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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-1525-2019

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Education Information

Doctorate, Anadolu University, Fen Bilimleri Enstitüsü, Katıhal Fiziği (Dr), Turkey 2006 - 2015

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 2004 - 2007

Postgraduate, Anadolu University, Fen Bilimleri Enstitüsü, Katıhal Fiziği (YI) (Tezli), Turkey 2002 - 2005

Undergraduate Double Major, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1998 - 2003

Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1997 - 2002

Dissertations

Doctorate, Elektrokimyasal yöntemle üretilen nano yapıları ZnO ince filmlerinin bazı fiziksel ve optik özelliklerinin belirlenmesi, Anadolu University, Fen Bilimleri Enstitüsü, Katıhal Fiziği (Dr), 2015

Postgraduate, Bir IGBT kesim karakteristiğinin Hefner modeli ile incelenmesi, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2007

Postgraduate, Gümüş, tungsten ve silisyum materyalleri için hall olayının incelenmesi, Anadolu University, Fen Bilimleri Enstitüsü, Katıhal Fiziği (YI) (Tezli), 2005

Research Areas

Academic Titles / Tasks

Associate Professor, Bilecik Seyh Edebali University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2021 - Continues

Assistant Professor, Bilecik Seyh Edebali University, Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri, 2015 - 2020

Lecturer, Bilecik Seyh Edebali University, Meslek Yüksekokulu, Elektronik Ve Otomasyon, 2009 - 2015

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2017 - 2021

Courses

YÜKSEK LİSANS TEZ ÇALIŞMASI BAHAR, Postgraduate, 2019 - 2020, 2018 - 2019
UZMANLIK ALAN DERSİ BAHAR, Postgraduate, 2019 - 2020, 2018 - 2019
FİZİK I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2019 - 2020, 2018 - 2019
UZMANLIK ALAN DERSİ, Postgraduate, 2019 - 2020, 2018 - 2019
SÜREÇ KONTROL BAHAR, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018
FİZİK II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
SCADA SİSTEMLERİ, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
GÜNEŞ ENERJİSİ TEKNOLOJİSİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
ENERJİ DEPOLAMA TEKNOLOJİLERİ, Postgraduate, 2019 - 2020, 2018 - 2019
FOTO-VOLTAİK GÜÇ SİSTEMLERİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
İŞ YERİ EĞİTİMİ, Associate Degree, 2019 - 2020
SAYISAL ELEKTRONİK, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2012 - 2013
İŞ YERİ UYGULAMASI, Associate Degree, 2019 - 2020
ANALOG ELEKTRONİK, Associate Degree, 2018 - 2019, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
YARI İLETKEN TEKNOLOJİSİ, Doctorate, 2018 - 2019, 2017 - 2018
İLERİ SAYISAL UYGULAMALARI, Associate Degree, 2018 - 2019, 2015 - 2016
ENDÜSTRİYEL KONTROL ELEMANLARI, Associate Degree, 2018 - 2019
Proje Tasarımı ve Uygulaması I A, Associate Degree, 2017 - 2018
Katıların Bant Teorisi, Postgraduate, 2017 - 2018
PROJE TASARIMI VE UYGULAMASI II A, Associate Degree, 2017 - 2018, 2016 - 2017
Süreç Kontrol GÜZ, Associate Degree, 2017 - 2018
ARAŞTIRMA TEKNİKLERİ VE SEMİNER İ.Ö BİLGİSAYAR, Associate Degree, 2017 - 2018
Sayısal Tasarım, Associate Degree, 2017 - 2018, 2016 - 2017
SCADA SİSTEMLERİ İ.Ö, Associate Degree, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014
AMPLİFİKATÖR VE OSİLATÖRLER, Associate Degree, 2017 - 2018
ARAŞTIRMA TEKNİKLERİ VE SEMİNER İ.Ö İNŞAAT, Associate Degree, 2017 - 2018, 2016 - 2017
Süreç Kontrol - GÜZ, Associate Degree, 2016 - 2017
DOĞRU AKIM DEVRE ANALİZİ YAZ OKULU, Associate Degree, 2016 - 2017, 2013 - 2014, 2012 - 2013
ARAŞTIRMA TEKNİKLERİ VE SEMİNER İ.Ö OTOMOTİV, Associate Degree, 2016 - 2017
DOĞRU AKIM DEVRE ANALİZİ, Associate Degree, 2016 - 2017, 2015 - 2016, 2014 - 2015
SAYISAL ELEKTRONİK YAZ OKULU, Associate Degree, 2016 - 2017, 2014 - 2015
Proje Tasarımı ve Uygulaması I - A, Associate Degree, 2016 - 2017
BİLİMSEL VE MESLEKİ ETİK İ.Ö - İNŞAAT, Associate Degree, 2016 - 2017
İLERİ SAYISAL UYGULAMALARI bahar, Associate Degree, 2016 - 2017
GÜÇ ELEKTRONİĞİ, Associate Degree, 2015 - 2016, 2013 - 2014, 2011 - 2012, 2009 - 2010
ENERJİ YÖNETİMİ, Associate Degree, 2015 - 2016, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
ALTERNATİF AKIM DEVRE ANALİZİ yaz okulu, Associate Degree, 2015 - 2016
SÜREÇ KONTROL YAZ OKULU, Associate Degree, 2015 - 2016, 2014 - 2015
ALGILAYICI VE DÖNÜŞTÜRÜCÜLER İ.Ö, Associate Degree, 2015 - 2016, 2013 - 2014
SÜREÇ KONTROL İ.Ö, Associate Degree, 2015 - 2016, 2014 - 2015, 2013 - 2014
ENERJİ YÖNETİMİ (İKİNCİ ÖĞRETİM), Associate Degree, 2015 - 2016, 2010 - 2011, 2009 - 2010

SÜREÇ KONTROL, Associate Degree, 2015 - 2016, 2014 - 2015
SİSTEM ANALİZİ VE TASARIMI I B, Associate Degree, 2015 - 2016, 2014 - 2015, 2013 - 2014
YENİLENEBİLİR ENERJİ KAYNAKLARI, Associate Degree, 2015 - 2016, 2013 - 2014
ANALOG ELEKTRONİK (İKİNCİ ÖĞRETİM), Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010
ALGILAYICI VE DÖNÜŞTÜRÜCÜLER, Associate Degree, 2014 - 2015, 2013 - 2014
SİSTEM ANALİZİ VE TASARIM - II A, Associate Degree, 2014 - 2015
BİLGİSAYAR PROGRAMLAMA (BİL250), Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
SAYISAL ELEKTRONİK İ.Ö, Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013
BİLGİSAYAR PROGRAMLAMA (BİL250) (İKİNCİ ÖĞRETİM), Associate Degree, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011, 2009 - 2010
ALTERNATİF AKIM DEVRE ANALİZİ, Associate Degree, 2014 - 2015
ALTERNATİF AKIM DEVRE ANALİZİ B YAZ OKULU, Associate Degree, 2014 - 2015
ALTERNATİF AKIM DEVRE ANALİZİ İ.Ö, Associate Degree, 2014 - 2015
SCADA SİSTEMLERİ YAZ OKULU, Associate Degree, 2013 - 2014
SİSTEM ANALİZİ VE TASARIM - II B, Associate Degree, 2013 - 2014
MİKRO İŞLEMCİLER/ MİKRO DENETLEYİCİLER İKİNCİ ÖĞRETİM, Associate Degree, 2012 - 2013
DÖNÜŞTÜRÜCÜ TASARIM, Associate Degree, 2012 - 2013, 2011 - 2012, 2009 - 2010
ENERJİ VE ÇEVRE KORUMA - ELEKTRİK İL. ÜR. VE DAĞ. BÖLÜMÜ, Associate Degree, 2012 - 2013
BİLGİSAYARLI VERİ TOPLAMA VE KONTROL, Associate Degree, 2012 - 2013, 2011 - 2012, 2009 - 2010
SİSTEM ANALİZİ VE TASARIM - I, Associate Degree, 2012 - 2013
ENERJİ YÖNETİMİ YAZ OKULU, Associate Degree, 2012 - 2013
BİLGİSAYARLI VERİ TOPLAMA VE KONTROL (İKİNCİ ÖĞRETİM), Associate Degree, 2012 - 2013, 2011 - 2012, 2009 - 2010
DÖNÜŞTÜRÜCÜ TASARIM (İKİNCİ ÖĞRETİM), Associate Degree, 2012 - 2013, 2011 - 2012, 2009 - 2010
BİLGİSAYAR PROGRAMLAMA (BİL250) YAZ OKULU, Associate Degree, 2012 - 2013, 2011 - 2012
SİSTEM ANALİZİ VE TASARIM - II, Associate Degree, 2012 - 2013
SİSTEM ANALİZİ VE TASARIM - I ELEKTRİK İL.ÜR. VE DAĞ BÖLÜMÜ, Associate Degree, 2012 - 2013
GÜÇ ELEKTRONİĞİ (İKİNCİ ÖĞRETİM), Associate Degree, 2011 - 2012, 2009 - 2010
ENERJİ VE ÇEVRE KORUMA- ELEKTRİK İL. ÜR. VE DAĞ BÖLÜMÜ, Associate Degree, 2011 - 2012
PROGRAMLAMA DİLLERİ II, Undergraduate, 2009 - 2010
MAKİNE MÜHENDİSLİĞİ BİLİSAYAR UYGULAMALARI, Undergraduate, 2009 - 2010
ALGORİTMA VE VERİ YAPILARI, Undergraduate, 2009 - 2010
NESNEYE DAYALI PROGRAMLAMA, Undergraduate, 2009 - 2010

Advising Theses

KIYAK YILDIRIM A., Cds FİLMLEİNİN ELEKTRODEPOZİSYON İLE ÜRETİMİNDE DEPOZİSYON POTANSİYELİ VE ELEKTROT POZİSYONLARININ ETKİLERİ, Postgraduate, A.KENİŞ(Student), 2023
KIYAK YILDIRIM A., Elektrodepozisyon yöntemi ile üretilen ve güneş pili üretimine uygun olan CdSe/PbS hetero yapıların bazı fiziksel özellikleri, Postgraduate, F.YAVUZ(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Synthesis of Zn-doped lead sulphide by electrodeposition: potential change on structural, morphological, and optical properties**
ERDOĞAN E., KIYAK YILDIRIM A.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.34, no.10, 2023 (SCI-Expanded)

- II. **Effects of Electrolyte on CdO Films Obtained by Electrodeposition**
 ALTIOKKA B., KIYAK YILDIRIM A.
 Proceedings of the National Academy of Sciences India Section A - Physical Sciences, vol.91, no.3, pp.605-610, 2021 (SCI-Expanded)
- III. **Effects of relatively low pH on chemically deposited PbS thin films**
 Yıldırım A., ALTIOKKA B.
 Emerging Materials Research, vol.9, no.1, pp.47-54, 2020 (SCI-Expanded)
- IV. **Influence of magnetic field on CdO thin films obtained by electrodeposition**
 KIYAK YILDIRIM A.
 Journal of Optoelectronics and Advanced Materials, vol.21, no.1-2, pp.119-123, 2019 (SCI-Expanded)
- V. **Effects of pH on CdO films deposited onto ITO coated glass substrates by electrodeposition**
 ALTIOKKA B., Yildirim A.
 International Journal of Surface Science and Engineering, vol.12, no.1, pp.13-22, 2018 (SCI-Expanded)
- VI. **Effects of concentration on CdO films grown by electrodeposition**
 KIYAK YILDIRIM A., ALTIOKKA B.
 Applied Nanoscience (Switzerland), vol.7, no.3-4, pp.131-135, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of pH on CdSe Films Fabricated by Electrodeposition**
 KIYAK YILDIRIM A., YAVUZ F.
 Effects of pH on CdSe Films Fabricated by Electrodeposition, vol.10, no.2, pp.1582-1584, 2021 (Peer-Reviewed Journal)
- II. **Kimyasal Banyo Depolama Yöntemi ile Üretilen PbS İnce Filmleri Üzerine Tavlamanın Etkileri**
 KIYAK YILDIRIM A.
 Fırat Üniversitesi Mühendislik Bilimleri Dergisi, vol.32, no.2, pp.415-433, 2020 (Peer-Reviewed Journal)
- III. **Electrochemical Deposition of CdTe Thin Films at Various Voltages**
 KIYAK YILDIRIM A., ALTIOKKA B.
 International Journal of Science and Research (IJSR), vol.9, no.3, pp.1525-1527, 2020 (Peer-Reviewed Journal)
- IV. **EFFECTS OF BATH TEMPERATURE ON ELECTRODEPOSITED CdTe THIN FILMS**
 ALTIOKKA B., KIYAK YILDIRIM A.
 International Journal of Engineering Research-Online, vol.8, no.1, pp.25-27, 2020 (Peer-Reviewed Journal)
- V. **Effects of Deposition Time on Thin Films of PbS Produced by Using Chemical Bath Deposition Method**
 KIYAK YILDIRIM A.
 International journal of engineering research-online, vol.6, no.5, pp.10-19, 2018 (Peer-Reviewed Journal)
- VI. **Investigation of the Properties of PbS Thin Films Obtained by Chemical Bath Deposition Method at Relatively High pH**
 KIYAK YILDIRIM A.
 International Journal of Engineering Research-Online, vol.6, no.5, pp.71-80, 2018 (Peer-Reviewed Journal)
- VII. **Effects of Annealing Temperature on CdO Thin Films Produced by Using Electro Deposition Method Under Magnetic Field**
 KIYAK YILDIRIM A.
 International Journal of Science and Research (IJSR), vol.7, no.10, pp.1331-1335, 2018 (Peer-Reviewed Journal)
- VIII. **Effects of Percentage of the Volume of the Electrolyt on CdO Thin Films Growth by Using Electro Deposition Method Under Magnetic Field**
 KIYAK YILDIRIM A.
 International Journal of Science and Research (IJSR), vol.7, no.10, pp.1337-1342, 2018 (Peer-Reviewed Journal)
- IX. **INVESTIGATION OF THE EFFECTS OF ALKALIN MEDIUM ON CdO THIN FILMS PRODUCED BY USING ELECTRODEPOSITION METHOD UNDER MAGNETICFIELD**

- KIYAK YILDIRIM A.
International Journal of Engineering Research-Online, vol.6, no.5, pp.54-63, 2018 (Peer-Reviewed Journal)
- X. **Effects of Relatively High Temperature on Thin Films of PbS Fabricated by Chemical Bath Deposition Method**
KIYAK YILDIRIM A.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.414-420, 2018 (Peer-Reviewed Journal)
- XI. **Structural and Physical Properties of the PbS Films Obtained by Chemical Bath Deposition at Different Deposition Temperature**
KIYAK YILDIRIM A., ALTIOKKA B.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.22, pp.1500-1507, 2018 (Peer-Reviewed Journal)
- XII. **ZnO Films Obtained by Electrodeposition Under Alternating Magnetic Field**
ALTIOKKA B., KIYAK YILDIRIM A.
Karaelmas Fen ve Mühendislik Dergisi, vol.8, no.1, pp.331-338, 2018 (Peer-Reviewed Journal)
- XIII. **Farklı molaritede Pb(NO₃)₂ çözeltisi kullanılarak kimyasal banyo depolaması yöntemi ile elde edilen Pbs filmlerin bazı fiziksel özellikleri**
KIYAK YILDIRIM A., ALTIOKKA B.
dicle fen bilimleri enstitüsü dergisi, vol.7, no.1, pp.42-49, 2018 (Peer-Reviewed Journal)
- XIV. **Some physical properties of the ZnO films obtained by electrodeposition using Zn (NO₃)₂ .6H₂O aqueous solution at different cathodic potentials**
KIYAK YILDIRIM A., ALTIOKKA B.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.21, no.6, pp.1146-1152, 2017 (Peer-Reviewed Journal)
- XV. **CdO Films Obtained by Electrodeposition at -0.5 V and -0.7 V Potentials Range**
KIYAK YILDIRIM A., ALTIOKKA B.
JOURNAL OF MATERIALS SCIENCE AND ENGINEERING B, vol.6, no.9-10, pp.249-253, 2016 (Peer-Reviewed Journal)
- XVI. **Effect of Potential on Structural, Morphological and Optical Properties of ZnO Thin Films Obtained by Electrodeposition**
KIYAK YILDIRIM A., ALTIOKKA B., Arslan M.
JOURNAL OF MATERIALS SCIENCE AND ENGINEERING B, vol.5, no.3-4, pp.107-112, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and investigation of properties of CdTe thin films in different acidic aqueous environments**
KIYAK YILDIRIM A., ŞİMŞEK V.
2nd International Conference on Innovative Academic Studies, January 28 - 31, 2023, Konya, Turkey, Konya, Turkey, 28 January 2023
- II. **To Produce CdTe Thin Films by using Electrodeposition Method at Relatively Low Temperature and Different Acidic Medium**
KIYAK YILDIRIM A.
2nd International Conference on Physical Chemistry and Functional Materials(PCFM'19), Nevşehir, Turkey, 25 - 27 June 2019
- III. **CdTe Thin Films Have Been Produced at Temperature Range From 15 OC to 55 OC in Acidic Medium with Nitric Acid by Using Electrodeposition**
KIYAK YILDIRIM A.
2nd International Conference on Physical Chemistry and Functional Materials (PCFM'19), Nevşehir, Turkey, 25 June 2019
- IV. **CdTe Thin Films Have Been Obtained by Electrodeposition at Temperature Range from 10 OC to 40 OC in Acidic Medium with Perchloric Acid**
KIYAK YILDIRIM A.

2nd International Conference on Physical Chemistry and Functional Materials (PCFM'19), Nevşehir, Turkey, 25 June 2019

- V. **CdS/PbS Thin Films Solar Cell Fabricated by Chemical Bath Deposition**
KIYAK YILDIRIM A.
International Conference on Physical Chemistry and Functional Materials(PCFM'18), Elazığ, Turkey, 19 - 21 June 2018
- VI. **CDS THIN FILMS OBTAINED CHEMICAL BATH DEPOSITION FOR THIN FILM SOLAR CELL**
KIYAK YILDIRIM A.
INTERNATIONAL CONFERENCE ON PHOTOVOLTAIC SCIENCE AND TECHNOLOGIES, Ankara, Turkey, 4 - 06 July 2018, pp.302-305
- VII. **PHYSICAL PROPERTIES OF THE CDO FILMS OBTAINED BY ELECTRODEPOSITION AT DIFFERENT CATHODIC POTENTIALS**
ALTIOKKA B., KIYAK YILDIRIM A.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), 11 - 13 October 2017
- VIII. **EFFECTS OF THE MOLARITY OF THE DEPOSITION SOLUTION COMPOSITION on CdO FILMS OBTAINED BY ELECTRODEPOSITION**
KIYAK YILDIRIM A., ALTIOKKA B.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 - 13 October 2017
- IX. **THE INFLUENCE OF DIFFERENT pH VALUES OF DEPOSITION SOLUTION ON CdO FILMS OBTAINED BY ELECTRODEPOSITION**
ALTIOKKA B., KIYAK YILDIRIM A.
Uluslararası Mühendislik Araştırmaları Sempozyumu (UMAS'2017), Düzce, Turkey, 11 - 13 September 2017
- X. **THE EFFECTS OF DIFFERENT DEPOSITION TEMPERATURE ON CdO FILMS OBTAINED BY ELECTRODEPOSITION**
KIYAK YILDIRIM A., ALTIOKKA B.
Uluslararası Mühendislik Araştırmaları Sempozyumu (UMAS'2017), Düzce, Turkey, 11 - 13 September 2017
- XI. **Influence of deposition potential on ZnO films obtained by electrodeposition**
KIYAK YILDIRIM A., ALTIOKKA B.
4th International Symposium on Innovative Technologies in Engineering and Science (ISITES2016), Antalya, Turkey, 3 - 05 November 2016
- XII. **Influence of pH deposition potential on ZnO films obtained by lectrodeposition**
ALTIOKKA B., KIYAK YILDIRIM A.
4th International Symposium on Innovative Technologies in Engineering and Science 3-5November 2016 (ISITES2016), Antalya, Turkey, 03 November 2016
- XIII. **PHYSICAL PROPERTIES OF THE ZnO FILMS OBTAINED BY ELECTRODEPOSITION AT DIFFERENT POTENTIALS**
KIYAK YILDIRIM A., ALTIOKKA B.
IMSP'201616th International Materials Symposium, Denizli, Turkey, 12 - 14 October 2016
- XIV. **SOME PHYSICAL PROPERTIES OF ZnO FILMS OBTAINED BY ELECTRODEPOSITION AT DIFFERENT pH VALUES**
ALTIOKKA B., KIYAK YILDIRIM A.
16th International Materials Symposium (IMSP'2016), Denizli, Turkey, 12 October 2016
- XV. **Effects of electrolyte on ZnO films obtained by electrodeposition**
ALTIOKKA B., KIYAK YILDIRIM A.
International Semiconductor Scienceand Technology Conference 2015, KUŞADASI/ İZMİR, Turkey, 11 - 13 May 2015

Supported Projects

ALTIOKKA B., KIYAK YILDIRIM A., Project Supported by Higher Education Institutions, Cdse/Cdte Güneş Pillerini Elektrodepozisyon Yöntemi İle Üretmek, 2019 - 2020

KIYAK YILDIRIM A., Project Supported by Higher Education Institutions, Kronoamperometri Yöntemi Kullanılarak Üretilen CdO filmlerinin Optiksel Özelliklerinin İncelenmesi, 2016 - 2017