

## Prof. EMRE GÜLER

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABC-9222-2020

ScopusID: 55214669400

Yoksis Researcher ID: 108493

### Education Information

Doctorate, Kirikkale University, Institute Of Science, Fizik, Turkey 2002 - 2005

Postgraduate, Kirikkale University, Institute Of Science, Fizik (YI) (Tezli), Turkey 1999 - 2002

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1994 - 1998

### Dissertations

Doctorate, Fe-29Ni-2Mn Alaşımında Farklı Etkilerle Oluşan Martensitenin Bazı Fiziksel Özellikleri, Kirikkale University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2005

Postgraduate, Fe-30 Ni-0.2 Mn alaşımında soğutma etkisiyle elde edilen martensitik dönüşümlerin mössbauer spektroskopisi ve taramalı elektron mikroskobu (S.E.M) ile incelenmesi, Kirikkale University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2002

### Research Areas

Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Professor, Ankara Hacı Bayram Veli University, Polatlı Faculty of Arts and Sciences, Department of Physics, 2019 - Continues

Professor, Hitit University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2015 - 2019

Associate Professor, Hitit University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2010 - 2015

Assistant Professor, Hitit University, Faculty Of Arts And Sciences, Department Of Physics, 2007 - 2010

Research Assistant, Kirikkale University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2000 - 2007

### Academic and Administrative Experience

Rectorate Commissioner, Ankara Hacı Bayram Veli University, Rector's Office, 2020 - Continues

Birim Kalite Komisyonu Başkanı, Hitit University, Faculty Of Arts And Sciences, 2016 - 2021

Member of ADEK Commission, Hitit University, Rectorate, 2016 - 2021

Head of ADEK Commission, Hitit University, Faculty Of Arts And Sciences, 2016 - 2021  
Member of the Senate, Hitit University, Rectorate, 2016 - 2021  
Rektörlük Kalite Komisyonu Üyesi, Hitit University, Rectorate, 2016 - 2021  
Dean, Hitit University, Faculty Of Arts And Sciences, 2016 - 2021  
University Executive Board Member, Hitit University, Rectorate, 2016 - 2021  
Head of Department, Hitit University, Institute Of Science, 2014 - 2019  
Fakülte Kurulu Üyesi, Hitit University, Faculty Of Arts And Sciences, 2007 - 2019  
Head of Department, Hitit University, Faculty Of Arts And Sciences, 2007 - 2019  
Enstitü Yönetim Kurulu Üyesi, Hitit University, Institute Of Science, 2007 - 2010  
Fakülte Yönetim Kurulu Üyesi, Hitit University, Faculty Of Sports Science, 2007 - 2010  
Vice Dean, Hitit University, Faculty Of Arts And Sciences, 2007 - 2010

## Courses

MESLEKİ İNGİLİZCE II, Undergraduate, 2022 - 2023  
GENEL FİZİK2, Undergraduate, 2022 - 2023  
MESLEKİ İNGİLİZCE II, Undergraduate, 2022 - 2023

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

- I. **DFT analysis of the electronic, optical, phonon, elastic, and mechanical features of ternary  $Rb_2XS_3$  ( $X = Si, Ge, Sn$ ) chalcogenides**  
UĞUR Ş., GÜLER M., ÖZDEMİR A., GÜLER E., UĞUR G.  
Optical and Quantum Electronics, vol.56, no.7, 2024 (SCI-Expanded)
- II. **Molecular dynamics exploration of the temperature-dependent elastic, mechanical, and anisotropic properties of hcp ruthenium**  
GÜLER E., UĞUR Ş., GÜLER M., UĞUR G.  
European Physical Journal Plus, vol.139, no.5, 2024 (SCI-Expanded)
- III. **Structural, electronic, elastic and optical properties of double spinel  $MgAlGaO_4$ : a DFT investigation**  
Kushwaha A., GÜLER E., ÖZDEMİR A., GENÇ A. E., UĞUR G.  
Indian Journal of Physics, 2024 (SCI-Expanded)
- IV. **DFT predictions of the electronic, phonon, optical, and thermoelectric characteristics of  $CaCu_2S_2$**   
GÜLER E., GÜLER M., ÖZDEMİR A., GENÇ A. E., UĞUR G., UĞUR Ş.  
MRS Communications, vol.13, no.6, pp.1320-1325, 2023 (SCI-Expanded)
- V. **Unveiling the electronic, optical, and thermoelectrical properties of bulk and monolayer  $AlSiTe_3$  by first principles**  
GÜLER E., UĞUR Ş., GÜLER M., UĞUR G.  
Chemical Physics, vol.575, 2023 (SCI-Expanded)
- VI. **Investigation of electrical and magnetic properties of the  $CuZnAlMn$  alloy for diode application**  
Aldırmaz E., Güler M., GÜLER E.  
Indian Journal of Physics, vol.97, no.10, pp.2903-2908, 2023 (SCI-Expanded)
- VII. **A theoretical benchmark for the electronic, optical, and thermoelectrical characteristics of bulk and monolayer  $BiS_2$**   
Güler E., Uğur Ş., Güler M., Uğur G.  
Micro and Nanostructures, vol.178, no.2023, pp.207568-207578, 2023 (SCI-Expanded)
- VIII. **Investigating the electronic, elastic, mechanical, anisotropic, and optical aspects of  $Sc_2RuZ$  ( $Z: Al, Ga, and In$ ) full Heusler alloys from the first principles**  
Güler M., Uğur Ş., Güler E., Özdemir A., Kushwaha A., Genç A., Uğur G.  
PHYSICA B: CONDENSED MATTER, vol.659, pp.414863-414870, 2023 (SCI-Expanded)

- IX. **Full potential theoretical investigations for electronic, optical, mechanical, elastic and anisotropic properties of  $X_2\text{Se}_2\text{C}$  ( $X = \text{Ta}, \text{Nb}$ ) compounds**  
Baaziz H., Ghellab T., Charifi Z., Güler M., Uğur Ş., Güler E., Genç A. E., Uğur G.  
EUROPEAN PHYSICAL JOURNAL B, vol.96, no.5, pp.55-66, 2023 (SCI-Expanded)
- X. **Experimental investigations of the structural, morphologic and mechanical properties of Ti-18 %Nb-1.4 %Ge alloy**  
UĞUR G., UĞUR Ş., Güler M., GÜLER E.  
Materials Letters, vol.335, 2023 (SCI-Expanded)
- XI. **DFT exploration of the electronic, optical, phonon and thermoelectrical performances of bulk and monolayered AuCN**  
UĞUR G., Güler M., UĞUR Ş., GÜLER E.  
Theoretical Chemistry Accounts, vol.142, no.2, 2023 (SCI-Expanded)
- XII. **Revealing the electronic, optical, elastic, mechanical, anisotropic, and thermoelectric responses of  $\text{Sc}_2\text{NiZ}$  ( $Z = \text{Si}, \text{Ge}$ , and  $\text{Sn}$ ) Heusler alloys via DFT calculations**  
Güler M., Uğur Ş., Uğur G., Güler E.  
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, no.e27033, pp.1-9, 2023 (SCI-Expanded)
- XIII. **First principles investigations of the electronic, elastic, mechanical, anisotropic, optical, and thermoelectric performance of monoclinic SiGe semiconductors**  
GÜLER E., GÜLER M., UĞUR Ş., UĞUR G.  
International Journal of Modern Physics B, 2023 (SCI-Expanded)
- XIV. **Revealing the electronic, optical, phonon and thermoelectrical characteristics of bulk and monolayered  $\text{RbLiS}$  and  $\text{RbLiSe}$  compounds by DFT**  
GÜLER E., UĞUR Ş., Güler M., ÖZDEMİR A., UĞUR G.  
Journal of Physics and Chemistry of Solids, vol.170, 2022 (SCI-Expanded)
- XV. **Analyzing the electronic and optical properties of bulk, unstrained, and strained monolayers of  $\text{SrS}_2$  by DFT**  
Uğur Ş., Güler E., Güler M., Özdemir A., Uğur G.  
PHYSICA E: LOW-DIMENSIONAL SYSTEMS AND NANOSTRUCTURES, vol.143, pp.115403-115412, 2022 (SCI-Expanded)
- XVI. **The elastic, mechanical, and thermodynamic properties of  $\text{NaXH}$  ( $X = \text{B}, \text{Al}$ ) intended for the storage of hydrogen: An ab-initio study**  
Ghellab T., Charifi Z., Baaziz H., Latteli H., Güler M., Uğur Ş., Güler E., Uğur G.  
PHYSICA B: CONDENSED MATTER, vol.638, pp.413851-413868, 2022 (SCI-Expanded)
- XVII. **Dynamical and mechanical stability, electronic properties, bonding and weak interactions analysis of new compounds  $\text{MgS}_2$  and  $\text{MgSe}_2$  in  $\text{Pa}_3^-$  space group structure: Ab initio study**  
Bouafia H., UĞUR G., Güler M., GÜLER E., UĞUR Ş.  
Materials Science in Semiconductor Processing, vol.146, 2022 (SCI-Expanded)
- XVIII. **Exploring the elastic, mechanical and anisotropic response of  $\text{Ti-5Al-XSn}$  alloys through DFT calculations**  
Güler E., Uğur Ş., Güler M., Uğur G.  
Chinese Journal of Physics, vol.77, pp.151-160, 2022 (SCI-Expanded)
- XIX. **Investigating the Magnetic, Mechanical, Electronic, Optical, and Anisotropic Properties of  $\text{ZrCoFeX}$  ( $X = \text{Si}, \text{Ge}$ ) Quaternary Heusler Alloys via First Principles**  
Baaziz H., Ghellab T., Güler E., Charifi Z., UĞUR Ş., Güler M., UĞUR G.  
Journal of Superconductivity and Novel Magnetism, vol.35, no.5, pp.1173-1182, 2022 (SCI-Expanded)
- XX. **Illumination intensities effect on electronic properties of  $\text{Fe-Ni-Mn/p-Si}$  Schottky diode**  
Aldirmaz E., Güler M., Güler E.  
Journal of Materials Science: Materials in Electronics, vol.33, no.7, pp.4132-4144, 2022 (SCI-Expanded)
- XXI. **Electronic, elastic, mechanical and anisotropic response of  $\text{W}_3\text{XC}_2$  ( $X: \text{Si}, \text{Ge}$  and  $\text{Al}$ ) alloys via first-principles**  
Güler E., Güler M., UĞUR Ş., ÖZDEMİR A. T., UĞUR G.

Solid State Communications, vol.343, 2022 (SCI-Expanded)

- XXII. **Probing the electronic, elastic, mechanical and anisotropic features of ZrTiX<sub>4</sub> alloys via density functional theory**  
UĞUR G., UĞUR Ş., ÖZDEMİR A., Güler M., GÜLER E.  
EPL, vol.137, no.4, 2022 (SCI-Expanded)
- XXIII. **DFT aspects of the elastic, mechanical, magnetic, thermodynamic and optical properties of Ce<sub>3</sub>XY perovskites**  
Güler E., Güler M., UĞUR Ş., UĞUR G.  
Philosophical Magazine, vol.102, no.3, pp.244-263, 2022 (SCI-Expanded)
- XXIV. **First principles study of structural, elastic, mechanical and electronic properties of nitrogen-doped cubic diamond**  
Güler E., UĞUR Ş., Güler M., UĞUR G.  
Bulletin of Materials Science, vol.44, no.1, 2021 (SCI-Expanded)
- XXV. **Structural, elastic and mechanical properties of Ti-15Nb-xGe alloys: insight from DFT calculations**  
Güler E., UĞUR G., UĞUR Ş., Güler M., Khenata R.  
Bulletin of Materials Science, vol.44, no.1, 2021 (SCI-Expanded)
- XXVI. **A first-principles study for the elastic and mechanical properties of Ti<sub>64</sub>, Ti<sub>62</sub>Al<sub>2</sub> and Ti<sub>62</sub>Al<sub>4</sub> alloys**  
Güler E., Güler M., UĞUR G., UĞUR Ş.  
European Physical Journal B, vol.94, no.11, 2021 (SCI-Expanded)
- XXVII. **Investigation of structural, kinetics and electrical properties of CuAlMnZn shape memory alloy – p-type silicon Schottky diode**  
Aldirmaz E., Güler M., Güler E., Dere A., TATAROĞLU A., Yakuphanoglu F.  
Sensors and Actuators, A: Physical, vol.331, 2021 (SCI-Expanded)
- XXVIII. **Effect of Quaternary Element (Ni and Mn) Additions on Structural and Magnetic Properties of Cu-Based Alloys**  
Aldirmaz E., Güler M., Güler E.  
Brazilian Journal of Physics, vol.51, no.4, pp.1224-1229, 2021 (SCI-Expanded)
- XXIX. **Structural, optoelectronic and thermodynamic characteristic of orthorhombic SnZrCH<sub>3</sub>(CH=S, Se) compounds: Insights from DFT computations**  
Ben Bellil N., Litimein F., Khachai H., Khenata R., Abdiche A., Güler E., Ahmed R., Bouhemadou A., Bin Omran S., Khalifeh J. M.  
MATERIALS TODAY COMMUNICATIONS, vol.27, 2021 (SCI-Expanded)
- XXX. **First principles study of electronic, elastic, optical and magnetic properties of Rh<sub>2</sub>MnX (X = Ti, Hf, Sc, Zr, Zn) Heusler alloys**  
Güler E., Güler M., UĞUR Ş., UĞUR G.  
International Journal of Quantum Chemistry, vol.121, no.10, 2021 (SCI-Expanded)
- XXXI. **Elastic, mechanical, optical and magnetic properties of Ru<sub>2</sub>MnX (X = Nb, Ta, V) Heusler alloys**  
UĞUR Ş., Güler M., UĞUR G., Güler E.  
Journal of Magnetism and Magnetic Materials, vol.523, 2021 (SCI-Expanded)
- XXXII. **Elastic, mechanical, anisotropic, optical and magnetic properties of V<sub>2</sub>NiSb Heusler alloy**  
Güler M., Güler E., UĞUR Ş., UĞUR G., Charifi Z., Baaziz H.  
Physica Scripta, vol.96, no.3, 2021 (SCI-Expanded)
- XXXIII. **Electronic structure, optical and vibrational properties of Ti<sub>2</sub>FeNiSb<sub>2</sub> and Ti<sub>2</sub>Ni<sub>2</sub>InSb double half heusler alloys**  
UĞUR G., Kushwaha A., Güler M., Charifi Z., UĞUR Ş., Güler E., Baaziz H.  
Materials Science in Semiconductor Processing, vol.123, 2021 (SCI-Expanded)
- XXXIV. **First principles study of the electronic, optical, elastic and thermoelectric properties of Nb<sub>2</sub>WNi alloy**  
Güler M., UĞUR Ş., UĞUR G., Güler E.  
Molecular Physics, vol.119, no.12, 2021 (SCI-Expanded)
- XXXV. **Influence of plastic deformation on the microstructural and magnetic properties of some Fe-based**

## alloys

Aldirmaz E., Güler M., Güler E.

European Physical Journal Plus, vol.136, no.1, 2021 (SCI-Expanded)

- XXXVI. **First principles investigations of structural, elastic, mechanical, electronic and optical properties of triple perovskite Ba<sub>2</sub>K<sub>2</sub>Te<sub>2</sub>O<sub>9</sub>**  
Kushwaha A., UĞUR Ş., Güler M., Güler E., UĞUR G.  
Physica B: Condensed Matter, vol.596, 2020 (SCI-Expanded)
- XXXVII. **A theoretical study for the band gap energies of the most common silica polymorphs**  
Güler E., UĞUR G., UĞUR Ş., Güler M.  
Chinese Journal of Physics, vol.65, pp.472-480, 2020 (SCI-Expanded)
- XXXVIII. **Effect of Nickel Addition on the Magnetic and Microstructural Properties of Cu-Al-Fe Alloy**  
Aldirmaz E., Güler M., Güler E.  
Journal of Superconductivity and Novel Magnetism, vol.33, no.3, pp.755-759, 2020 (SCI-Expanded)
- XXXIX. **First principles study of elastic and mechanical properties of TlBr and TlCl compounds**  
Güler M., UĞUR Ş., UĞUR G., Güler E.  
Journal of Molecular Structure, vol.1200, 2020 (SCI-Expanded)
- XL. **Magnetic and Kinetic Properties of Fe-27%Ni-4%Mn and Fe-27%Ni-4%Mn-2%Zn Alloys Investigated by VSM and DSC**  
Koyuncuoglu E., Aldirmaz E., Güler M., Kulucan F. F., Güler E.  
Journal of Superconductivity and Novel Magnetism, vol.32, no.5, pp.1431-1436, 2019 (SCI-Expanded)
- XLI. **Cu-Al-Mn shape memory alloy based Schottky diode formed on Si**  
Aldirmaz E., TATAROĞLU A., Dere A., Güler M., Güler E., Karabulut A., Yakuphanoglu F.  
Physica B: Condensed Matter, vol.560, pp.261-266, 2019 (SCI-Expanded)
- XLII. **The effect of alloying element Zn on magnetic properties of martensite phase in FeNiMn alloy**  
Güler M., Aldirmaz E., Güler S., Koyuncuoglu E., Kulucan F. F., Gungunes H., Güler E.  
Journal of Molecular Structure, vol.1174, pp.103-106, 2018 (SCI-Expanded)
- XLIII. **Martensitic Transformation and Magnetic Properties of the CuAl, CuAlMn, and CuAlMnZn Alloys**  
Gerdan Y. E., Aldirmaz E., Güler M., Tanak H., Güler E.  
Journal of Superconductivity and Novel Magnetism, vol.31, no.12, pp.3919-3923, 2018 (SCI-Expanded)
- XLIV. **A shape memory alloy based on photodiode for optoelectronic applications**  
Aldirmaz E., Güler M., Güler E., Dere A., TATAROĞLU A., Al-Sehemi A. G., Al-Ghamdi A. A., Yakuphanoglu F.  
Journal of Alloys and Compounds, vol.743, pp.227-233, 2018 (SCI-Expanded)
- XLV. **Structural and Magnetic Properties of Thermal- and Deformation-Induced Martensite in an Fe-27%Ni-4%Mn-1%Zn Alloy**  
Güler M., Aldirmaz E., Güler S., Güler I., GÜLER E.  
Journal of Superconductivity and Novel Magnetism, vol.31, no.2, pp.381-386, 2018 (SCI-Expanded)
- XLVI. **Elastic, mechanical and phonon behavior of wurtzite cadmium sulfide under pressure**  
Güler M., GÜLER E.  
Crystals, vol.7, no.6, 2017 (SCI-Expanded)
- XLVII. **Investigation of Magnetic Properties of Phase Transformations in Copper-Based Alloys**  
Aldirmaz E., Güler M., Güler E.  
Journal of Superconductivity and Novel Magnetism, vol.30, no.5, pp.1257-1261, 2017 (SCI-Expanded)
- XLVIII. **Elastic and related properties of Si under hydrostatic pressure calculated using modified embedded atom method**  
Güler M., Güler E.  
Materials Research Express, vol.3, no.7, 2016 (SCI-Expanded)
- XLIX. **Theoretical Predictions for High-Pressure Elastic, Mechanical, and Phonon Properties of SiGe Alloy**  
Güler M., Güler E.  
Brazilian Journal of Physics, vol.46, no.2, pp.192-197, 2016 (SCI-Expanded)
- L. **Theoretical prediction of the structural, elastic, mechanical and phonon properties of bismuth telluride under pressure**

Guler E., Guler M.

International Journal of Modern Physics B, vol.29, no.31, 2015 (SCI-Expanded)

- LI. **A Theoretical Investigation of the Effect of Pressure on the Structural, Elastic and Mechanical Properties of ZnS Crystals**  
Guler E., Guler M.  
Brazilian Journal of Physics, vol.45, no.3, pp.296-301, 2015 (SCI-Expanded)
- LII. **Elastic and mechanical properties of hexagonal diamond under pressure**  
Guler E., Guler M.  
Applied Physics A: Materials Science and Processing, vol.119, no.2, pp.721-726, 2015 (SCI-Expanded)
- LIII. **Elastic and mechanical properties of cubic diamond under pressure**  
Gueler E., Gueler M.  
Chinese Journal of Physics, vol.53, no.2, 2015 (SCI-Expanded)
- LIV. **High pressure phase transition and elastic behavior of europium oxide**  
Guler M., Guler E.  
Journal of Optoelectronics and Advanced Materials, vol.16, no.11-12, pp.1322-1327, 2014 (SCI-Expanded)
- LV. **High pressure elastic properties of wurtzite aluminum nitrate**  
Guler E., Guler M.  
Chinese Journal of Physics, vol.52, no.5, pp.1625-1635, 2014 (SCI-Expanded)
- LVI. **Geometry optimization calculations for the elasticity of gold at high pressure**  
Guler E., Guler M.  
Advances in Materials Science and Engineering, vol.2013, 2013 (SCI-Expanded)
- LVII. **Embedded atom method-based geometry optimization aspects of body-centered cubic metals**  
Guler M., Guler E.  
Chinese Physics Letters, vol.30, no.5, 2013 (SCI-Expanded)
- LVIII. **Deformation induced martensite characterization in Fe-30%Ni-5%Cu alloy**  
Guler E., Guler M.  
Journal of Mining and Metallurgy, Section B: Metallurgy, vol.48, no.2, pp.259-264, 2012 (SCI-Expanded)
- LIX. **Aspects of thermal martensite in a FeNiMnCo alloy**  
Güler M., GÜLER E., Kahveci N.  
Micron, vol.41, no.5, pp.537-539, 2010 (SCI-Expanded)
- LX. **Characterization of martensite in Fe-25%Ni-15%Co-5%Mo alloy**  
Sari U., GÜLER E., Kirindi T., Dikici M.  
Journal of Physics and Chemistry of Solids, vol.70, no.8, pp.1226-1229, 2009 (SCI-Expanded)
- LXI. **Deformation induced martensite characteristics in Fe-29Ni-2Mn alloy**  
Gueler E., Aktas H.  
Materials Science and Technology, vol.24, no.10, pp.1204-1208, 2008 (SCI-Expanded)
- LXII. **Some characteristics of thermally induced martensite in Fe-30%Ni-3.6%Mo alloy**  
Yasar E., GÜLER E., Güngönes H., Durlu T.  
Materials Characterization, vol.59, no.6, pp.769-772, 2008 (SCI-Expanded)
- LXIII. **Effect of homogenization temperature on the martensitic transformation kinetics in a Fe-32%Ni-0.4%Cr alloy**  
Guener M., Gueler E., Aktas H.  
Materials Characterization, vol.59, no.4, pp.498-502, 2008 (SCI-Expanded)
- LXIV. **Phase transitions in a high-chromium and medium-carbon steel**  
GÜLER E.  
Materials Chemistry and Physics, vol.107, no.2-3, pp.183-185, 2008 (SCI-Expanded)
- LXV. **Comparison of thermally induced and deformation induced martensite in Fe-29% Ni-2% Mn alloy**  
Guler E., Kirindi T., Aktas H.  
Journal of Alloys and Compounds, vol.440, no.1-2, pp.168-172, 2007 (SCI-Expanded)
- LXVI. **Thermally induced martensite properties in Fe-29%Ni-2%Mn alloy**  
GÜLER E., Aktaş H.

- Materials Letters, vol.61, no.16, pp.3315-3318, 2007 (SCI-Expanded)
- LXVII. **Some aspects of thermally induced martensite in Fe-30% Ni-5% Cu alloy**  
Güner M., GÜLER E., Yasar E., Aktas H.  
Physica B: Condensed Matter, vol.395, no.1-2, pp.16-19, 2007 (SCI-Expanded)
- LXVIII. **Effects of homogenization time on the both martensitic transformations and mechanical properties of Fe-Mn-Si-Cr-Ni shape memory alloy**  
Kirindi T., Guler E., Dikici A.  
Journal of Alloys and Compounds, vol.433, no.1-2, pp.202-206, 2007 (SCI-Expanded)
- LXIX. **Mössbauer studies on an AISI 1137 type steel**  
GÜLER E., Akta H.  
Bulletin of Materials Science, vol.29, no.3, pp.303-306, 2006 (SCI-Expanded)
- LXX. **Mössbauer studies on athermal martensite formation in an Fe-Ni-Mn alloy**  
Aydin A., Guler E., Aktas H., Gungunes H.  
Bulletin of Materials Science, vol.25, no.5, pp.359-360, 2002 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Some vibrational and thermodynamic properties of gallium arsenide**  
GÜLER E., GÜLER M., ALDIRMAZ E., KARA M.  
The Journal of Engineering and Fundamentals, vol.3, no.1, pp.9-16, 2016 (Peer-Reviewed Journal)
- II. **The Change of Electrical Resistivity According to Different Quench Techniques in Copper Manganese Alloy**  
ALDIRMAZ E., GÜLER M., GÜLER E., KARA M.  
The Journal of Engineering and Fundamentals, vol.3, no.1, pp.17-21, 2016 (Peer-Reviewed Journal)
- III. **A Benchmark for Some Physical Properties of Zinc Blende ZnS**  
GÜLER M., GÜLER E.  
Journal of Materials Science and Engineering B, vol.4, no.12, pp.392-395, 2014 (Peer-Reviewed Journal)
- IV. **A benchmark for some bulk properties of bcc iron**  
Güler E., Güler M.  
The International Journal of Multiphysics, vol.7, no.2, pp.95-100, 2013 (Peer-Reviewed Journal)
- V. **MICROSCOPIC OBSERVATIONS OF SHAPE MEMORY MECHANISM IN Cu Al Ni ALLOY**  
SARI U., KIRINDI T., GÜLER E., Aksoy İ.  
BALKAN PHYSICS LETTERS, vol.16, pp.161079, 2009 (Scopus)
- VI. **Some Properties of Thermally Induced Martensite Phase in Fe 25 Ni 15 Co 2 Mo Alloy**  
SARI U., KIRINDI T., GÜLER E., Aksoy İ.  
BALKAN PHYSICS LETTERS, pp.437-439, 2008 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF THE ELECTRONIC, ELASTIC, AND OPTICAL PROPERTIES OF Sc<sub>2</sub>PbZ (Z=Si, Ge, Sn) HEUSLER COMPOUNDS: FIRST-PRINCIPLES CALCULATIONS**  
Uğur G., Er S., Güler E.  
6th International Conference on the World of Technology and Advanced Materials "WITAM'23", Batna, Algeria, 23 - 24 October 2023, pp.46
- II. **A COMBINED THEORETICAL AND EXPERIMENTAL STUDY FOR NOVEL TITANIUM BASED BIOMATERIALS**  
Güler E., Güler M., Uğur Ş., Uğur G.  
6th International Conference on the World of Technology and Advanced Materials "WITAM'23, Batna, Algeria, 23 - 24 October 2023, pp.18

- III. **INVESTIGATION OF THE STRUCTURAL, ELECTRONIC, ELASTIC AND OPTICAL PROPERTIES OF InGeCl<sub>3</sub>, InSnCl<sub>3</sub> AND InPbCl<sub>3</sub> COMPOUNDS**  
Uğur Ş., Dağdeviren B., Güler E.  
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## Metrics

Publication: 152

Citation (WoS): 640

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H-Index (WoS): 14

H-Index (Scopus): 15

## Scholarships

Council of Higher Education, University, 2010 - 2010

## Awards

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