

# Prof. YILDIRIM AYDOĞDU

## Personal Information

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## Education Information

Doctorate, Firat University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 1988 - 1994

Post Graduate, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), Turkey 1985 - 1987

Under Graduate, Firat University, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Pr., Turkey 1981 - 1984

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Post Graduate, Dislokasyon-dislokasyon etkileşimi, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), 1987

## Research Areas

Natural Sciences, Engineering and Technology

## Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Fizik Bölümü, 2013 - Continues

Professor, Gazi University, Atatürk Meslek Yüksekokulu, Elektronik Ve Otomasyon Bölümü, 2011 - 2012

Professor, Firat University, Fen Fakültesi, Fizik Bölümü, 2005 - 2011

Associate Professor, Firat University, Fen Fakültesi, Fizik Bölümü, 2000 - 2005

Assistant Professor, Firat University, Fen Fakültesi, Fizik Bölümü, 1994 - 2000

Lecturer, Firat University, 1989 - 1994

Lecturer, Van Yüzüncü Yil University, 1988 - 1989

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1985 - 1988

## Professional Experience

Head of Department, Gazi University, Fen Fakültesi, Fizik Bölümü, 2020 - Continues

Head of Department, Gazi University, Atatürk Meslek Yüksekokulu, Elektronik Ve Otomasyon Bölümü, 2011 - 2012

Director of the Center, Firat University, Advanced Technology Application And Research Center, 2010 - 2011

Member of the Senate, Firat University, Faculty Of Science, 2010 - 2011

Head of Department, Firat University, Fen Fakültesi, Fizik Bölümü, 2008 - 2011

Head of Department, Firat University, Fen Fakültesi, Fizik Bölümü, 2007 - 2011

Yükseköğretim Kurulu Üyesi, Fırat University, School Of Physical Education And Sports, 2005 - 2007  
Fakülte Kurulu Üyesi, Fırat University, Faculty Of Arts And Sciences, 2001 - 2004  
Fakülte Yönetim Kurulu Üyesi, Fırat University, Faculty Of Arts And Sciences, 2001 - 2004  
Vice Dean, Fırat University, Fen Fakültesi, 2001 - 2004  
Deputy Head of Department, Fırat University, Fen Fakültesi, Fizik Bölümü, 1999 - 2001

## Advising Theses

AYDOĞDU Y., NiMn ESASLI ŞEKİL HAFIZALI ALAŞIMLARIN TERMAL VE ANTİMİKROBİYAL ÖZELLİKLERİNİN ARAŞTIRILMASI, Doctorate, O.KAREEM(Student), 2020  
AYDOĞDU Y., Ni-Mn-Sn şekil hafızalı alaşımların termal ve elektriksel özelliklerinin incelenmesi, Post Graduate, S.DAĞ(Student), 2019  
AYDOĞDU Y., Metal Oxide Uv Detector Array Fabrication And Characterization, Post Graduate, G.MEHMETOĞLU(Student), 2019  
AYDOĞDU Y., Şekil hatırlamalı Cu-Al-Co alaşımlarının üretimi ve fiziksel özelliklerinin incelenmesi, Post Graduate, F.KÜRÜM(Student), 2013  
AYDOĞDU Y., NiMnGa alaşımının fiziksel özelliklerine termal yaşlandırmanın etkisi ve x ışını mikrotomografi analizi, Post Graduate, C.YALÇIN(Student), 2012  
AYDOĞDU Y., Ni-Mn-Ga ferromanyetik şekil hatırlamalı alaşımının fiziksel özellikleri üzerine alaşım oranı ve ısıl işlem etkisinin incelenmesi, Doctorate, M.KÖK(Student), 2011  
AYDOĞDU Y., Ultrasonik spreyleme ve termal buharlaştırma yöntemleri kullanılarak MgB<sub>2</sub> süperiletken ince filmlerin üretilmesi ve karakterizasyonu, Doctorate, Z.DENİZ(Student), 2010  
AYDOĞDU Y., Cümlen ferromanyetik şekil hafızalı alaşım üretimi, termal ve manyetik özelliklerinin incelenmesi, Post Graduate, M.ŞAŞMAZ(Student), 2010  
AYDOĞDU Y., DSC ile termal iletkenlik ölçümü ve uygulamaları, Post Graduate, M.KÖK(Student), 2006  
AYDOĞDU Y., Geçiş metal komplekslerinin elektrik ve elektronik özelliklerinin incelenmesi, Doctorate, F.YAKUPHANOĞLU(Student), 2002  
AYDOĞDU Y., Bazı polimerlerin elektriksel iletkenlik özelliklerinin incelenmesi, Post Graduate, D.ÖZMEN(Student), 1999  
AYDOĞDU Y., Bazı amin-metal komplekslerinin elektriksel özelliklerinin incelenmesi, Post Graduate, F.YAKUPHANOĞLU(Student), 1998

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

- I. **The effects of boron addition on the magnetic and mechanical properties of NiMnSn shape memory alloys**  
Aydogdu Y., Turabi A. S. , Aydogdu A., Kok M., Yakinci Z. D. , Karaca H. E.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.126, no.2, pp.399-406, 2016 (Journal Indexed in SCI)
- II. **The effect of Sn content on mechanical, magnetization and shape memory behavior in NiMnSn alloys**  
Aydogdu Y., Turabi A. S. , Kok M., Aydogdu A., Yakinci Z. D. , Aksan M. A. , Yakinci M. E. , Karaca H. E.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.683, pp.339-345, 2016 (Journal Indexed in SCI)
- III. **The effects of substituting B for Cu on the magnetic and shape memory properties of CuAlMnB alloys**  
Aydogdu Y., Turabi A. S. , Aydogdu A., Vance E. D. , Kok M., Kirat G., Karaca H. E.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.122, no.7, 2016 (Journal Indexed in SCI)
- IV. **Synthesis, characterization and solid-state properties of [Zn(Hdmmthiol)(2)]center dot 2H(2)O complex**  
DAĞDELEN F., AYDOĞDU Y., Dey K., Biswas S.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.131, no.5, 2016 (Journal Indexed in SCI)
- V. **Shape memory effect and superelasticity of NiMnCoIn metamagnetic shape memory alloys under**

## high magnetic field

Turabi A. S. , Karaca H. E. , Tobe H., Basaran B., AYDOĞDU Y., Chumlyakov Y. I.  
SCRIPTA MATERIALIA, vol.111, pp.110-113, 2016 (Journal Indexed in SCI)

- VI. **Thermoelectric and mechanical properties of Mg-Al-Sb alloys**  
Altin E., Oz E., Erdem M., Demirel S., AYDOĞDU Y., Altin S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.26, no.2, pp.1023-1032, 2015 (Journal Indexed in SCI)
- VII. **Effects of the substitution of gallium with boron on the physical and mechanical properties of Ni-Mn-Ga shape memory alloys**  
AYDOĞDU Y., Turabi A. S. , KÖK M., AYDOĞDU A., Tobe H., Karaca H. E.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.117, no.4, pp.2073-2078, 2014 (Journal Indexed in SCI)
- VIII. **Thermal Properties, Microstructure and Microhardness of Cu-Al-Co Shape Memory Alloy System**  
AYDOĞDU Y., Kurum F., KÖK M., Yakinci Z. D. , AYDOĞDU A.  
TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, vol.67, no.4, pp.595-600, 2014 (Journal Indexed in SCI)
- IX. **Thermal and magnetic properties of Ni<sub>51</sub>Mn<sub>28.5</sub>Ga<sub>19.5</sub>B magnetic-shape-memory alloy**  
Kok M., Yakinci Z. D. , Aydogdu A., Aydogdu Y.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.115, no.1, pp.555-559, 2014 (Journal Indexed in SCI)
- X. **Effect of composition on the thermal behavior of NiMnGa alloys**  
KÖK M., AYDOĞDU Y.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.113, no.2, pp.859-863, 2013 (Journal Indexed in SCI)
- XI. **Electron Concentration Dependence of Phase Transition and Magnetic Properties in NiMnGa Alloys**  
KÖK M., AYDOĞDU Y.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1691-1696, 2013 (Journal Indexed in SCI)
- XII. **A Comparative Study on Thermal and Microstructural Properties of Different Types of NiMnGa Magnetic Shape Memory Alloys**  
KÖK M., AYDOĞDU Y.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1697-1701, 2013 (Journal Indexed in SCI)
- XIII. **Isothermal oxidation study on NiMnGa ferromagnetic shape memory alloy at 600-1000 degrees C**  
KÖK M., Pirge G., AYDOĞDU Y.  
APPLIED SURFACE SCIENCE, vol.268, pp.136-140, 2013 (Journal Indexed in SCI)
- XIV. **Effect of heat treatment on the physical properties of Ni-Mn-Ga alloy**  
KÖK M., AYDOĞDU Y.  
THERMOCHIMICA ACTA, vol.548, pp.51-55, 2012 (Journal Indexed in SCI)
- XV. **Synthesis, characterization, and thermal degradation of novel poly(2-(5-bromo benzofuran-2-yl)-2-oxoethyl methacrylate)**  
Koca M., Kurt A., Kirilmis C., AYDOĞDU Y.  
POLYMER ENGINEERING AND SCIENCE, vol.52, no.2, pp.323-330, 2012 (Journal Indexed in SCI)
- XVI. **Structural, electrical and optical properties of metal complexes of NNS donor ligand**  
Biswas S., Dagdelen F., AYDOĞDU Y., Dey K.  
MATERIALS CHEMISTRY AND PHYSICS, vol.129, no.3, pp.1121-1125, 2011 (Journal Indexed in SCI)
- XVII. **The Investigation of Thermal and Magnetic Properties and Microstructure Analysis of Cu-Al-Mn Shape Memory Alloys**  
Canbay C. A. , Aydogdu A., AYDOĞDU Y.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.871-877, 2011 (Journal Indexed in SCI)
- XVIII. **Effects of In-situ and Ex-situ Heat-Treatment Procedures on the Transport Properties of the MgB<sub>2</sub> Superconducting Thin Films Fabricated by Ultrasonic Spray Pyrolysis (USP) System**  
YAKINCI M. C. , AYDOĞDU Y., AKSAN M. A. , BALCI Y., ALTIN S.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.241-245, 2011 (Journal Indexed in SCI)

- XIX. **Thickness Dependence of Critical Current Density in MgB<sub>2</sub> Films Prepared by Thermal Evaporation Method**  
Yakinci Z. D. , AYDOĞDU Y.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.523-527, 2011 (Journal Indexed in SCI)
- XX. **The Magnetic Behavior and Physical Characterization of Cu-Mn-Al Ferromagnetic Shape Memory Alloy**  
Sasmaz M., Bayri A., AYDOĞDU Y.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.757-762, 2011 (Journal Indexed in SCI)
- XXI. **Synthesis and Characterization of MgB<sub>2</sub> Thin Films Prepared by 2.4 Mhz Ultrasonic Spray Pyrolysis System**  
Yakinci Z. D. , AYDOĞDU Y.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.529-534, 2011 (Journal Indexed in SCI)
- XXII. **Nano-sized Spherical MgB<sub>2</sub> Superconducting Powder Fabrication Using MHz Range Ultrasonic Spray Pyrolysis (USP) System**  
YAKINCI M. C. , AKSAN M. A. , BALCI Y., ALTIN S., ÖNAL Y., AYDOĞDU Y.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.235-239, 2011 (Journal Indexed in SCI)
- XXIII. **Epoxy- and Polyester-Based Composites Reinforced With Glass, Carbon and Aramid Fabrics: Measurement of Heat Capacity and Thermal Conductivity of Composites by Differential Scanning Calorimetry**  
Cecen V., Tavman I. H. , Kok M., AYDOĞDU Y.  
POLYMER COMPOSITES, vol.30, no.9, pp.1299-1311, 2009 (Journal Indexed in SCI)
- XXIV. **An attempt towards coordination supramolecularity from Mn(II), Ni(II) and Cd(II) with a new hexadentate [N<sub>4</sub>O<sub>2</sub>] symmetrical Schiff base ligand: Syntheses, crystal structures, electrical conductivity and optical properties**  
Sarkar S., Biswas S., Liao M., Kar T., AYDOĞDU Y., Dagdelen F., Mostafa G., Chattopadhyay A. P. , Yap G. P. A. , Xie R., et al.  
POLYHEDRON, vol.27, no.16, pp.3359-3370, 2008 (Journal Indexed in SCI)
- XXV. **Stokes shift and band gap bowing in In<sub>x</sub>Ga<sub>1-x</sub>N (0.060 ≤ x ≤ 0.105) grown by metalorganic vapour phase epitaxy**  
Yildiz A., Dagdelen F., ACAR S., LİŞESİVDİN S. B. , Kasap M., AYDOĞDU Y., Bosi M.  
ACTA PHYSICA POLONICA A, vol.113, no.2, pp.731-739, 2008 (Journal Indexed in SCI)
- XXVI. **X-ray diffraction studies, thermal, electrical and optical properties of oxovanadium(IV) complexes with quadridentate schiff bases**  
Sarkar S., AYDOĞDU Y., Dagdelen F., Bhaumik B., Dey K.  
MATERIALS CHEMISTRY AND PHYSICS, vol.88, pp.357-363, 2004 (Journal Indexed in SCI)
- XXVII. **Long-term ageing behaviour of martensite in shape memory Cu-Al-Ni alloys**  
Aydogdu A., Aydogdu Y., Adiguzel O.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.153, pp.164-169, 2004 (Journal Indexed in SCI)
- XXVIII. **Thermal and optical properties of benzofuran-2-yl 3-phenyl-3-methylcyclobutyl thiosemicarbazone**  
KOCA A., Dagdelen F., AYDOĞDU Y.  
MATERIALS LETTERS, vol.58, pp.2901-2905, 2004 (Journal Indexed in SCI)
- XXIX. **DC and AC conductivity and dielectric properties of the metal-radical compound: Aqua[bis(2-dimethylaminomethyl-4-NIT-phenolato)]copper(II)**  
Yakuphanoglu F., AYDOĞDU Y., Schatzschneider U., Rentschler E.  
SOLID STATE COMMUNICATIONS, vol.128, pp.63-67, 2003 (Journal Indexed in SCI)
- XXX. **Electrical conductivity and optical properties of copolymers based on 4-vinylpyridine and tetralincyclobutylhydroxyethylmethacrylate**  
Aydogdu Y., Erol I., Yakuphanoglu F., Aydogdu A., Ahmedzade M.  
SYNTHETIC METALS, vol.139, no.2, pp.327-334, 2003 (Journal Indexed in SCI)
- XXXI. **Solid state electrical conductivity properties of copper complexes of novel oxime compounds containing oxolane ring**

- Aydogdu Y., Yakuphanoglu F., Aydogdu A., Tas E., Cukurovali A.  
MATERIALS LETTERS, vol.57, pp.3755-3760, 2003 (Journal Indexed in SCI)
- XXXII. **Electrical conductivity, dielectric permittivity and thermal properties of the compound aqua[bis(2-dimethylaminomethyl-4-NIT-phenolato)] copper(II) including NaCl impurity**  
Yakuphanoglu F., AYDOĞDU Y., Schatzschneider U., Rentschler E.  
PHYSICA B-CONDENSED MATTER, vol.334, pp.443-450, 2003 (Journal Indexed in SCI)
- XXXIII. **Electrical and optical properties of semiconducting metal complexes**  
Yakuphanoglu F., Dagdelen F., Aydogdu Y., Aydogdu A., Sekerci M.  
MATERIALS LETTERS, vol.57, pp.3330-3340, 2003 (Journal Indexed in SCI)
- XXXIV. **The synthesis, characterization, and electrical conductivity of the potassium salt of 1,3-dipiperidin-1-ylpropan-2-O-xanthate**  
Yakuphanoglu F., Gorgulu A., Aydogdu Y., Aydogdu A., Arslan M.  
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.33, no.5, pp.911-923, 2003 (Journal Indexed in SCI)
- XXXV. **The electronic transport properties [Co-2(L)L '(dioxane)(2)(NO3)(2)](NO3)(2) of the complex**  
Yakuphanoglu F., AYDOĞDU Y., Gomleksiz M., Sekerci M., Agan S., Alkan C.  
MATERIALS LETTERS, vol.57, no.15, pp.2219-2224, 2003 (Journal Indexed in SCI)
- XXXVI. **Electrical charge transport and optical properties of a poly(methacrylate) with a new side chain and its Ni(II) complex**  
Yakuphanoglu F., Sarman S., AYDOĞDU Y., Ilter Z., Coskun M.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.87, no.5, pp.741-746, 2003 (Journal Indexed in SCI)
- XXXVII. **Effects of thermal treatments on transformation behaviour in shape memory Cu-Al-Ni alloys**  
Dagdelen F., Gokhan T., Aydogdu A., Aydogdu Y., Adiguzel O.  
MATERIALS LETTERS, vol.57, pp.1079-1085, 2003 (Journal Indexed in SCI)
- XXXVIII. **Electrical and optical properties of [poly[2-(3-1,2,3,4-tetrahydronaphthyl-3-methylcyclobutyl)-2-hydroxyethylmethacrylate]**  
Yakuphanoglu F., Erol I., AYDOĞDU Y., Ahmedzade M.  
MATERIALS LETTERS, vol.57, no.1, pp.229-236, 2002 (Journal Indexed in SCI)
- XXXIX. **X-ray diffraction study and electrical properties of the metal complex Fe(II) including sodium oxalate ligand (Na<sub>2</sub>C<sub>2</sub>O<sub>4</sub>)**  
AYDOĞDU Y., Yakuphanoglu F., Dagdelen F., Sekerci M., Aksoy I.  
MATERIALS LETTERS, vol.57, no.1, pp.237-241, 2002 (Journal Indexed in SCI)
- XL. **Synthesis, characterization, and electrical properties of metal complexes of 2-pyridinecarbaldehyde thiosemicarbazone**  
Yakuphanoglu F., Balaban A., Dagdelen F., AYDOĞDU Y., Sekerci M., Erk B.  
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.32, no.10, pp.1865-1878, 2002 (Journal Indexed in SCI)
- XLI. **Electrical and optical properties of newly synthesized glyoxime complexes**  
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Tas E., Cukurovali A.  
SOLID STATE SCIENCES, vol.4, no.6, pp.879-883, 2002 (Journal Indexed in SCI)
- XLII. **XRD, SEM studies and electrical properties of metal complexes, including sodium oxalate ligand (Na<sub>2</sub>C<sub>2</sub>O<sub>4</sub>)**  
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Sekerci M., Alkan C., Aksoy I.  
MATERIALS LETTERS, vol.54, pp.352-358, 2002 (Journal Indexed in SCI)
- XLIII. **Self-accommodating martensite plate variants in shape memory CuAlNi alloys**  
Aydogdu Y., Aydogdu A., Adiguzel O.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.123, no.3, pp.498-500, 2002 (Journal Indexed in SCI)
- XLIV. **Metal complexes of (LH<sub>2</sub>) ligand: 8,9-bis(hydroxyimino)-4,7,10,13-tetraaza-1,2,15,16-O-dicyclopentylidenehexadecane. Crystal structure, electrical and optical properties**  
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Saydam S., Sekerci M., Boydag F.  
SYNTHETIC METALS, vol.122, no.2, pp.329-335, 2001 (Journal Indexed in SCI)

- XLV. **Electrical and optical properties of inorganic complexes C<sub>36</sub>H<sub>76</sub>N<sub>2</sub>O<sub>9</sub>ClNa and C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>TeBr<sub>2</sub>**  
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Temel H., Sekerci M., Hosgoren H.  
SOLID STATE SCIENCES, vol.3, no.3, pp.377-382, 2001 (Journal Indexed in SCI)
- XLVI. **X-ray diffraction studies, electrical and optical properties of some metal complexes of the ligand including 1-amino-3-(N-benzylamino) propane**  
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Sekerci M., Balci Y., Aksoy I.  
SYNTHETIC METALS, vol.107, no.3, pp.191-196, 1999 (Journal Indexed in SCI)
- XLVII. **In-situ single chamber arc sputtering process for YCd<sub>0.3</sub>Ba<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  superconducting thin films**  
Yakinci M., Balci Y., Aksan M., AYDOĞDU Y., Ates H.  
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.117, pp.645-649, 1999 (Journal Indexed in SCI)
- XLVIII. **Improvement of hardness and microstructures by ageing in shape memory CuAlNi alloys**  
Aydogdu A., Aydogdu Y., Adiguzel O.  
JOURNAL DE PHYSIQUE IV, vol.7, pp.311-316, 1997 (Journal Indexed in SCI)
- XLIX. **The influence of ageing on martensite ordering and stabilization in shape memory Cu-Al-Ni alloys**  
Aydogdu A., Aydogdu Y., Adiguzel O.  
MATERIALS RESEARCH BULLETIN, vol.32, no.5, pp.507-513, 1997 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Akıllı Malzemeler üzerine derleme: arařtırmalar ve uygulamaları**  
Qader İ. N. , KÖK M., DAĞDELEN F., AYDOĞDU Y.  
El-Cezeri Journal of Science and Engineering, vol.6, no.3, pp.755-788, 2019 (Refereed Journals of Other Institutions)
- II. **Improving of the surface properties of NiTiCu shape memory alloy by oxidation**  
KÖK M., AYDOĞDU Y., DAĞDELEN F., ATEŞ G.  
Dicle University Institute of Natural and Applied Science Journal, vol.6, no.1, pp.1-5, 2017 (Other Refereed National Journals)
- III. **EVALUATING THE POLYMERIZATION PROPERTIES OF MOSTLY USED THREE DENTAL HARD CHAIRSIDE RELINE MATERIALS AND A SELF CURE ACRYLIC AN IN VITRO STUDY**  
AGULOGLU S., GUVEN S., DEMIRCI F., AYDOĞDU Y., ERATILLA V., YILDIZ I.  
ATATÜRK ÜNİVERSİTESİ DIŞ HEKİMLİĞİ DERGİSİ, vol.25, no.1, 2015 (Other Refereed National Journals)
- IV. **Measurement of heat capacity and thermal conductivity of HDPE expanded graphite nanocomposites by differential scanning calorimetry**  
TAVMAN İ. H. , AYDOĞDU Y., KÖK M., TURGUT A., EZAN A.  
Archives of Materials Science and Engineering, vol.50, no.1, pp.56-60, 2011 (Refereed Journals of Other Institutions)
- V. **Thermophysical properties of blend of poly vinyl chloride with poly isobornyl acrylate**  
KÖK M., DEMİRELLİ K., AYDOĞDU Y.  
Int. J. Sci. Technol, vol.3, no.1, pp.37-42, 2008 (Other Refereed National Journals)
- VI. **Synthesis Molecular Structure Optical Properties and Electrical Conductivity of Zwitterionic Ferrocenyldithiophosphonates**  
KARAKUŞ M., AYDOĞDU Y., ÇELİK Ö., KUZUCU V., İDE S., HEY HAWKINS E.  
Zeitschrift Fur Anorganische Und Allgemeine Chemie, vol.633, no.3, pp.405-410, 2007 (Refereed Journals of Other Institutions)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Tokamak Reaktörlerinde Plazma Duvar Etkileşmesi**  
GÖKTAŞ F., AYDOĞDU Y., Pahsa A.

4th International Conference on Material Science and Technology, Ankara/Kızılçhamam, Turkey, 18 - 20 October 2019, pp.5-7

- II. **Mechanical and thermal influence of changing Hf additive on CuAlNiHf shape memory alloy**  
KÖK M., Qader İ. N. , Muhammed S. S. , Özen E., DAĞDELEN F., AYDOĞDU Y.  
PCFM 2019, 25 - 27 June 2019
- III. **smart materials and their influence on Modern technology advancement**  
Qader İ. N. , KÖK M., DAĞDELEN F., AYDOĞDU Y.  
PCFM 2019, 25 - 27 June 2019
- IV. **Investigation of the effect of Cr on the thermodynamics parameters and microstructure of NiMnSn magnetic shape memory alloys**  
Özen E., KÖK M., DAĞDELEN F., AYDOĞDU Y., ÇIRAK Z. D.  
PCFM 2019, 25 - 27 June 2019
- V. **Processing of textile composite materials by using shape memory alloys**  
TOPEL ZEREN E., AKŞİT A., ÖZYÜZER L., AYDOĞDU Y., ERDOĞAN Ü. H. , KUTLU B.  
AUTEX19th World Textile Conference - Textiles at the Crossroads, Ghent, Belgium, 11 - 15 June 2019, vol.19, pp.1-6
- VI. **Cooling Condition Effects on Thermal and Crystal Structure of NiTiSn Shape Memory Alloy**  
ÇIRAK Z. D. , KÖK M., AYDOĞDU Y., AYDOĞDU A.  
PCFM'18- 1ST INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY AND FUNCTIONAL MATERIALS, 19 - 21 June 2018
- VII. **The effects of the fourth element on the thermal property and microstructure of the CuAlNi alloy**  
ÇIRAK Z. D. , KÖK M., AYDOĞDU Y., AYDOĞDU A.  
PCFM'18- 1ST INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY AND FUNCTIONAL MATERIALS, 19 - 21 June 2018
- VIII. **the effect of the composition on the transformation temperature and crystal structure of NiTiCo shape memory alloy**  
Zardawi H., Qader İ. N. , KÖK M., AYDOĞDU Y.  
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