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Doktora :

2009 Kahramanmaraş Sütçüimam Üniversitesi, Fen Bilimleri Enst., Fizik Böl. Kahramanmaraş/TÜRKİYE.

Tez: Fe-Mn-Si-ESASLI ALAŞIMLARININ DÖNÜŞÜM SICAKLIKLARI VE DÖNÜŞÜM HİSTERİSİZİ'NİN DENEYSVE ANN METODU İLE İNCELENMESİ.

Danışman: Prof. Dr. Ali DOĞAN

Yüksek Lisans:

1994 Erciyes Üniversitesi, Fen Bilimleri Enst., Fizik Böl.Kayseri/ TÜRKİYE

Tez: Dipol ve Quadrupol Momentlerinden Dolayı Meydana Gelen Manyetik Alanlar Varlığında Spin-1 Ising Sisteminin İncelenmesi.

Danışman: Prof. Dr. Mustafa KESKİN

Lisans :

Dicle Üniversitesi, Eğitim Fakültesi, Fizik Eğitimi Bölümü, Diyarbakır/TÜRKİYE

B.Sc. 1984 Radarlar ve Çalışma Prensipleri.

Danışman: Prof. Dr. Nail ÖZEK

Uluslararası SCI- SSCI ve HCI da taranan Makaleler:

1. M.Keskin, H.Arslan, "Stable, Metastable and Unstable Solutions of a Spin-1 Ising System in the Presence of Magnetic Fields Due to the Dipole and Quadrupole Moments", *Journal of Magnetism and Magnetic Materials* 146 (1995) L247-L250.
2. A. Dogan, H. Arslan, "Effect of ball-milling conditions on microstructure during production of Fe-20Mn-6Si-9Cr shape memory alloy powders by mechanical alloying" *J Therm Anal Calorim.*, 109 (2012) 933-938. DOI: [10.1007/s10973-011-1809-x](https://doi.org/10.1007/s10973-011-1809-x)
3. H. Arslan, A. Dogan, ve T. Dogan, "An Analytical Approach for Thermodynamic Properties of the Six Components Systems Ni-Cr-Co-Al-Mo-Ti and Their Subsystems" *The Physics of Metals and Metallography*, 2013, Vol. 114, No. 12, pp. 1053-1060. DOI: [10.1134/S0031918X13220018](https://doi.org/10.1134/S0031918X13220018)
4. H. Arslan "Analytical determination of partial and integral properties of the six components systemsNi-Cr-Co-Al-Mo-Ti and their subsystems" *Physica B*, 2014, Vol.438, pp.48-52. <http://dx.doi.org/10.1016/j.physb.2013.12.046>
5. H. Arslan, A. Dogan ve T. Dogan, "Estimation of Excess energies and Activity Coefficients for the Penternary Ni-Cr-Co-Al-Mo System and its subsystems" *The Physics of Metals and Metallography*, 2015, Vol. 116, No.6, pp.544-551. DOI: [10.1134/S0031918X14060052](https://doi.org/10.1134/S0031918X14060052).
6. Hüseyin Arslan "Determinations of enthalpy and partial molar enthalpy in the alloys Bi-Cd-Ga-In-Zn, Bi-Cd-Ga-Zn and Au-Cu-Sn" *Materials Chemistry and Physics*, 2015, Vol. 153, pp.384-389. DOI: [10.1016/j.matchemphys.2015.01.029](https://doi.org/10.1016/j.matchemphys.2015.01.029)

7. H. Arslan, A. Dogan, "An Analytical Investigation for Thermodynamic Properties of the Fe-Cr-Ni-Mg-O System" Russian Journal of Physical Chemistry A, 2015, Vol. 89, No. 2, pp. 180-189. DOI: [10.1134/S0036024415020028](https://doi.org/10.1134/S0036024415020028).
8. ALİ DOĞAN and HÜSEYİN ARSLAN, "Comparative Thermodynamic Prediction of Integral Properties of Six Component, Quaternary, and Ternary Systems" METALLURGICAL AND MATERIALS TRANSACTIONS A, 2015, Vol. 46A, pp. 3753-3760. DOI: [10.1007/s11661-015-2888-2](https://doi.org/10.1007/s11661-015-2888-2).
9. Ali Dogan and Hüseyin Arslan, "Geometric modelling of viscosity 1 of copper-containing liquid alloys" Philosophical Magazine, 2016, Vol. 95, No.5, pp.459-472. DOI: <http://dx.doi.org/10.1080/14786435.2015.1133938>.
10. A. Dogan and H. Arslan, "Composition Dependences of Thermodynamical Properties Associated with Pb_Free Ternary, Quaternary, and Quinary Solder Systems" The Physics of Metals and Metallography, 2016, Vol. 117, No.5, pp.472-486. DOI: [10.1134/S0031918X16050045](https://doi.org/10.1134/S0031918X16050045).
11. Hüseyin Arslan, Ali Dogan, "Viscosity calculations of different Au-Ag-Cu, Al-Cu-Si and Al-Cu-Mg-Si alloys" Russian Journal of Physical Chemistry A, 2016, Vol. 90, No. 12, pp. 2339-2345. DOI: [10.1134/S0036024416120141](https://doi.org/10.1134/S0036024416120141).
12. Ali Dogan and Hüseyin Arslan, "An investigation on surface tensions of Pb-free solder materials" Philosophical Magazine, 2016, Vol. 96, No.27, pp. 2887-2901. DOI: <http://dx.doi.org/10.1080/14786435.2016.1217361>.
13. Ali Dogan and Hüseyin Arslan, "Surface tension estimation of high temperature melts of the binary alloys Ag-Au" Philosophical Magazine, 2017, Vol. 97, No.31, pp.2871-2887. DOI: <https://doi.org/10.1080/14786435.2017.1356483>.
14. Ali Dogan and Hüseyin Arslan, "Thermophysical properties of Cu-In-Sn liquid Pbfree alloys: viscosity and surface tension" Philosophical Magazine, 2018, Vol. 98, No.1, pp.37-53. DOI:<https://doi.org/10.1080/14786435.2017.1392053>.
15. Ali Dogan and Hüseyin Arslan, "Calculation of the surface tension of liquid Ga-based alloys" Philosophical Magazine, 2018, Vol. 98, No.13, pp.1170-1185. DOI:<https://doi.org/10.1080/14786435.2018.1431697>.
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17. Ali Dogan and Hüseyin Arslan, "Therotical calculation of surface tension and its temperature coefficient associated with liquid Cu-Ti alloys." Philosophical Magazine, 2018, Vol. 98, No.27, pp.2529-2542. DOI:[10.1080/14786435.2018.1492751](https://doi.org/10.1080/14786435.2018.1492751).
18. Ali Dogan and Hüseyin Arslan, "ASSESSMENT OF THERMODYNAMIC PROPERTIES OF LEAD-FREE SOLDERING ALLOYS Co-Sb-Sn, Ag-In-Pd-Sn AND Ni-Cr-Co-Al-Mo-Ti-Cu ALLOYS" will be published in the issue № 10 volume 119 of 2018. pp. 1032-1049" The Physics of Metals and Metallography, DOI: [10.1134/S0031918X18100046](https://doi.org/10.1134/S0031918X18100046).

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1. M.Keskin, H.Arslan, "A Spin-1 Ising Model in the Presence of the Magnetic Fields Due to the Dipole and Quadrupole Moments" Tr. J. of Phys. 19 (1995) 408-415.
2. M.Keskin, H.Arslan," Stable, Metastable and Unstable Solutions of a Spin-1 Ising System in the Presence of Magnetic Fields Due to the Dipole and Quadrupole Moments" Tr. J. of Phys. 20 (1996) 88-89.
3. A. Dogan, Y. Havvatoglu ve H. Arslan, "Rigorous version of infinitesimal deformation approach to the crystallography of fcc → bcc martensitic phase transformation observed in Fe- 31 wt % Ni and zirconia alloys" International Journal of Physical Sciences 7(20) (2012) 2806 -2811. DOI: 10.5897/IJPS12.101
4. Hüseyin Arslan "Structural Evolution Properties of Cu-25 wt %Sn Alloy During Ball Milling" Journal of Advanced Thermal Science Research, 2014, Vol.1,pp. 25-31. DOI: <http://dx.doi.org/10.15377/2409-5826.2014.01.01.4>.

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2. S.M.Keskin, H.Arslan, "Stable, Metastable and Unstable Solutions of a Spin-1 Ising System in the Presence of the Magnetic Fields Due to the Dipole and Quadrupole Moments." İstanbul 2. Statistical Physics Days. Congree (1995).
3. Veli Kasumov, Sadik Sertkaya, Muzaffer Çakar, Adnan Küçükönder, Hüseyin Arslan "The ESR Investigation of Paramagnetic Intermediates of CO(II) Complex in Ziegler TypeCatalytic Systems." İstanbul 35. IUPAC Congree (1995).
4. Hüseyin Arslan, Ali Dogan and Sümeyye Cesur, "Metal Bazlı Kompozit Malzemelerin Üretim Süreci ve Fiziksel Özelliklerinin İncelenmesi" ADIM FİZİK GÜNLERİ V, 21 - 23 NİSAN 2016, ESKİŞEHİR / TÜRKİYE.
5. Ali Dogan, Hüseyin Arslan and Fırat Dogan, "Çok Bileşenli Alaşım Sistemlerinde Gibbs Serbest Enerjisinin Yüksek Sıcaklıklarda Termodinamik Olarak İncelenmesi" ADIM FİZİK GÜNLERİ V, 21 - 23 NİSAN 2016, ESKİŞEHİR / TÜRKİYE.
6. Ali Dogan, Hüseyin Arslan, "Estimation of Thermodynamic Properties of Mo-based Thernary Alloys" Turkish Physical Society 33rd International Physics Congress. 06-10 Eylül 2017 Bodrum / TÜRKİYE.
7. Ali Dogan, Hüseyin Arslan, "A Brief Review of Surface Tension and Surface Tension Assesment of Ag-Au-CuTernary and Sub binary Alloy Systems" Turkish Physical Society 33rd International Physics Congress. 06-10 Eylül 2017 Bodrum / TÜRKİYE.
8. Hüseyin Arslan, Ali Dogan ve Musab Asil Yavuz, "Sıvı Ag-Cu Alaşımlarının Yüzey Geriliminin Tahmin Edilmesi." 2. Uluslararası Multidisipliner Çalışmaları Kongresi 04-05 Mayıs 2018 Adana / TÜRKİYE.
9. Hüseyin Arslan, Ali Dogan ve Musab Asil Yavuz, "Sıvı Ag-Cu Alaşımlarının Vizkozitesinin Tahmin Edilmesi." 2. Uluslararası Multidisipliner Çalışmaları Kongresi 04-05 Mayıs 2018 Adana / TÜRKİYE.
10. Ali Dogan, Hüseyin Arslan, ve Hacı Bayram İşlek "Ag-Au-Cu Sıvı Alaşımının Vizkozitesinin Geometrik ve Fiziksel Modellelle İncelenmesi." 2. Uluslararası Multidisipliner Çalışmaları Kongresi 04-05 Mayıs 2018 Adana / TÜRKİYE.
11. Ali Dogan, Hüseyin Arslan, ve Hacı Bayram İşlek "Al-Cu-Si Sıvı Alaşımının Vizkozitesinin Geometrik ve Fiziksel Modellelle İncelenmesi." 2. Uluslararası Multidisipliner Çalışmaları Kongresi 04-05 Mayıs 2018 Adana / TÜRKİYE.
12. Ali Dogan, Hüseyin Arslan, "ÇOKLU DOĞRUSAL REGRASYON METODUYLA Ni-Mn-Ga ESASLI ŞEKİL HAFIZALI ALAŞIMLARIN DÖNÜŞÜM SICAKLIKLARININ VE SICAKLIK HİSTEREZİSLERİNİN BELİRLENMESİ" UMTEB-3 3rd International Congress on Vocational and Technical Sciences. 21-22 June 2018 Gaziantep/ TÜRKİYE.
13. Ali Dogan, Hüseyin Arslan, "FE-MN-Sİ-BAZLI ŞEKİL HAFIZALI ALAŞIMLARIN MARTENSİTİK DÖNÜŞÜM SICAKLIKLARI VE SICAKLIK HİSTEREZİSLERİNİN, ÇOKLU LINEER REGRESYON VE YAPAY SINIR AĞLARI MODELLERİYLE HESAPLANMASI" UMTEB-3 3rd International Congress on Vocational and Technical Sciences. 21-22 June 2018 Gaziantep/ TÜRKİYE.

Yüksek Lisans Tez Danışmanlığı:

- 1- Sümeyye CESUR, THE MANUFACTURING OF METAL-LİGNOSELÜLOZİK -BASED COMPOSITE MATERIALS. It is offered to K.S.Ü. Science Enstitute as a Ms. Thesis on 17.06.2016.

Doktora Tez Danışmanlığı:

- 1- Musab Asil YAVUZ, Prediction of surface tension and Viscosity of Ag-Cu liquid alloys. It is continuing on K.S.Ü. Science Enstitute as a Dr. Thesis. **To be continuing.**