

# HULUSI KEMAL ULUTAŞ

## ASSOC. PROF.

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAC-7868-2020

Yoksis Researcher ID: 125287

## Learning Knowledge

Doctorate  
1990 - 1999

Istanbul University, Faculty Of Science, Fizik/Genel Fizik, Turkey

Postgraduate  
1987 - 1989

Istanbul University, Faculty Of Science, Department Of Physics, Turkey

Undergraduate  
1980 - 1987

Istanbul University, Faculty Of Science, Department Of Physics, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, İnce Filmlerde Optik Geçirgenliğin ve Elektrik İletkenliğin Kalınlığa Bağlılığı, Istanbul University, Faculty of Science, Fizik, 1999

Postgraduate, Bizmut İnce Filmlerinin Elektrik Özellikleri, Istanbul University, Faculty of Science, Fizik, 1989

## Academic Titles / Tasks

Associate Professor  
2019 - Continues

Istanbul University, Faculty of Science, Department of Physics

Assistant Professor  
2018 - 2019

Istanbul University, Faculty Of Science, Department Of Physics

Assistant Professor  
2000 - 2018

Istanbul University, Faculty of Science, Department of Physics

Research Assistant PhD

1999 - 2000

Istanbul University, Faculty of Science, Department of Physics

Research Assistant

1988 - 1999

Istanbul University, Faculty of Science, Department of Physics

## Supported Projects

1. ULUTAŞ H. K., BIKIROVA M., Project Supported by Higher Education Institutions, TIInS2 İnce Filmlerinin Dielektrik Özelliklerinin İncelenmesi, 2023 - 2023
2. ULUTAŞ H. K., ULUTAŞ D., YAKUT Ş., BOZOĞLU PARTO D., SAĞLAM U., ŞİTİLBAY B., YARDIM M. S., Project Supported by Higher Education Institutions, Bitümün modifiye edilerek özelliklerinin incelenmesi, 2019 - 2021
3. EROL A., PERÇİN ÖZKORUCUKLU S., KURUOĞLU F., AKALIN E., CEVHER E., AK T., ULUTAŞ H. K., GÜL A., SIRMA EKMEKÇİ S., DÖNMEZ Ö., et al., Project Supported by Higher Education Institutions, İstanbul Üniversitesi Araştırma Laboratuvarları Sürekliliği Araştırma Desteği, 2018 - 2021
4. YAKUT Ş., ULUTAŞ D., ULUTAŞ H. K., Project Supported by Higher Education Institutions, Plasma discharge power dependent ac conductivity of plasma poly(ethylene oxide) thin films, 2018 - 2019
5. ULUTAŞ H. K., KARA T., Project Supported by Higher Education Institutions, Asfalt Materyallerin Dielektrik Özellikleri, 2016 - 2019
6. YAKUT Ş., ULUTAŞ H. K., ULUTAŞ D., BOZOĞLU D., Project Supported by Higher Education Institutions, Plazma Polimer İnce Filmlerin Üretilmesi ve Dielektrik Özelliklerinin İncelenmesi, 2017 - 2018
7. ULUTAŞ H. K., ULUTAŞ D., Project Supported by Higher Education Institutions, Dielectric properties of plasma polymerized polyethylene oxide thin films, 2017 - 2018
8. ULUTAŞ D., ULUTAŞ H. K., YAKUT Ş., KARA H., Project Supported by Higher Education Institutions, Dielectric properties and ac conductivity of TlSbTe<sub>2</sub> thin films, 2016 - 2018
9. MUSTAFAEVA S. N., ULUTAŞ D., ULUTAŞ H. K., KERİMOVA E. M., BOZOĞLU D., Project Supported by Higher Education Institutions, A comparison of ac conductivity for Bulk and thin film TlGaS<sub>2</sub> Samples, 2017 - 2017
10. ULUTAŞ D., YAKUT Ş., ULUTAŞ H. K., BOZOĞLU D., Project Supported by Higher Education Institutions, Dielectric Properties of Thallium Gallium Sulfide TlGaS<sub>2</sub> Material, 2017 - 2017
11. ULUTAŞ H. K., YAKUT Ş., Project Supported by Higher Education Institutions, Behaviour of Dielectric Relaxation in TlSe thin films, 2017 - 2017
12. ULUTAŞ H. K., ULUTAŞ D., Project Supported by Higher Education Institutions, Effect of Plasma Discharge Power on Activation Energies of Plasma PolyEthylene Oxide Thin Films, 2017 - 2017
13. ULUTAŞ H. K., YAKUT Ş., ULUTAŞ D., Project Supported by Higher Education Institutions, Plasma discharge power dependent alternative conductivity of Plasma Polymerized Polyethylene Oxide pPEO thin films, 2016 - 2016
14. ULUTAŞ D., PARTO M., ULUTAŞ H. K., YAKUT Ş., Project Supported by Higher Education Institutions, Structure and delectric behaviour of TlSbS<sub>2</sub>, 2014 - 2016
15. ULUTAŞ H. K., Project Supported by Higher Education Institutions, Enerji verimliliğinin artırılmasına malzemelerin üretimi ve karakteristik özelliklerinin belirlenmesi, 2009 - 2013
16. ULUTAŞ H. K., DELİGÖZ H., TUBITAK Project, Polimer-İyonik Tuz Elektrolitlerinin:(I) İletkenlik-Serbest Hacim İlişkilerinin Pozitronyum Annihilasyon Tekniği (PALS) ile İncelenmesi ve (II) PEM tipi Yakıt Hücrelerinde Kullanımı, 2007 - 2009

## Awards

1. Ulutaş H. K., Yakut Ş., Ulutaş D., En iyi sunum Ödülü, Waset, June 2017

## Jury Memberships

Post Graduate, Tez Savunma Sınavı Jürisi, İstanbul Üniversitesi, July, 2011  
Post Graduate, Tez Savunma Sınavı Jürisi, Marmara Üniversitesi, October, 2009  
Post Graduate, Tez Savunma Sınavı Jürisi, Marmara Üniversitesi, October, 2009  
Doctorate, Tez Savunma Sınavı Jürisi, Marmara Üniversitesi, June, 2008  
Post Graduate, Tez Savunma Sınavı Jürisi, Marmara Üniversitesi, October, 2004  
Post Graduate, Tez Savunma Sınavı Jürisi, İstanbul Üniversitesi, July, 2004  
Post Graduate, Tez Savunma Sınavı Jürisi, İstanbul Üniversitesi, May, 2004

## Research Infrastructure Information

Ulutaş H. K., Dielectrick spectroscopy laboratory, December 2009

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

- 1. The effect of Fe content on the dielectric properties of  $TiGa(0,999)Fe(0,001)S_2$  thin films**  
Bakran H., YAKUT Ş., BOZOĞLU PARTO D., Deger D., Ismailova P., Mustafaeva S., Hasanov A., Ulutas K.  
Physica B: Condensed Matter, vol.685, 2024 (SCI-Expanded)
- 2. Thickness-dependent glass transition temperature of hydroxyethyl cellulose thin films based on dielectric properties**  
Ulutas K., YAKUT Ş., BOZOĞLU PARTO D., Tankul M. I., Deger D.  
Journal of Applied Polymer Science, vol.141, no.14, 2024 (SCI-Expanded)
- 3. Polarization mechanisms of  $TlSbS_2$  thin films**  
YAKUT Ş., Deger D., BOZOĞLU PARTO D., Ulutas K.  
Journal of Optoelectronics and Advanced Materials, vol.25, no.5-6, pp.294-301, 2023 (SCI-Expanded)
- 4. Investigation of dielectric properties of PEGMEA/PEGDA nanocomposites containing in-situ photochemically prepared  $\gamma$ - $Fe_2O_3$  nanocrystals**  
Kirtay H., Yakut S., Deger D., Ulutas K., ARSU N.  
MATERIALS RESEARCH BULLETIN, vol.153, 2022 (SCI-Expanded)
- 5. Dielectric spectra of polythiophene nanoparticles synthesized at different magnetic flux densities. Journal of Optoelectronics and Advanced Materials**  
Serin M., Yakut Ş., Ulutaş H. K., Çalışkan M., Bozoğlu Parto D., Ulutaş D., Hüner K., Karaman F.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.24, no.5-6, pp.286-292, 2022 (SCI-Expanded)
- 6. Dielectric spectra of polythiophene nanoparticles synthesized at different magnetic flux densities**  
SERİN M., Yakut S., Ulutas K., ÇALIŞKAN M., Bozoglu D., Deger D., HÜNER K., KARAMAN F.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.24, no.5-6, pp.286-292, 2022 (SCI-Expanded)
- 7. Thickness dependence of dielectric properties and glass transition temperature of bitumen**  
Kara T., Bozoglu D., Yardim S., Sitalbay B. D., Yakut Ş., Deger D., Ulutas K.  
ROAD MATERIALS AND PAVEMENT DESIGN, vol.22, no.7, pp.1637-1653, 2021 (SCI-Expanded)
- 8. A theoretical approach to conductivity**  
Saglam U., Ulutas K., Parim Y., Yakut Ş., Deger D.  
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.17, no.1, 2020 (SCI-Expanded)
- 9. Effect of thickness on the dielectric properties and glass transition of plasma poly(ethylene oxide) thin films**  
Yakut S., Ulutas K., Deger D.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.104, 2019 (SCI-Expanded)
- 10. Structural and dielectrical characterization of low-k polyurethane composite films with silica aerogel**

- Bozoglu D., Deligoz H., Ulutas K., Yakut Ş., Deger D.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.130, pp.46-57, 2019 (SCI-Expanded)
11. **Influence of Bi on dielectric properties of GaAs<sub>1-x</sub>Bi<sub>x</sub> alloys**  
Ulutas K., Yakut Ş., Bozoglu D., Deger D., Arslan M., Erol A.  
MATERIALS SCIENCE-POLAND, vol.37, no.2, pp.244-248, 2019 (SCI-Expanded)
  12. **Ionic conductivity of PVdF-co-HFP/LiClO<sub>4</sub> in terms of free volume defects probed by positron annihilation lifetime spectroscopy**  
Yahşi U., Deligoz H., Tav C., Ulutas K., Deger D., Yilmazturk S., Erdemci G., Coskun B., Yilmazoglu M., Yakut Ş.  
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.174, no.3-4, pp.214-228, 2019 (SCI-Expanded)
  13. **Dielectric properties of TlInSe<sub>2</sub> ternary compound**  
Yakut Ş., Kalkan N., Bas H., Ulutas K., Deger D.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.20, no.11-12, pp.657-660, 2018 (SCI-Expanded)
  14. **Dielectric properties of AuNPs/PEGMEA/PEGDA nanocomposite film prepared with an alpha-amino ketone by in-situ photochemical method**  
Yakut Ş., Ulutas K., Bozoglu D., Adibelli M., Ceper T., Arsu N., Deger D.  
PHYSICA B-CONDENSED MATTER, vol.542, pp.6-11, 2018 (SCI-Expanded)
  15. **The thickness dependence of dielectric properties in the plasma polymer thin films**  
Ulutas K.  
CANADIAN JOURNAL OF PHYSICS, vol.96, no.7, pp.792-795, 2018 (SCI-Expanded)
  16. **Dielectric properties and conductivity of PVdF-co-HFP/LiClO<sub>4</sub> polymer electrolytes**  
Ulutas K., YAHŞI U., Deligoz H., TAV C., Yilmazturk S., Yilmazoglu M., ERDEMCI G., Coskun B., Yakut Ş., Deger D.  
CANADIAN JOURNAL OF PHYSICS, vol.96, no.7, pp.786-791, 2018 (SCI-Expanded)
  17. **ROMP-based boron nitride composites**  
HÜNER K., Ulutas K., Deligoz H., Sartinska L., EREN T.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, no.2, 2018 (SCI-Expanded)
  18. **THICKNESS DEPENDENT AC CONDUCTIVITY OF PLASMA POLY (ETHYLENE OXIDE) THIN FILMS**  
Ulutas K.  
ROMANIAN REPORTS IN PHYSICS, vol.70, no.3, 2018 (SCI-Expanded)
  19. **Plasma discharge power dependent AC conductivity of plasma poly(ethylene oxide) thin films**  
Yakut Ş., Ulutas K., Deger D.  
THIN SOLID FILMS, vol.645, pp.269-277, 2018 (SCI-Expanded)
  20. **Dielectric and Raman spectroscopy of TlSe thin films**  
Ozel A., Deger D., Celik S., Yakut Ş., Karabak B., Akyuz S., Ulutas K.  
PHYSICA B-CONDENSED MATTER, vol.527, pp.72-77, 2017 (SCI-Expanded)
  21. **Dielectric properties of plasma polymerized poly(ethylene oxide) thin films**  
Yakut Ş., Ulutas H. K., MELNICHUK I., CHOUKOUROV A., BIEDERMAN H., Deger D.  
THIN SOLID FILMS, vol.616, pp.279-286, 2016 (SCI-Expanded)
  22. **Dielectric properties and ac conductivity of TlSbTe<sub>2</sub> thin films**  
Deger D., Ulutas K., Yakut Ş., Kara H.  
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.38, pp.1-7, 2015 (SCI-Expanded)
  23. **Structure and dielectric behavior of TlSbS<sub>2</sub>**  
Parto M., Deger D., Ulutas K., Yakut Ş.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.112, no.4, pp.911-918, 2013 (SCI-Expanded)
  24. **ac conductivity and dielectric properties of Al<sub>2</sub>O<sub>3</sub>**  
Değer D., Ulutaş H. K., Yakut Ş.  
Journal Of Ovonic Research, vol.8, pp.179-188, 2012 (SCI-Expanded)
  25. **AC CONDUCTIVITY AND DIELECTRIC PROPERTIES OF Al<sub>2</sub>O<sub>3</sub> THIN FILMS**  
Deger D., Ulutas K., Yakut Ş.  
JOURNAL OF OVONIC RESEARCH, vol.8, no.6, pp.179-188, 2012 (SCI-Expanded)
  26. **Synthesis and characterization of anhydrous conducting polyimide/ionic liquid complex membranes**

**via a new route for high-temperature fuel cells**

Deligoz H., Yilmazoglu M., Yilmazturk S., Sahin Y., Ulutas K.

POLYMERS FOR ADVANCED TECHNOLOGIES, vol.23, no.8, pp.1156-1165, 2012 (SCI-Expanded)

27. **Relaxation spectrum of the TlSbSe<sub>2</sub> thin films**

Deger D., Ulutas K., Yildirim S., Kalkan N.

PHYSICA B-CONDENSED MATTER, vol.404, pp.5231-5233, 2009 (SCI-Expanded)

28. **On the Ionic Conductivity of Polymer Electrolytes in Terms of Hole Fraction**

YAHŞI U., Ulutas K., TAV C., Deger D.

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.46, no.20, pp.2249-2254, 2008 (SCI-Expanded)

29. **Electrical switching in TlSbSe<sub>2</sub> chalcogenide semiconductors**

Kalkan N., Yildirim S., Ulutas K., Deger D.

JOURNAL OF ELECTRONIC MATERIALS, vol.37, no.2, pp.157-160, 2008 (SCI-Expanded)

30. **Electrical switching in TlSbSe<sub>2</sub> chalcogenide semiconductors**

Kalkan N., Yildirim S., Ulutaş H. K., Değer D.

Journal Of Electronic Materials, vol.37, pp.157-160, 2007 (SCI-Expanded)

31. **Thickness dependence of optical properties of amorphous indium oxide thin films deposited by reactive evaporation**

Ulutas K., Deger D., Skarlatos Y.

PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.203, no.10, pp.2432-2437, 2006 (SCI-Expanded)

32. **Conduction mechanisms in TlSbSe<sub>2</sub> chalcogenides**

Ulutas K., Kalkan N., Yildirim S., Deger D.

CRYSTAL RESEARCH AND TECHNOLOGY, vol.40, no.9, pp.898-900, 2005 (SCI-Expanded)

33. **dc conduction properties of TlSbSe<sub>2</sub> crystals**

Kalkan N., Yildirim S., Deger D., Ulutas K., Celebi Y.

MATERIALS RESEARCH BULLETIN, vol.40, no.6, pp.936-941, 2005 (SCI-Expanded)

34. **A novel cross-linked polyimide film: synthesis and dielectric properties**

Deligoz H., Ozgumus S., Yalcinyuva T., Yildirim S., Deger D., Ulutas K.

POLYMER, vol.46, no.11, pp.3720-3729, 2005 (SCI-Expanded)

35. **Dielectric properties of sol-gel derived Ta<sub>2</sub>O<sub>5</sub> thin films**

YILDIRIM S., Ulutas K., DEGER D., Zayim E., Türhan İ.

Vacuum, vol.77, no.3, pp.329-335, 2005 (SCI-Expanded)

36. **Conduction and dielectric polarization in Se thin films**

Deger D., Ulutas K.

VACUUM, vol.72, no.3, pp.307-312, 2003 (SCI-Expanded)

37. **Comparison of dielectric dispersion of Al<sub>2</sub>O<sub>3</sub> and Se thin films**

DEGER D., Ulutaş K.

Journal of Applied Physics, vol.89, no.12, pp.8101-8104, 2001 (SCI-Expanded)

## Articles Published in Other Journals

1. **Alternative Conductivity of TlSe Thin Film**

Ulutas K.

JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.21, no.3, pp.753-757, 2018 (ESCI)

2. **Thickness dependent dielectric loss of plasma poly(ethylene oxide) films**

ULUTAŞ H. K.

Cumhuriyet Science Journal Dergisi, vol.39, no.2, pp.366-374, 2018 (Peer-Reviewed Journal)

3. **analysis and comparison of dielectric properties of sodium carboxymethyl cellulose and chitosan based polymer films**

Yılmaz E., Deligöz H., Ulutaş H. K., Açıköz M., Değer D.

- BALKAN PHYSICS LETTERS, vol.22, pp.145-155, 2014 (Peer-Reviewed Journal)
4. **Thickness dependence of the dielectric properties of TlSbS<sub>2</sub> thin films**  
Parto M., Değer D., Ulutaş H. K.  
Fizika Azerbaijan Journal of Physics, vol.16, pp.339-341, 2010 (Peer-Reviewed Journal)
  5. **Dependence of Dielectric Dispersion on The Type of Charge Carriers in Al<sub>2</sub>O<sub>3</sub> Thin Films**  
Değer D., Ulutaş H. K.  
University of İstanbul, Faculty of Science, The Journal of Astronomy and Physics, vol.63-64, pp.27-34, 2001 (Peer-Reviewed Journal)
  6. **Optical and Electrical Properties of In<sub>2</sub>O<sub>3</sub> Thin Films Prepared by Reactive Evaporation**  
Ulutaş H. K., Değer D.  
University of İstanbul, Faculty of Science, The Journal of Astronomy and Physics, vol.63-64, pp.19-26, 2001 (Peer-Reviewed Journal)
  7. **A Comparison of Optical Properties of SnO<sub>2</sub> Thin Films Prepared by Reactive Evaporation and by Annealing**  
Ulutaş H. K., Değer D.  
Bulgarian J. Phys, vol.27, pp.162-165, 2000 (Peer-Reviewed Journal)
  8. **Thickness Dependence of Optical Properties of Tin Oxide Thin Films**  
Ulutaş H. K., Değer D., Skarlatos Y.  
Balkan Physics Letters, vol.8, pp.64-68, 2000 (Peer-Reviewed Journal)
  9. **Dielectric Dispersion in Se Thin Films**  
Değer D., Ulutaş H. K.  
Balkan Phys. Letters, vol.8, pp.48-52, 2000 (Peer-Reviewed Journal)
  10. **Optical Properties of Tin Oxide Thin Films by Reactive Evaporation**  
Ulutaş H. K., Değer D.  
Balkan Phys. Lett, vol.8, pp.130-134, 2000 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

1. **Thickness dependence of AC conductivity in TlSe thin films**  
Yakut Ş., Ulutaş H. K., Bozoğlu Parto D., Sağlam U., Değer D.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.190
2. **AC conductivity mechanisms in TlSe thin films**  
Sağlam U., Yakut Ş., Ulutaş H. K., Bozoğlu Parto D., Değer D.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.148
3. **Effect of thickness on dielectric properties of superhydrophobic silica aerogel doped polyurethane films**  
Bozoğlu Parto D., Yakut Ş., Ulutaş H. K., Sağlam U., Potok O., Değer D.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.159
4. **Thickness dependence of thermal activation for plasma poly(ethylene oxide) (PPEO)**  
Yakut Ş., Ulutaş H. K., Bozoğlu Parto D., Sağlam U., Değer D.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.191
5. **Temperature dependence of dielectric properties of superhydrophobic silica aerogel doped polyurethane films**  
Bozoğlu Parto D., Yakut Ş., Ulutaş H. K., Sağlam U., Değer D.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.186
6. **AC conductivity of (TlGaS<sub>2</sub>)<sub>0.98</sub> (AgGaS<sub>2</sub>)<sub>0.02</sub> thin film sample**  
Ulutaş H. K., Yakut Ş., Bozoğlu Parto D., Sağlam U., Mustafaeva S., Kerimova E., Jafarova S., Değer D.  
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.148
7. **Superhydrophobic silica aerogel doping dependence of dielectric properties for polyurethane composite films**

- Bozođlu Parto D., Yakut Ő., UlutaŐ H. K., Sađlam U., Deđer D.  
Turkish Physical Society 34th International Physics Congress, Muđla, Turkey, 5 - 09 September 2018, pp.185
8. **Dielectric properties of TlSe thin films ar radio wave frequencies**  
Bozođlu Parto D., Yakut Ő., UlutaŐ H. K., Sađlam U., Potok O., Deđer D.  
Turkish Physical Society 34th International Physics Congress, Muđla, Turkey, 5 - 09 September 2018, pp.155
9. **A nonlinear approach to conductivity**  
Sađlam U., UlutaŐ H. K., Parim Y., Yakut Ő., Bozođlu Parto D., Deđer D.  
Turkish Physical Society 34th International Physics Congress, Muđla, Turkey, 5 - 09 September 2018, pp.147
10. **Dielectric Relaxation Behavior of Superhydrophobic silica aerogel**  
Bozođlu Parto D., Yakut Ő., UlutaŐ H. K., Sađlam U., Deđer D.  
Turkish Physical Society 34th International Physics Congress, Muđla, Turkey, 5 - 09 September 2018, pp.154
11. **Comparison Of DC And AC Conductivity of Polyester Composite Films Doped by Polypyrrole and CoFe2O4 Nanoparticles**  
Yılmaz E. Ő., Gůrkaynak Altınçekiç T., Yakut Ő., Bozođlu Parto D., UlutaŐ H. K., UlutaŐ D.  
Tůrk Fizik Derneđi 33.Uluslararası Fizik Kongresi , Muđla, Turkey, 6 - 09 September 2017, pp.1-2
12. **Capacitive Behaviour of TlGaS2 Thin Films Samples**  
UlutaŐ H. K., Bozođlu Parto D., Yakut Ő., Kerimova E., Mustafaeva S., Jafarova S., UlutaŐ D.  
Turkish Physical Society 33 nd International Physics Congress, Muđla, Turkey, 6 - 10 September 2017, pp.1-2
13. **AC Conductivity of Hydrophobic Silica Aerogels**  
Bozođlu Parto D., Deligůz H., UlutaŐ H. K., Deđer D.  
Turkish Physical Society 33th International Physics Congress, Muđla, Turkey, 6 - 10 September 2017, pp.190
14. **DIELECTRIC PROPERTIES OFPOLYETHYLENEGLYCOL BASED SCAFFOLDS PREPARED VIA GASFOAMING METHOD**  
Serin M., Deđer D., Őzmen M., UlutaŐ H. K., Bozođlu Parto D., ÇalıŐkan M., Aytuđrul B.  
Turkish Physical Society 33th International Physics Congress, Muđla, Turkey, 6 - 10 September 2017, pp.1
15. **Dielectric Relaxation in TlGaS2 Thin Films**  
KuŐkonmaz B., Deđer D., Yakut Ő., Bozođlu D., Kerimova E., Mustafaeva S., Jafarova S., UlutaŐ H. K.  
" Turkish Physical Society 33 nd International Physics Congress, Muđla, Turkey, 6 - 10 September 2017, pp.504
16. **Capacitive Behavior of TlGaS2 Thin Film Samples**  
UlutaŐ H. K., Bozođlu Parto D., Yakut Ő., Kerimova E., Mustafaeva S., Jafarova S., Deđer D.  
Turkish Physical Society 33th International Physics Congress, Muđla, Turkey, 6 - 10 September 2017, pp.154
17. **Dielectric characterization of natural polymer based hierarchical porous scaffolds**  
Serin M., Deđer D., Őzmen M., UlutaŐ H. K., Bozođlu Parto D., ÇalıŐkan M., Őem T.  
Turkish Physical Society 33th International Physics Congress, Muđla, Turkey, 6 - 10 September 2017, pp.599
18. **A Comprasion of AC Conductivity for Bulk and Thin Film TlGaS2 Samples**  
Yakut Ő., UlutaŐ H. K., Bozođlu Parto D., Kerimova E., Mustafaeva S., Jafarova S., Deđer D.  
Turkish Physical Society 33th International Physics Congress, Muđla, Turkey, 6 - 10 September 2017, pp.154
19. **A Comprasion of Dielectric Properties of TlGaS2 Bulk and Thin Film Samples**  
Bozođlu D., Yakut Ő., UlutaŐ H. K., Kerimova E., Mustafaeva S., Jafarova S., Deđer D.  
Tůrk Fizik Derneđi 33. Uluslararası Fizik Kongresi, Muđla, Turkey, 6 - 10 September 2017, pp.154
20. **Behaviour of Ac conductivity of TlGaS2 bulk and thin films**  
UlutaŐ H. K., Yakut Ő., Bozođlu Parto D.  
33nd International Physics Congress , Muđla, Turkey, 6 - 10 September 2017, pp.5
21. **Comparison of DC and AC Conductivity of PolyesterComposite Films Doped by Polypyrrole and CoFe2O4 Nanoparticles.**  
Őztůrk Yılmaz E., Gůrkaynak Altınçekiç T., Yakut Ő., UlutaŐ H. K., Bozođlu Parto D., Deđer D.  
Turkish Physical Society 33th International Physics Congress, Muđla, Turkey, 6 - 10 September 2017, pp.5
22. **Ac Conductivity Dependence Of Frequency And Temperature In Shell Of Betula**  
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İleri Fizik Uygulamaları, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2002 - 2003, 2001 - 2002, 2000 - 2001  
Fizik II(II.Öğr.), Associate Degree, 2011 - 2012, 2010 - 2011, 2009 - 2010  
Fizik I, Associate Degree, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004  
Fizik II, Associate Degree, 2005 - 2006  
Fizik I(Yaz Okulu), Associate Degree, 2004 - 2005  
Fizik III, Associate Degree, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002  
Fizik II(Yaz Okulu), Associate Degree, 2004 - 2005, 2003 - 2004, 2002 - 2003  
Genel Fizik I(Yaz Okulu)(FKB), Associate Degree, 2002 - 2003  
Genel Fizik I, Associate Degree, 2002 - 2003  
Genel Fizik I, Associate Degree, 2002 - 2003  
Genel Fizik II, Associate Degree, 2002 - 2003  
Fizik I Lab., Associate Degree, 2002 - 2003, 2001 - 2002  
Genel Fizik II(Yaz Okulu)(FKB), Associate Degree, 2002 - 2003  
Genel Fizik II(FKB), Associate Degree, 2001 - 2002  
Genel Fizik I(Yaz Okulu)(FKB), Associate Degree, 2001 - 2002  
Genel Fizik II(Yaz Okulu)(FKB), Associate Degree, 2001 - 2002  
Fizik I Lab.(Yaz Okulu), Associate Degree, 2001 - 2002  
Genel Fizik I(FKB), Associate Degree, 2001 - 2002

## Advising Theses

Ulutaş H. K., INVESTIGATION OF DIELECTRIC PROPERTIES OF POLYETHYLENE OXIDE THIN FILMS, Postgraduate, O.Potok(Student), 2019  
Ulutaş H. K., INVESTIGATION OF DIELECTRIC PROPERTIES OF THALLIUM GALLIUM DISULFIDE (TlGaS<sub>2</sub>) THIN FILMS, Postgraduate, Z.Çiçek(Student), 2019  
Ulutaş H. K., Dielectric properties of asphalt materials, Postgraduate, T.Kaya(Student), 2019  
Ulutaş H. K., İyonik tuz içeren polimer elektrolitlerde iyonik iletkenlik davranışı, Postgraduate, Y.Şahin(Student), 2010

## Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği, Member, 1990 - Continues

## Scientific Refereeing

PHASE TRANSITIONS, SCI Journal, March 2020  
PHASE TRANSITIONS, SCI Journal, June 2019

EXPRESS POLYMER LETTERS, SCI Journal, October 2018  
AIP Conference Proceedings, Other journals, November 2016  
Physica status solidi a , SCI Journal, October 2011  
Project Supported by Higher Education Institutions, October 2011  
Journal of alloys and compounds , SCI Journal, October 2008  
Plasma Processes and Polymers , SCI Journal, October 2005

### Tasks In Event Organizations

Ulutaş H. K., 3.Fizik Çalıştayı, Workshop Organization, İstanbul, Turkey, Şubat 2013  
Ulutaş H. K., 2.Fizik Çalıştayı, Workshop Organization, İstanbul, Turkey, Şubat 2012  
Ulutaş H. K., 1. Fizik Çalıştayı, Workshop Organization, İstanbul, Turkey, Şubat 2011

### Metrics

Publication: 158  
Citation (WoS): 419  
Citation (Scopus): 409  
H-Index (WoS): 12  
H-Index (Scopus): 12

### Congress and Symposium Activities

5th International Conference "Dusty plasmas in Applications", Attendee, Odesa, Ukraine, 2017  
27th International Physics Congress, Attendee, Turkey, 2010  
11th Europhysical conference on defect in insulating materials, Attendee, Hungary, 2010  
25th International conference on defect in semiconductors, Attendee, Russia, 2009  
21st General Conference of Condensed Matter Division, Attendee, Germany, 2006  
International Conference of Atomic Collision Solids, Attendee, France, 2001  
Fourth General Conference of the Balkan Physical Union, Attendee, Bulgaria, 2000  
Defects in SiO<sub>2</sub> and related dielectrics: Science and Technology Conference, Attendee, Italy, 2000  
Soft Condensed Matter, Attendee, Norway, 1999

### Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Structure of Liquids and Solids;  
Crystallography, Surfaces, Interfaces, Thin Films and Nanosystems, Natural Sciences