

Assoc. Prof. Elif Ülkü Arıcı

Personal Information

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International Researcher IDs

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Biography

Elif Arıcı's research activities in the material sciences is characterized by coming in contact with the deficits of opto-electronical devices and trying to address these problems using blends of inorganic nanomaterials embedded in polymer matrices for device optimization.

She studied chemistry and material sciences at Philipps University, Marburg, Germany. Finishing her post-doc studies about organic-inorganic hybrid solar cells at Linz Institute for Organic Solar Cells (2000-2004), she was working as senior researcher at SIEMENS, Corporate Technology, Erlangen, Germany to create new concepts for light emission. 2008-2011, she took a Elise Richter Position at Johannes Kepler University to develop white light emitting diodes. Currently, she is working at Energy Institute, Istanbul Technical University on research and development for low-cost, solution processable CZTS solar cells. She is supervising also young companies in terms of project acquisition and management in related topics.

She has 15 patents and over 30 publications in scientific journals.

Education Information

Doctorate, Philipps-Universität Marburg, Germany 1997 - 2000

Postgraduate, Philipps-Universität Marburg, Germany 1996 - 1997

Undergraduate Minor, Philipps-Universität Marburg, Fiziyo Kimya-Polimer Kimyası, Germany 1995 - 1996

Associate Degree, Philipps-Universität Marburg, Germany 1991 - 1995

Foreign Languages

German

Dissertations

Doctorate, GUEST-HOST SYSTEMS and THEIR OPTO-ELECTRONICAL PROPERTIES, Philipps Universität Marburg, 2016

Postgraduate, OPTO-ELECTRICAL PROPERTIES OF PPV DERIVATIVES, Philipps-Universität Marburg, 1997

Research Areas

Technical Sciences, Electrical and Electronics Engineering, Energy, Direct Energy Conversion and Energy Storage, Renewable energy, Metallurgical and Materials Engineering, Material science and engineering, Semiconductor and Superconductor Materials, Basic Sciences, Chemistry, Physical Chemistry, nanocomposites

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Enerji Enstitüsü, Yenilenebilir Enerji Anabilim Dalı, 2013 - Continues

Courses

EBT 553 'Güneş Enerjisi Dönüşüm Teknolojileri, Postgraduate, 2016 - 2017

Supported Projects

Arıcı E. Ü., Project Supported by Higher Education Institutions, CZTS/n-nano Si ve CZTS/n-CdS Heteroeklemleri, 2016 - 2018

Scientific Refereeing

Solar Enery, SCI Journal, May 2016

Thin Solid Films, SCI Journal, April 2016

Scientific Research / Working Group Memberships

İnce Film Araştırma ve Karakterizasyon Lab, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, calismagruplari.itu.edu.tr, 2014 - Continues

Hibrit Güneş Enerji Teknolojileri Araştırma Grubu, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, <http://calismagruplari.itu.edu.tr/>, 2013 - Continues

Metrics

Publication: 51

Citation (WoS): 519

Citation (Scopus): 553

H-Index (WoS): 7

H-Index (Scopus): 7

Congress and Symposium Activities

Enerji Sisteminde Küresel Dönüşüm ve Türkiye, Panelists, İstanbul, Turkey, 2016

EMRS, Invited Speaker, Strasbourg, France, 2003

Scholarships

BIDEP-YURDA DÖNÜŞ BURSUSU, TÜBİTAK, 2013 - Continues

ELISE RICHTER, Official Institutions of Foreign Countries, 2008 - Continues
Marie Curie Industry Fellowship, European Commission, 2006 - Continues

Non Academic Experience

SIEMENS AG, CORPORATE TECHNOLOGY MM1 (MERKEZ LAB), ERLANGEN