Bahattin Koc, Ph.D.
Professor and Chairman, Manufacturing Engineering Program,
Director of Bioprinting and Additive Manufacturing Labs, Sabanci University Nanotechnology and Application Center (SUNUM) and Integrated Manufacturing Center (SU-IMC),
Sabanci University, Turkey.

Biography:

Bahattin Koc is Full Professor of Manufacturing Engineering at the Sabanci University (SU). He received his Ph.D. and M.S. degrees in Industrial Engineering (Manufacturing) from North Carolina State University in 2001 and 1997 respectively. He was an Associate Professor (Tenured) of Industrial and Systems Engineering at the University at Buffalo (UB) before joining to Sabanci University in 2010. Dr. Koc is a founding member and currently the Program Coordinator (Chair) of the Manufacturing Engineering Program at Sabanci University. Dr. Koc is also the faculty member of the Industrial Engineering Program and an affiliated faculty member of the Material Science and Nanoengineering Program at Sabanci University. He is also the Board member of the Faculty of Engineering and Natural Sciences and also Integrated Advanced Manufacturing Center at Sabanci University. He is the director of 3D Bioprinting and Additive Manufacturing Labs at Sabanci University Nanotechnology Research and Application Center.

Dr. Koc's research interests include three dimensional (3D) Bioprinting, computational biomodelling and biofabrication, additive manufacturing, heterogeneous object modeling and nano/micro-scale modeling and manufacturing. He has been researching in Additive Manufacturing area for over 20 years and 3D Biofabrication area for over 15 years. He has published his research results in over 90 scientific papers (journals, book chapters, and conference proceedings), in top journals such as Biofabrication, Nature Scientific Reports, Biotechnology and Bioengineering, Materials and Design and Computer-Aided Design and more. He holds three patents/patent applications related to bioprinting/tissue engineering. He is one of the pioneers of direct cell printing of macro-vascular constructs. His work related to 3D Bioprinting of aortic construct with live cells has been highlighted in several media outlets such as BBC horizon, CNN Turk and the other TV channels and newspapers.

Dr. Koc's research work has been recognized by several international and national awards. Dr. Koc is the recipient of Elginkan Foundation Science and Technology Award, Turkish Heart Association Award, Marie Curie Career Integration Award by EU Research Agency, Most Cited Author in Computer Aided Design Journal Award from Elsevier, University at Buffalo (UB) STOR Inventor Award, UB Reifler Award and UB Interdisciplinary Research and Development Award and more.

As PI/Co-PI, Dr. Koc received funding of more than $9.5 million for his research work. His research work has been supported by major national and international research agencies and organizations such as the Scientific and Technological Research Council of Turkey, the European Research Council FP7, and the U.S. Army Medical Research.

Statement:

I am the founding member of the International Society of Biofabrication and published in the first inaugural issue of Biofabrication Journal. I have been contributing to the Biofabrication journal since the first issue. I have also been attending almost all the Biofabrication Conferences and serve as session chairs at the several conferences. I am an active member of the International Society of Biofabrication (ISBF) and our community, and I will be honored to continue to serve further as a Board member for the ISBF. With more than 15 years of experience and research in Bioprinting and computational methods, I will contribute to the strategic directions of the ISBF. I am also the only member of from Turkey, and there is a lot of interest to Biofabrication and Bioprinting recently from this country. If I am selected as a Board member, I will continue to promote our society and also organize and coordinate the activities to expose our society and recruit more members from Turkey and surrounding countries.