

Assoc. Prof. Hülya Cebeci

Personal Information

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Biography

Dr. Hülya Cebeci obtained her B.Sc. degrees in Astronautical Engineering and from Istanbul Technical University (ITU) in 2003 and she obtained her M.Sc. degree in Polymer Science and Technology Program from ITU in 2006. She started her PhD. in Interdisciplinary Programme of Aeronautical and Astronautical Engineering at İTÜ. During her PhD. studies, she was a visiting student in the Technology Laboratory for Advanced Materials and Structures in Department of Aeronautics and Astronautics at the Massachusetts Institute of Technology. She worked under supervision of Prof. Brian L. Wardle (MIT) on “Multifunctional Properties of Vertically Aligned Carbon Nanotube Polymer Nanocomposites” between 2007-2010. The research was focused on using new nanotechnology methods to implement carbon nanotubes into composites for creating nano-engineered material structures for aerospace applications. Along these studies, she collaborated with many other groups from MIT (Prof. Karen Gleason-MIT) and other universities (Prof. Qiming Zhang-Penn State University and Prof. A. John Hart-Michigan University) as well. The research was funded by Nano-Engineered Composite Structures (NECST) Consortium having partners as Boeing, EADS/Airbus, Ansys, Embraer, Lockheed Martin, Saab AB, Composite Systems Technology, Hexcel, and Toho Tenax.

Dr. Cebeci has obtained her PhD in 2011 and she has been working as an Assistant Professor in ITU Aeronautical Engineering department since 2013. She is currently affiliated with ITU Aerospace Research Center (ARC) and MIT NECST Lab. Her main research interests are nano-engineered composites, smart and multifunctional structures, nanomaterial synthesis, and structural health monitoring. She has given two invited talks and she is the author of over 60 peer reviewed journal articles, technical reports and conference publications in these subjects. Her studies resulted with 3 patents and she has been involved in several projects supported by Roketsan, Turkish Aerospace Industry, Boeing, Safran and Roketsan as project leader. She is a Technical Committee member of Materials and Structures of AIAA and a member of MRS.

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Uçak Ve Uzay Bilimleri Mühendisliği (Dr), Turkey 2006 - 2011

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, Turkey 2003 - 2006

Undergraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uzay Mühendisliği Bölümü, Turkey 1998 - 2003

Foreign Languages

English

Research Areas

Technical Sciences, Aeronautical and Space Engineering, Aeronautical Engineering , Space Engineering, Material Technologies, Testing Techniques, Material science, Non Metallic Materials Materials, Ground Tests - Structural Tests (Deformation, Stress, Vibration, Acoustics, etc.), Bonding techniques

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 2013 - Continues

Lecturer PhD, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 2012 - 2013

Research Assistant, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 2005 - 2012

Supported Projects

Cebeci H., Project Supported by Higher Education Institutions, KARBON NANOTÜPLERİN KİTLESEL ÜRETİMİ VE OPTİMİZASYONU İLE NİHAİ ÜRÜNLERE GEÇİŞ, 2015 - 2018

Cebeci H., Project Supported by Higher Education Institutions, Electrical And Aechemical Property Investigation of Fuzzy Fibre-Reinforced Composites, 2015 - 2018

Cebeci H., Project Supported by Higher Education Institutions, AB Proje Görüşmesi için Destek, 2014 - 2018

Cebeci H., Project Supported by Higher Education Institutions, Kontrollü Yapıdaki Karbon Nanotüpler ile Güçlendirilmiş Polimerik Nanokompozitlerin Üretimi Karakterizasyonu ve Multifoksyonel Özelliklerinin Ölçülmesi, 2012 - 2018

Cebeci H., Project Supported by Higher Education Institutions, UV-LED Fotokatalitik Reaktörde Uçucu Organik Bileşiklerin Filtrasyonu, 2015 - 2016

Cebeci H., Project Supported by Higher Education Institutions, Kontrollü ve Sıralı Düzenli Karbon Nanotüp Karbon Kompozitlerin Darbe Dayanımının İncelenmesi, 2014 - 2016

Cebeci H., Project Supported by Higher Education Institutions, elektronik Uygulamalar için KNT Kaktili PDMS Mikroçip Üretimi, 2014 - 2016

Citations

Total Citations (WOS):452

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