

## Assoc. Prof. Hakan Karaağaç

### Personal Information

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**Address:** İstanbul Teknik Üniversitesi, Fizik Müh. Bölümü, Maslak-İstanbul

### International Researcher IDs

ORCID: 0000-0002-1409-4090

Publons / Web Of Science ResearcherID: D-7267-2013

ScopusID: 15622745500

Yoksis Researcher ID: 189952

### Education Information

Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2005 - 2010

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2003 - 2005

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1998 - 2003

### Foreign Languages

English

### Dissertations

Doctorate, Electrical, structural and optical properties of AgGaSe<sub>2</sub>-xSx thin films grown by sintered powder, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2010

Postgraduate, Structural, electrical and optical characterization of Ge-implanted GaSe single crystal grown by Bridgman method, Orta Doğu Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2005

### Research Areas

Basic Sciences, Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

### Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2016 - Continues

Assistant Professor, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2014 - 2016

Lecturer PhD, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2013 - 2014

### Courses

FİZİK 1, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. Heterojunction solar cells with integrated Si and ZnO nanowires and a chalcopyrite thin film  
Karaagac H., PARLAK M., YENGEL E., ISLAM M. S.  
MATERIALS CHEMISTRY AND PHYSICS, vol.140, no.1, pp.382-390, 2013 (SCI-Expanded)

## Supported Projects

Karaağaç H., Project Supported by Higher Education Institutions, Fotovoltaik Uygulamalar İçin CuIn<sub>0.5</sub>Ga<sub>0.5</sub>Se<sub>2</sub> İnce Filmlerin Elektron-demeti Yöntemiyle Üretilmesi, 2016 - 2018

## Metrics

Publication: 31

Citation (WoS): 145

Citation (Scopus): 152

H-Index (WoS): 7

H-Index (Scopus): 7