

CURRICULUM VITAE

Name and Surname : Prof.Dr.Ayşe AYDOĞDU

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RESEARCH AREAS

- 1- Physical properties of Shape Memory Alloys

EDUCATIONAL BACKGROUND

PhD Degree	1995	Firat University, Graduate School of Natural and Applied Sciences, Elazığ-Turkey
MSc Degree	1990	Firat University, Graduate School of Natural and Applied Sciences Elazığ-Turkey
BSc Degree	1985	Firat University, Faculty of Arts and Sciences, Department of Physics, Elazığ-Turkey

WORK EXPERIENCE

2012-	Prof. in the Department of Physics, Faculty of Sciences, Gazi University / Ankara-Turkey
2011-2012	Prof. inAtatürk Vocational Collage, Gazi University, Ankara-Turkey
2007-2011	Prof. in the Department of Physics, Faculty of Arts and Sciences, Firat University / Elazığ-Turkey
2001-2006	Assoc.Prof. in the Department of Physics, Faculty of Arts and Sciences, Firat University / Elazığ-Turkey
1996-2001	Assist.Prof. in the Department of Physics, Faculty of Arts and Sciences, Firat University / Elazığ-Turkey
1986-1996	Assistant in the Department of Physics, Faculty of Arts and Sciences, Firat University / Elazığ-Turkey

THESIS

PhD Thesis

Ayşe Aydoğdu, “**Thermal Aging Effects on Martensitic Transformation in Shape Memory CuAlNi Alloys**” Firat University, Graduate School of Natural and Applied Sciences, 1995, Elazığ-Turkey.

MSc Thesis

Ayle Aydoğdu, “**Crystallography of Thermoelastic Martensite Transformations in Noble Metal Alloys**”, Firat University, Graduate School of Natural and Applied Sciences, 1990, Elazığ-Turkey.

PUBLICATIONS

Research Articles in SCI

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17-	Canan Aksu Canbay, <u>Ayşe Aydoğdu</u> , Yıldırım Aydogdu, The Investigation of Thermal and Magnetic Properties and Microstructure Analysis of Cu-Al-Mn Shape Memory Alloys, Journal of Superconductivity and Novel Magnetism, 24-1,2, 871-877, 2011.
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15-	<u>A. Aydogdu</u> , Y. Aydogdu, O. Adiguzel, Long Term Ageing Behaviour of Martensite in Shape Memory Cu-Al-Ni Alloys, Journal of Materials Processing Technology, 153/154, 164-169, 2004.
14-	Y. Aydogdu, I. Erol, F. Yakuphanoglu, <u>A. Aydogdu</u> , M. Ahmedzade, Electrical conductivity and optical properties of copolymers based on 4-vinylpyridine and tetralincyclobutylhydroxyethylmethacrylate, Synthetic Metals, 139, 327-334, 2003.
13-	Y. Aydogdu, F. Yakuphanoglu, <u>A. Aydogdu</u> , E. Tas and A. Cukurovalı, Solid state electrical conductivity properties of copper complexes of novel oxime compounds containing oxolane ring, Materials Letters, 57/24-25, 3755-3760 , 2003.
12-	F. Yakuphanoglu, F. Dagdelen, Y. Aydogdu, <u>A. Aydogdu</u> , M. Sekerci ,Electrical and Optical Properties of Semiconducting Metal Complexes, Materials Letters , 57 , 3330-3340 , 2003
11-	F. Yakuphanoglu, A. Orhan Gorgulu, Y. Aydogdu, <u>A. Aydogdu</u> , M.Arslan, The Synthesis, Characterization and Electrical Conductivity of The Potassium Salt of 1,3-Dipiperidin-1-Ylpropan- 2-O-Xanthate, Synthesis and Reactivity in Inorganic and Metal-organic Chemistry , 33,5 , 911 - 923 , 2003.
10-	F. Dagdelen, T.Gokhan, <u>A. Aydogdu</u> , Y. Aydogdu, and O. Adigüzel, Effects of Thermal Treatments on Transformation Behavior in Shape Memory Cu-Al-Ni Alloys, Materials Letters , 57/5-6 , 1079-1085 , 2003
9-	Y. Aydogdu, F. Yakuphanoglu, <u>A. Aydogdu</u> , M. Sekerci, C. Alkan and I. Aksoy, XRD, SEM Studies and Electrical Properties of Metal Complexes Including Sodium Oxalate Ligand (Na ₂ C ₂ O ₄), Materials Letters , 54/5-6 , 352-358. , 2002.
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7-	Aydogdu, Y., <u>Aydogdu, A.</u> and Adiguzel, O., Self-Accommodating Martensite Plate Variants in Shape Memory CuAlNi Alloys, J. of Materials Processing Technology, 123, 498-500 , 2002
6-	Aydogdu, Y., Yakuphanoglu, F., <u>Aydogdu, A.</u> , Saydam, S., Sekerci, M., Boydag, F.S., Metal Complexes of (LH ₂) Ligand: 8,9-Bis(hydroxyimino)-4,7,10,13-tetraaza-1,2,15,16-O-

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5-	Aydogdu, Y., Yakuphanoglu, F., Aydogdu, A. , Temel, H., Sekerci, M., ve Hosgoren, H., Electrical and Optical Properties of Inorganic Complexes ($C_{36}H_{76}N_2O_9ClNa$) and ($C_{14}H_{12}N_2O_4TeBr_2$), <i>Solid State Sciences</i> , 3, 377-382, 2001
4-	Aydogdu, Y., Yakuphanoglu, F., Aydogdu, A. , Sekerci, M., Balci, Y., Aksoy, I. ., “X-Ray Diffraction Studies, Electrical and Optical Properties of Some Metal Complexes of the Ligand Including 1-Amino-3-(N-benzylamino) Propane”, <i>Synthetic Metals</i> , 107, 191-196.(1999)
3-	Aydogdu, Y; Aydogdu, A ; Atici, Y; Adiguzel, O., Variant morphology at martensite formation in shape memory CuAlNi alloys, Conference Information: 14th International Congress on Electron Microscopy, Date: AUG 31-SEP 04, 1998 CANCUN MEXICO Source: <i>ELECTRON MICROSCOPY 1998</i> , VOL 2 Pages: 97-98.
2-	Aydogdu, A. , Aydogdu, Y., and Adigüzel, O, “Improvement of Hardness and Microstructures by Ageing in Shape Memory CuAlNi Alloys”, <i>Journal De Physique IV</i> , C5-311. (1997).
1-	Aydogdu, A. , Aydogdu, Y., ve Adigüzel, O, “The Influence of Ageing on Martensite Ordering and Stabilization in Shape Memory Cu-Al-Ni Alloys” , <i>Materials Research Bulletin</i> , 32, 5, 507-513 (1997).

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	C. Aksu Canbay, A. Aydoğdu, M.E. Yakinci, Fabrication and Characterization of Cu-Sn-Be and Cu-Sn-Ga Alloys, <i>Balkan Physics Letters</i> , 305-317, 2012.
7-	Fethi DAGDELEN and Ayşe Aydogdu , Optical and Electrical Properties of Cadmium and Cobalt Oxalate Complexes Investigation, <i>Turkish J. of Science Technology</i> , Volume 5, 1, 1-8, 2010.
6-	Canan AKSU CANBAY and Ayşe Aydogdu , Microstructure, Electrical and Optical Characterization of ZnO-NiO-SiO ₂ Nanocomposite Synthesized by Sol-Gel Technique, <i>Turkish Journal of Science & Technology</i> , Volume 4, No 2, 121- 126, 2009.
5-	S. Nevin BALO, Neslihan SEL and Ayşe Aydogdu , The Effect of Ageing on the Martensitic Phase Transformation CuAlBe Shape Memory Alloy, <i>Turkish Journal of Science & Technology</i> Volume 4, No 2, 103- 109, 2009.
4-	Canan AKSU CANBAY and Ayşe Aydogdu , Yıldırım AYDOĞDU, Microstructure, Thermal and Electrical Characterization of Zn ₀ -(50-x)-xNiO, <i>Journal of Science and Technology</i> , 1, 1, 35-42, 2007.
3-	F. DAĞDELEN, A. Aydogdu , Ni/n-Tipi Yarıiletken Kompleks/Ag Schottky Diyotların Elektronik Özelliklerinin belirlenmesi, <i>Fırat Üniversitesi, Fen ve Mühendislik Bilimleri Dergisi</i> . 18, 3, 291-295, 2006.
2-	A. Aydogdu , D. Özmen, F. Yakuphanoglu, Z. İlter, Y. Aydogdu, DDMA-MMA ve DDMA-GMA Kopolimerlerinin Sentezlenmesi ve Elektriksel İletkenliklerinin Frekansa ve Sıcaklığa Bağlı İncelenmesi, <i>F.Ü., Fen ve Mühendislik Bilimleri Dergisi</i> , 12(1), 147-154. 2000.
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43-	C. Aksu Canbay, <u>A. Aydogdu</u> , Y. Aydogdu, M.E. Yakıncı, , Microstructure and Thermal Properties of Cu-22%wtAl-3%wt. Ag Shape memory Alloy Produced by Powder Metallurgy, Turkish Physical Society, 25th International Physical Congress, 25-29 August 2008, Bodrum-TURKEY, p.432.
42-	C. Aksu Canbay, <u>A. Aydogdu</u> , Y. Aydogdu, Preparation and Characterization of SiO ₂ -NiO and SiO ₂ -Fe ₂ O ₃ Composites by Sol-Gel Method, Turkish Physical Society, 25th International Physical Congress, 25-29 August 2008, Bodrum-TURKEY, p.433.
41-	Y. Aydogdu, C. Aksu Canbay, <u>A. Aydogdu</u> , M.E. Yakıncı, Influence of The Homogeneous Time on The Microstructure and Thermal Properties of Cu-17%wt.Al-3wt.Co Shape memory Alloy. 25th International Physical Congress, 25-29 August 2008, Bodrum-TURKEY, p.436.
40-	Canan Aksu Canbay, <u>Ayşe Aydogdu</u> , Yıldırım Aydogdu, Microstructure, Electrical and Optical Characterization Al ₂ O ₃ -TiO ₂ and Al ₂ O ₃ -SiO ₂ Composites Synthesized by SOL-GEL Technique, 24. Uluslararası Fizik Kongresi, 28-31 Ağustos 2007, Malatya
39-	C. Aksu Canbay, <u>A. Aydogdu</u> , Microstructure, Electrical and Optical Characterization of ZnO-NiO-SiO ₂ Composite Synthesized by Sol-Gel Technique. 6 th International Conference of The Balkan Physical Union, 22-26 August 2006, İstanbul.
38-	C. A. Canbay, S. Altin, <u>A. Aydogdu</u> , Y. Aydogdu, and E. Yakinci, Electrical and Optical Properties of ZnO-Fe ₂ O ₃ -SiO ₂ Composite Prepared by Sol-Gel Method. The 6th General International Conference of the Balkan Physical Union (BPU-6) 22-26 August 2006, İstanbul, Turkey.
37-	M. Sakallıoğlu, C. Aksu Canbay, <u>A. Aydogdu</u> , Y. Aydogdu, Thermal Behavior of La ₂ O ₃ /NiO Composite Prepared by SOL-GEL Method, Turkish Physics Society 23rd International Physics Congress, 13-16 September 2005 Mugla University/TURKEY.
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35-	M. Sakallıoğlu, <u>A. Aydoğdu</u> , Y. Aydoğdu, O. Adıgüzel, Zor Altında Yaşlandırılan Şekil Hatırlamalı Cu-11Al-3.38Ni , Cu-11Al-3.82Ni Alaşımlarının Dönüşüm Sıcaklıklarının

	İncelenmesi, Türk Fizik Derneği 22. Fizik Kongresi, 14-17 Eylül 2004, Bodrum, Türkiye.
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32-	C. Aksu, <u>A. Aydoğdu</u> , Y. Aydoğdu, ZnO-(50-x)CuO-xNiO Kompozitlerinin Termal ve Elektriksel Özelliklerinin İncelenmesi , Türk Fizik Derneği 22. Fizik Kongresi, 14-17 Eylül 2004, Bodrum, Türkiye.
31-	F. Yakuphanoglu, M. Gomleksiz, Y. Aydogdu, <u>A. Aydogdu</u> , M. Şekerci, C. Alkan, 6,7-O-Sikloheksiliden-1-Amino-4-Azaheptan Bileşiğini içeren Cu(II) Metal Komplekslerinin Elektriksel ve Optiksel Özellikleri, XV. Ulusal Kimya Kongresi, 4-7 Eylül 2001, İstanbul.
30-	F. Yakuphanoglu, Y. Aydogdu, <u>A. Aydogdu</u> , M. Sekerci, M. Eken, XRD, SEM, ESR and Electrical Charge Transport measurements Studies in Cu(II) Complexes including ligands 1,2-O-cyclohexylidene-4-aza-8-aminoheptane and 1,2-O-cyclohexylidene-4-aza-7-aminoheptane, First hellenic-Turkish International Physics Conference Bodrum-Turkey-Kos-Greece, 2001
29-	<u>A. Aydogdu</u> , F. Dagdelen, F. Yakuphanoglu, Y. Aydogdu, O. Adıgüzel, Electrical Resistance and Thermal Conductivity Properties of Shape memory CuAlNi Alloys, First hellenic-Turkish International Physics Conference Bodrum-Turkey-Kos-Greece, 2001
28-	Y. Aydogdu, F. Yakuphanoglu, <u>A. Aydogdu</u> , M. Çoşkun, G. Topal, I. Ercan, N-fenilantranilik Asit ve Bis(N-fenil-o-Karboksianilino) Telleryum (IV) Bromürün Elektron Spin Rezonans ve Yük Geçiş Ölçümleri, XV. Ulusal Kimya Kongresi, 4-7 Eylül 2001, İstanbul.
27-	F. Yakuphanoglu, M. Sekerci, <u>A. Aydogdu</u> , Y. Aydogdu, C. Alkan, Ni(II) metal Komplekslerinin Elektriksel Direnç ve Optiksel Özellikleri, XV. Ulusal Kimya Kongresi, 4-7 Eylül 2001, İstanbul.
26-	<u>A. Aydogdu</u> , F. Dagdelen, O. Adıguzel, Cu%11Al-%3.82Ni ve Cu%11Al-3.38%Ni Alaşımlarının Elektriksel İletkenliklerine Isıl İşlem Etkileri, Türk Fizik Dernegi 19. Fizik Kongresi, 26-29 Eylül 2000, Elazığ, 245.
25-	O. Yılmaz, F. Yakuphanoglu, <u>A. Aydogdu</u> , Microstructure, Electrical and Thermal Conductivity Studies in 304-Stainless Steel-Copper Bimetal, Türk Fizik Dernegi 19. Fizik Kongresi, 26-29 Eylül 2000, Elazığ, 186.
24-	F. Yakuphanoglu, I. Erol, <u>A. Aydogdu</u> , Z. Ilter, Y. Aydogdu, M. Ahmedzade, Electrical Conductivity Properties of TCHEMA and Poly(4-Vinylpyridine) (TCHEMA-P4VP) Copolymers, Türk Fizik Dernegi 19. Fizik Kongresi, 26-29 Eylül 2000 Elazığ, 234.
23-	F. Yakuphanoglu, M. Gomleksiz, <u>A. Aydogdu</u> , Y. Aydogdu, C. Alkan, Electrical Conductivity Properties of Metal Complexes (LH) Including Ligand 6,7-O-Cyclohexylidene-1-Amino-4-Aza Heptane, Türk Fizik Dernegi 19. Fizik Kongresi, 26-29 Eylül 2000, Elazığ, 232.
22-	I. Erol , F. Yakuphanoglu, <u>A. Aydogdu</u> , Z. Ilter, Y. Aydogdu, M. Ahmedzade ,

	Semiconducting Properties Polymer of Poly[2-(3-1,2,3,4 Tetrahydronaphtyl-3-Methylcyclobutyl)- 2-Hydroxyethylmethacrylate] (PTCHEMA), Türk Fizik Derneği 19. Fizik Kongresi, 26-29 Eylül 2000 Elazığ, 231.
21-	A. Aydogdu , F. Yakuphanoglu, Y. Aydogdu, M. Sekerci, C. Alkan , I. Aksoy , The Crystal Structure, Microstructure and Electrical Properties of The Metal Complex Fe(II) Including Sodium Oxalate Ligand (Na ₂ C ₂ O ₄), Türk Fizik Derneği 19. Fizik Kongresi, 26-29 Eylül 2000, Elazığ, 184.
20-	M. Coskun, Z. Ilter, S. Sarman , A. Aydogdu , Y. Aydogdu, F. Yakuphanoglu , Effect of Ageing On Electrical Conductivity of a New Synthesized Semiconducting Polymer-Ni(II) Complex, XIV Ulusal Kimya Kongresi, 10-15 Eylül 2000, Diyarbakır.
19-	Y. Aydogdu, F. Yakuphanoglu, A. Aydogdu , Z. Ilter, S. Sarman , M. Coskun, Electrical Conductivity of Thermally Degraded Polymer Poly[2(2Hidroksibenziliden Hidrazino-4-metil metakrilat)], XIV Ulusal Kimya Kongresi, 10-15 Eylül 2000, Diyarbakır.
18-	Y. Aydogdu, F. Yakuphanoglu, A. Aydogdu , E. Tas, A. Cukurovali, Electrical and Optical Properties of New Synthesized Inorganic Semiconductors, TFD II. Ulusal Yoğun Madde Fizigi Kongresi, 22-24 Haziran 2000, Erzurum
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16-	Y. Aydoğdu, O. Yılmaz, F. Yakuphanoglu, A. Aydoğdu , Electrical Properties of Cu/Cr ₂₃ C ₆ Composite, TFD-18. Türk Fizik Derneği 18. Fizik Kongresi, 25-28 Ekim 1999, Adana
15-	Y. Aydoğdu, F. Yakuphanoglu, A. Aydoğdu , M. Sekerci, C. Alkan, Electrical and Optical Properties of UO ₂ (IV) Complexes, TFD-18. Türk Fizik Derneği 18. Fizik Kongresi, 25-28 Ekim 1999, Adana
14-	Y. Aydoğdu, F. Yakuphanoglu, A. Aydoğdu , Y. Atıcı, O. Adıgüzel, Injection Currents in GaAs/Si(001) Thin Films, TFD-18. Türk Fizik Derneği 18. Fizik Kongresi, 25-28 Ekim 1999, Adana
13-	Y. Aydoğdu, A. Aydoğdu , ve O. Adıgüzel., Crystallography of Martensitic Transformation in Copper Based Shape Memory Alloys, Elektron Mikroskopi, 1999, 14. Ulusal Elektron Mikroskopi Kongresi, 1999 Bursa
12-	Aydoğdu, Y., Aydoğdu, A. ve Adıgüzel, O., Bakır Bazlı Alaşımlarda Şekil Hatırlama Mekanizması, Bilim Günleri, 5-7 Mayıs 1999, TMMOB, Makine Mühendisleri Odası, Denizli
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10-	Aydoğdu, A. , Aydoğdu, Y. and Adıgüzel, O., The Influence of Heat Treatment on Shape Memory Effect in CuZnAl and CuAlNi Alloys, 3rd International Conference on Quenching and Control of Distortion, 24-26 March 1999, Prague, Çek Cumhuriyeti.
9-	Aydoğdu, Y., Sekerci, M., Yakuphanoglu, F., Aydoğdu, A. ve Alkan, C., 1-Amino-3(N-Benzilamino) Propan Ligandı içeren Komplekslerin Elektriksel ve Optiksel Özelliklerinin İncelenmesi, TFD-17. Türk Fizik Derneği 17. Fizik Kongresi, 27-31 Ekim 1998, Alanya .
8-	Y. Aydogdu, M. Sekerci, F. Yakuphanoglu, A. Aydogdu , C. Alkan, Bazı Amin-Metal

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