

## ÖZGEÇMİŞ

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**Adı-Soyadı: Dr.Zeynep BAZ**

### EDUCATION

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**Ph.D., Physics**

*Çukurova University, Adana, Turkey*

*Dissertation:* “Production of Gold and Silver Coated Substrates for Sers Raman and Application on MW ECR Plasma System DLC Thin Films”, (2016).

**M.Sc., Physics**

*Çukurova University, Adana, Turkey*

*Dissertation:*”Production and Optical Properties of Zinc Nitride ( $Zn_3N_2$ ) by Pulsed Filtered Cathodic Vacuum Arc Deposition”, (2008).

**B.Sc., Physics &Electrical  
Electronics Engineering**

*Çukurova University, Adana, Turkey*

### PROFESSIONAL EXPERIENCE

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- **TÜBİTAK Space Tech. Research Institute** ,*Senior Researcher*
- **Yıldırım Beyazıt University**, *Adjunct Instructor*  
EE-585 NanoElectronics (Fall Semester, 19)
- **Yıldırım Beyazıt University**, *Adjunct Instructor*  
DT-Defense Applications of Nanomaterial/Nanotechnology (Spring Semester, 18)
- **Çukurova University**, *Laboratory Assistant*  
**Lab. (physics dept.)** ( Sep, 14-Jun, 17)  
Optics and Waves Lab.  
Quantum I-II Lab.  
Analog-Digital Elektronik Lab.  
Thermodynamics Lab.
- **Çukurova University**, *Adjunct Instructor*  
General Physics I-II (Fall/ Spring Semester, 14-,15)
- **Çukurova University**, *Adjunct Instructor*  
Solid State Physics (Spring Semester,12)
- **Çukurova University** ,*Researcher*  
TUBİTAK Project (TBAG-110T375) ( Sep 2010-Dec 2013)

## TRAINING

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1. Ufuk2020 İşbirliği Programları Proje Yazma Eğitimi , Çukurova University,14-15/12/2017.
2. Avrupa Birliği Uygulamalı Proje Döngüsü Yönetimi Eğitimleri, Adana Valiliği AB ve Dış İlişkiler Birimi, 15-17/03/ 2017.
3. Kosgeb onaylı Uygulamalı Girişimcilik Eğitimi, Çukurova University, Technology Transfer Center,13-16/02/2017 .
4. Elektrik SMM Eğitimi , MISEM- Elektrik Mühendisleri Odası,07-09/12/2016
5. TRAFO Merkezleri Tasarımı (36 kV'a kadar) Eğitimi, MISEM- Elektrik Mühendisleri Odası (EMO), 20-21/10/2016.
6. Tübitak 1601, Yenilik ve Girişimcilik Alanlarında Kapasite Artırılmasına Yönelik Destek Programı, Çukurova University Technology Transfer Center,2016, 42- hour training.
7. International Vacuum Technology Training, Afyon Kocatepe University, 25-29/03/2016
8. Network ve Mobil Servisler Eğitimi, Data Everywhere Sertifikasyon Programı , 02-09/11/2013

## PUBLICATIONS

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### Conferences

1. XII. Automatic Control Seminar and Exhibition, 10-11 May 2011, Adana.
2. TFD- 28, Optical Properties of Carbon Semiconductor Thin Films Produced by ECR MW PLASMA SYSTEM, 25-29 Aug, 2011, Bodrum.
3. ISWCMMP-2011 International Student Workshop on Condensed Matter and Materials Physics Workshop/ The Effect of Doping on The Carbon Based Thin Films, Dec, 2011, Antalya.
4. TFD- 29, The Effect of Doping on The Carbon Based Thin Films Produced by ECR MW PLASMA SYSTEM, 5-8 Sep, 2012, Bodrum.
5. 9 Th, Nanoscience and Nanotechnology Conference /Structure and Properties of Carbon Semiconductor Thin Films Produced by ECR MW PLASMA SYSTEM, 24-28 June 2013,Erzurum
6. Data Everywhere Certification Program, Network and Mobile Services Education, 2 Nov- 9 Dec 2013, Adana.
7. 5th. National Catalysis Congress,Çukurova University,23-26 Apr, 2014, Adana.
8. 10Th, Nanoscience and Nanotechnology Conference Fabrication and Characterization of The Carbon Based Thin Films, 17-21 Jun 2014, İstanbul.
9. YEKSEM “VIII. “Yenilenebilir Enerji Kaynakları Sempozyumu” (Ç.Ü.), 15-16 Ekim 2015 , Adana.
10. UZAL-CBS “VI. Uzaktan Algılama ve Coğrafi Bilgi Sistemleri Sempozyumu” (Ç.Ü.) ,5-7 Ekim 2016, Adana.

- 11.“3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN 2016)”,19-24 Oct, 2016, Antalya.
- 12.1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26-28 Oct, 2016, Adana.
- 13.Second International Hydrogen Technologies Congress (IHTEC-2017) 15-18 Mar, 2017, Adana.
- 14.XV.Otomatik Kontrol Seminer ve Sergisi, 25-26 May 2017 ,Adana.
- 15.International Conference on Condensed Matter and Materials Science (ICCMMS-2017), 11-15 Oct, 2017,Adana.

### **Journals**

1. Kavak H. , Erdoğan N.H., Kara K., Yanış H., **Baz Z.**, Esen R., "Characterization Of N And P Type ZnO Thin Films Deposited By Cathodic Pulsed Filtered Vacuum Arc System", International Journal of Modern Physics B, Vol.23, pp.1719-1724, 2009.
2. Evrim Baran, **Zeynep Baz**, Ramazan Esen, Birgöl Yazici Devrim, “TiO<sub>2</sub>-NT electrodes modified with Ag and diamond like carbon (DLC) for hydrogen production by alkaline water electrolysis”, Applied Surface Science, Volume 420, Pages 416-428 , 31 October 2017.
3. A. Evcin, E. Arlı, **Z. Baz**, R. Esen, E.G. Sever, “Characterization of Ag-TiO<sub>2</sub> Powders Prepared by Sol-Gel Process”, ACTA PHYSICA POLONICA A, Volume 132, Pages 608, 2017.
4. Investigation of Magnetic Field Effect on Hydrogen Production Performance by Aqueous Methanol Electrolysis E.Arlı, Z.Baz, H.Karrakılçık, M.Karakılçık,G.Kılınçeker, International Journal of Hydrogen Energy, 2019 (under review..)
5. **Zeynep Baz** , Ramazan Esen ,Production and Optical Properties of Zinc Nitride (Zn<sub>3</sub>N<sub>2</sub>) By Pulsed Filtered Cathodic Vacuum Arc Deposition System, Çukurova University ,Institute of Natural and Applied Sciences , Volume: 19-5, Year: 2008.
6. **Zeynep Baz**, Ramazan Esen, Production of Gold and Silver Coated Substrates for SERS RAMAN and Application on MW ECR Plasma System DLC Thin Films, Çukurova University, Institute of Natural and Applied Sciences, Volume: 39-6, Year: 2018.

### **Books**

1. Analog &Digital Elektronik Laboratuvarı, (Çukurova Üniv. F.E.F. Fizik Bölümü Ders Notu, Adana ,2010)
2. Dalgalar ve Optik Laboratuvarı, ( Çukurova Üniv. F.E.F. Fizik Bölümü Ders Notu , Adana ,2010)
3. Kuantum I-II Laboratuvarı, (Çukurova Üniv. F.E.F. Fizik Bölümü Ders Notu , Adana ,2010)
4. Termodinamik Laboratuvarı, (Çukurova Üniv. F.E.F. Fizik Bölümü Ders Notu , Adana ,2010)

## **LANGUAGES**

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Native in Turkish, Fluent in English.

## **MEMBERSHIPS**

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- The Chamber of Electrical Engineers (EMO)
- Turkish Physical Association (TFD)
- National Hydrogen Association