



### **Asc. Prof. Dr. Murat MAKARACI**

Dr. Murat Makaracı was born in Zonguldak, Turkey, 1970. He got his BSc degree in Mechanical Engineering, Middle East Technical University, Ankara, 1992. For a brief period he was with Ministry of Energy and Natural Resources. He won scholarship to pursue graduate degrees in USA. He received his MSc degree in Mechanical Engineering on the title of Vehicle-Barrier Interactions In Crash Tests from Pennsylvania State University, USA, 1995. He got PhD degree in Mechanical Engineering from Mechanical, Aeronautical & Nuclear Engineering Department, Rensselaer Polytechnic Institute, NY, 2001. In the mean time he worked in Teaching Assistant and Research Assistant positions During doctoral studies he implemented finite Element, implicit backward Euler time integration of the Viscoplasticity Theory for high homologous temperatures. Simultaneously, he also worked for General Electric Corporate Research and Development (CRD) projects for increasing gas turbine performances and testing and analysis. He has been a faculty member for Kocaeli University, Mechanical Engineering Department, Kocaeli, Turkey since 1993. He served as Deputy Director of Graduate School of Natural Sciences (2006). He was cofounder of graduate programs for Automotive Engineering, Mechatronics Engineering and Biomedical Engineering. He was a pioneering consultant to University Rector for Technology Transfer Mechanism 2007-2008. He was appointed as a member to newly established Technology Transfer Committee of Higher Education Council of Turkey. He has been serving as Vice President for Marmara Research Center (MRC) of TUBITAK (Scientific and Technological Research Council of Turkey) since 2014. He is responsible for Strategy and Technology Development; Business Development and Industrialization and Corporate Development. During his stay, he founded Patent Support Unit and Technology Development Units. He has been serving as head of Commercialization and Licensing Committee. He was a part of commercialization of new Technologies of over 40 products to 25 companies. Under his leadership, TUBITAK MRC began to serve Tests and Analysis now for 44 countries in 5 continents. He is a member of national and international Professional associations and serve as a referee for several journals and projects. He taught course in International Hoca Ahmed Yesevi Turkish-Kazakhstan University. He represents TUBITAK MRC in WAITRO (World Association of Industrial, Technological and Research Organization) and COMSATS (Commission on Science and Technology for Sustainable Development in the South) and International Atomic Energy Agency (IAEA). He took part in design and manufacturing of first domestic National Wind Turbine project. He has been actively supporting research in Molten Salt Reactor amongst 4th Generation Nuclear Power Plants. Beside his educational and professional duties, he assumed presidency for Critical and Analytical Thinking (CAT) Platform and hosted 2 International CAT Symposiums in Turkey. He is married with two children.