editorial advisory board from numerous countries distributed over the six continents. The authors of the various chapters come not only from different universities and countries, but also from different scientific backgrounds, reflecting the myriad of academic disciplines that bioengineering and biomedical engineering relates to.

The eighteen chapters that comprise this handbook comprehensively cover the aspects of research associated with bioengineering and biomedical engineering learning. The authors of the individual chapters have done well in simplifying the jargon of the field, so that even a non-academician could navigate through the pages and chapters with ease, in a smooth, compartmentalized manner, and with evident lucidity. In addition, the authors and the editor have coordinated their efforts competently so that the final product comes out with minimum overlapping among its constituent chapters.

I am confident that this handbook will prove to be a useful reference, and that it will be favorably welcomed by the educated community, in the hope that it will serve to constitute a turning point in the furtherance of this kind of scientific knowledge, to the betterment of humanity.

Hiam Sakr
President
American University of Science & Technology, Lebanon