

Prof. TAMİLA ANUTGAN

Personal Information

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KARABÜK / TÜRKİYE

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Fizik, Turkey 2006 - 2010

Post Graduate, Middle East Technical University, Faculty Of Education, Fizik Öğretmenliği, Turkey 2002 - 2006

Under Graduate, Middle East Technical University, Faculty Of Education, Fizik Öğretmenliği, Turkey 2002 - 2006

Foreign Languages

English, C1 Advanced

Russian, C2 Proficiency

Certificates, Courses and Trainings

Other, YFYİ Girişimcilik ABD Kamp Programı, T-Jump Merkezi, San Fransisco, ABD., 2016

Other, Fourier Transform Infrared (FTIR) Spektrometre ve Mikroskop Cihazı Kullanıcı Eğitimi, Karabük Üniversitesi
Demir Çelik Enstitüsü, 2014

Other, SEM + EDS Kullanıcı Eğitimi, Karabük Üniversitesi Demir Çelik Enstitüsü, 2013

Other, Keithley 6482 Pikoampermetre Cihazı Kullanıcı Eğitimi, Karabük Üniversitesi Demir Çelik Enstitüsü, 2013

Other, TÖMER (Türkçe), Gazi Üniversitesi TÖMER, 2002

Dissertations

Doctorate, Hidrojenlenmiş nanokristal silisyum tabanlı ince film transistör üretimi, Orta Doğu Teknik Üniversitesi,
Ulaştırma Mühendisliği, Fizik, 2010

Research Areas

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, Electrical properties of
electronic structures, interfaces, thin films and low-dimensional structures, Optical Properties, Spectroscopy of Matter,
Natural Sciences

Academic Titles / Tasks

Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Tıp Mühendisliği Bölümü, 2018 - Continues

Associate Professor, Karabuk University, Mühendislik Fakültesi, Tıp Mühendisliği Bölümü, 2013 - 2018

Assistant Professor, Karabük Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2010 - 2013

Professional Experience

Head of Department, Karabuk University, Mühendislik Fakültesi, Tıp Mühendisliği Bölümü, 2016 - 2019

Deputy Head of Department, Karabuk University, Mühendislik Fakültesi, Tıp Mühendisliği, 2015 - 2016

Courses

Medical Imaging Systems I, Under Graduate, 2020 - 2021

Advising Theses

ANUTGAN T., Plazma ile biriktirilmiş nanokristal silisyum filmlerin görünür-yakın kızılötesi bölge geçirgenlik ölçümleri ve yapısal özellikleri arasındaki korelasyonun incelenmesi, Post Graduate, G.Kahrıman(Student), 2016

ANUTGAN T., Plazma ile biriktirilmiş nanokristal silisyum filmlerin düşük alttaban sıcaklık optimizasyonu, Post Graduate, S.Uysal(Student), 2012

Jury Memberships

Associate Professor Exam, Associate Professor Exam, ÜAK, August, 2020

Associate Professor Exam, Yazılı Aşama Doçentlik Jürüsü, ÜAK, March, 2019

Associate Professor Exam, Yazılı Aşama Doçentlik Jürüsü, ÜAK, August, 2018

Post Graduate, Tez Savunma Jürisi, Düzce Üniversitesi Fen Bilimleri Enstitüsü, July, 2017

Post Graduate, Tez Savunma Jürisi, Karabük Üniversitesi Fen Bilimleri Enstitüsü, July, 2013

Post Graduate, Tez Savunma Jürisi, Karabük Üniversitesi Fen Bilimleri Enstitüsü, June, 2011

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **SEM, EDX spectroscopy and real-time optical microscopy of electroformed silicon nitride-based light emitting memory device**

ANUTGAN M., ANUTGAN T., ATILGAN İ.

EPJ Applied Physics, vol.89, 2020 (Journal Indexed in SCI Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Electroformed silicon nitride-based light emitting memory device investigated by SEM, EDX and real-time optical microscopy analyses**

ANUTGAN M., ANUTGAN T., ATILGAN İ.

ICANS28 2019, 4 - 09 August 2019

- II. **Transmission Electron Microscope Analysis of PECVD Grown Electroformed Silicon Nitride-Based Light Emitting Diode**

ANUTGAN T., ANUTGAN M., ATILGAN İ.

ICANS 28 2019, 4 - 09 August 2019

- III. **Frequency-dependent error of forward bias capacitance spectroscopy in the density of states**

calculation of semiconductor diodes

ATILGAN İ., ANUTGAN M., ANUTGAN T.

International Conference on Science, Technology, Engineering and Management (ICSTEM), 16 - 17 December 2017

- IV. **Two-stage instability mechanism in nanocrystalline silicon TFTs under prolonged gate-bias stress**
ANUTGAN T., ANUTGAN M., ATILGAN İ.
27th International Conference on Amorphous and Nanocrystalline Semiconductors (ICANS 27), 21 - 25 August 2017
- V. **Temporary sub-band transport level in nanocrystalline silicon nitride light emitting memory device**
ANUTGAN M., ANUTGAN T., ATILGAN İ.
27th International Conference on Amorphous and Nanocrystalline Semiconductors (ICANS 27), 21 - 25 August 2017
- VI. **Comparison of negative capacitance phenomenon in ordinary amorphous and electroformed nanocrystalline silicon based LEDs**
ANUTGAN M., ANUTGAN T., ATILGAN İ.
Applied Nanotechnology and Nanoscience International Conference 2016, 9 - 11 November 2016
- VII. **Memory effect in electroformed nanocrystal silicon nitride based thin film LED**
ANUTGAN T., ANUTGAN M., ATILGAN İ.
Applied Nanotechnology and Nanoscience International Conference 2016, 9 - 11 November 2016
- VIII. **Effect of RF Power Density on Micro- and Macro-structural Properties of PECVD Grown Hydrogenated Nanocrystalline Silicon Thin Films**
Gokdogan G. K. , ANUTGAN T.
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- IX. **On Correlation between Visible-Near-Infrared Transmittance Spectra and Structural Properties of Plasma Deposited Nanocrystalline Silicon Thin Films**
ANUTGAN T., Gokdogan G. K.
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- X. **Estimation of Glucose Concentration in Solution Using Near Infrared Spectroscopy and Artificial Neural Network**
Gulderen A., ANUTGAN T., ANUTGAN M.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1197-1200
- XI. **On correlation between visible near infrared transmittance spectra and structural properties of plasma deposited hydrogenated nanocrystalline silicon thin films**
ANUTGAN T., gözde K. g.
9th International Physics Conference of the Balkan Physical Union – BPU9, 24 - 27 August 2015
- XII. **Production of hydrogenated nanocrystalline silicon thin films by PECVD technique at low substrate temperatures**
ANUTGAN T., uysal s.
Turkish Physical Society 28th International Physics Congress, 6 - 09 September 2011, pp.546
- XIII. **Hidrojenlenmiş Nanokristal Silisyum Tabanlı İnce Film Transistörün Sığa Voltaj Ölçümleriyle İncelenmesi**
ANUTGAN T., ANUTGAN M., ATILGAN İ., katircioğlu b.
17. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 05 November 2010, pp.16
- XIV. **Charging dynamics of MOS capacitors containing PECVD grown germanium nanocrystals**
DANA A., ergun o., ANUTGAN M., ANUTGAN T., AYDINLI A., TURAN R.
SEMINANO 2005, 10 - 12 September 2005, pp.197-200

Supported Projects

ANUTGAN T., Project Supported by Higher Education Institutions, Nanokristal silisyum nitrür temelli ince film ışık yayan diyodun elektron mikroskobu ile görüntü analizi, 2018 - 2019

ANUTGAN T., Project Supported by Higher Education Institutions, Two-stage instability mechanism in nanocrystalline silicon TFTs under prolonged gate-bias stress, 2017 - 2017

ANUTGAN T., Project Supported by Higher Education Institutions, MİKRODENETLEYİCİ KONTROLLÜ İNSÜLİN ENJEKSİYONU İÇİN KULLANICI DOSTU YAZILIM VE PROTOTİPİNİN GELİŞTİRİLMESİ, 2017 - 2017

ANUTGAN T., Project Supported by Higher Education Institutions, KABLOSUZ, ANDROID UYUMLU, ŞARJ EDİLEBİLİR YANSIMA TİPİ PULS OKSİMETRENİN PROTOTİP GELİŞTİRİLMESİ, 2017 - 2017

ANUTGAN T., Project Supported by Higher Education Institutions, Memory effect in electroformed nanocrystal silicon nitride based thin film LED, 2016 - 2017

ANUTGAN T., Project Supported by Higher Education Institutions, Glikoz çözeltisinin optik özelliklerinin incelenmesi, 2015 - 2016

ANUTGAN T., Project Supported by Higher Education Institutions, PLAZMA İLE BİRİKTİRİLMİŞ NANOKRİSTAL SİLİSYUM FİMLERİN MORÖTESİ -GÖRÜNÜR BÖLGE YAKIN KIZILÖTESİ GEÇİRGENLİK ÖLÇÜMLERİ VE YAPISAL ÖZELLİKLERİ ARASINDAKİ KORELASYONUN İNCELENMESİ, 2014 - 2016

ANUTGAN T., Project Supported by Higher Education Institutions, Düşük Alttaban Sıcaklıklarında Plazma İle Biriktirilmiş Ne-siil Filmler, 2013 - 2014

ANUTGAN T., TUBITAK Project, Kübik bor nitrür üretimi, 2007 - 2008

ANUTGAN T., TUBITAK Project, Bor Nitrür Üretimi, 2007 - 2008

Patent

ATILGAN İ., ANUTGAN M., ANUTGAN M., ANUTGAN T., ANUTGAN M., ATILGAN İ., A METHOD FOR MANUFACTURING A LIGHT EMITTING DIODE, Patent, CHAPTER H Electricity, 2018

Citations

Total Citations (WOS):104

h-index (WOS):6