Prof. EMRE GÜLER

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Education Information

Doctorate, Kirikkale University, Institute Of Science, Fizik, Turkey 2002 - 2005
Postgraduate, Kirikkale University, Institute Of Science, Fizik (Yl) (Tezli), Turkey 1999 - 2002
Undergraduate, Ondokuz Mayis 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 (Yl) (Tezli), 2002

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Ankara Haci Bayram Veli University, Polatli 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 Haci 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 Scıences, 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 Scıences, 2016 - 2021
University Executive Board Member, Hitit University, Rectorate, 2016 - 2021
Head of Department, Hitit University, Institute Of Scıence, 2014 - 2019
Fakülte Kurulu Üyesi, Hitit University, Faculty Of Arts And Scıences, 2007 - 2019
Head of Department, Hitit University, Faculty Of Arts And Scıences, 2007 - 2019
Enstitü Yönetim Kurulu Üyesi, Hitit University, Institute Of Scıence, 2007 - 2010
Fakülte Yönetim Kurulu Üyesi, Hitit University, Faculty Of Sports Scıence, 2007 - 2010
Vice Dean, Hitit University, Faculty Of Arts And Scıences, 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 predictions of the electronic, phonon, optical, and thermoelectric characteristics of CaCu2S2**
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)

II. **Unveiling the electronic, optical, and thermoelectrical properties of bulk and monolayer AlSiTe3 by first principles**
GÜLER E., UĞUR Ş., GÜLER M., UĞUR G.
Chemical Physics, vol.575, 2023 (SCI-Expanded)

III. **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)

IV. **A theoretical benchmark for the electronic, optical, and thermoelectrical characteristics of bulk and monolayer BiS2**
Güler E., Uğur Ş., Güler M., Uğur G.
Micro and Nanostructures, vol.178, no.2023, pp.207568-207578, 2023 (SCI-Expanded)

V. **Investigating the electronic, elastic, mechanical, anisotropic, and optical aspects of Sc2RuZ (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)

VI. **Full potential theoretical investigations for electronic, optical, mechanical, elastic and anisotropic properties of X2Se2C (X = Ta, 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)

VII. **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)

VIII. **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)

IX. **Revealing the electronic, optical, elastic, mechanical, anisotropic, and thermoelectric responses of Sc 2 NiZ (Z = Si , Ge , and 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)

X. **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)

XI. **Revealing the electronic, optical, phonon and thermoelectrical characteristics of bulk and monolayered RbLiS and 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)

XII. **Analyzing the electronic and optical properties of bulk, unstrained, and strained monolayers of SrS2 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)

XIII. **The elastic, mechanical, and thermodynamic properties of NaXH (X = B, 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)

XIV. **Dynamical and mechanical stability, electronic properties, bonding and weak interactions analysis of new compounds MgS2 and MgSe2 in $Pa3^{-}$ 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)

XV. **Exploring the elastic, mechanical and anisotropic response of 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)

XVI. **Investigating the Magnetic, Mechanical, Electronic, Optical, and Anisotropic Properties of ZrCoFeX (X = Si, 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)

XVII. **Illumination intensities effect on electronic properties of 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)

XVIII. **Electronic, elastic, mechanical and anisotropic response of W3XC2 (X: Si, Ge and Al) alloys via first-principles**
Güler E., Güler M., UĞUR Ş., ÖZDEMİR A. T., UĞUR G.
Solid State Communications, vol.343, 2022 (SCI-Expanded)

XIX. **Probing the electronic, elastic, mechanical and anisotropic features of ZrTiX4alloys via density functional theory**
UĞUR G., UĞUR Ş., ÖZDEMİR A., Güler M., GÜLER E.
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XX. **DFT aspects of the elastic, mechanical, magnetic, thermodynamic and optical properties of Ce3XY perovskites**
Güler E., Güler M., UĞUR Ş., UĞUR G.
Philosophical Magazine, vol.102, no.3, pp.244-263, 2022 (SCI-Expanded)

XXI. **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)

XXII. **Structural, elastic and mechanical properties of Ti–15Nb–xGe alloys: insight from DFT calculations**
Güler E., UĞUR G., UĞUR Ş., Güler M., Khenata R.
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XXIII. **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., Yakuphanoğlu F.
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XXIV. **A first-principles study for the elastic and mechanical properties of Ti64, Ti6242 and Ti6246 alloys**
Güler E., Güler M., UĞUR G., UĞUR Ş.
European Physical Journal B, vol.94, no.11, 2021 (SCI-Expanded)

XXV. **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)

XXVI. **Structural, optoelectronic and thermodynamic characteristic of orthorhombic SnZrCH3(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)

XXVII. **First principles study of electronic, elastic, optical and magnetic properties of Rh2MnX (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)

XXVIII. **Elastic, mechanical, optical and magnetic properties of Ru2MnX (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)

XXIX. **Electronic structure, optical and vibrational properties of Ti2FeNiSb2 and Ti2Ni2InSb 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)

XXX. **Elastic, mechanical, anisotropic, optical and magnetic properties of V2NiSb Heusler alloy**
Güler M., Güler E., UĞUR Ş., UĞUR G., Charifi Z., Baaziz H.
Physica Scripta, vol.96, no.3, 2021 (SCI-Expanded)

XXXI. **First principles study of the electronic, optical, elastic and thermoelectric properties of Nb2WNi alloy**
Güler M., UĞUR Ş., UĞUR G., Güler E.
Molecular Physics, vol.119, no.12, 2021 (SCI-Expanded)

XXXII. **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)

XXXIII. **First principles investigations of structural, elastic, mechanical, electronic and optical properties of triple perovskite Ba2K2Te2O9**
Kushwaha A., UĞUR Ş., Güler M., Güler E., UĞUR G.
Physica B: Condensed Matter, vol.596, 2020 (SCI-Expanded)

XXXIV. **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)

XXXV. **Effect of Nickel Addition on the Magnetic and Microstructural Properties of Cu-Al-Fe Alloy**

Aldirmaz E., Guler M., Guler E.
Journal of Superconductivity and Novel Magnetism, vol.33, no.3, pp.755-759, 2020 (SCI-Expanded)

XXXVI. **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)

XXXVII. **Magnetic and Kinetical 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., Guler M., Kulucan F. F., Guler E.
Journal of Superconductivity and Novel Magnetism, vol.32, no.5, pp.1431-1436, 2019 (SCI-Expanded)

XXXVIII. **Cu-Al-Mn shape memory alloy based Schottky diode formed on Si**
Aldirmaz E., TATAROĞLU A., Dere A., Guler M., Guler E., Karabulut A., Yakuphanoglu F.
Physica B: Condensed Matter, vol.560, pp.261-266, 2019 (SCI-Expanded)

XXXIX. **The effect of alloying element Zn on magnetic properties of martensite phase in FeNiMn alloy**
Guler M., Aldirmaz E., Gul S., Koyuncuoglu E., Kulucan F. F., Gungunes H., Guler E.
Journal of Molecular Structure, vol.1174, pp.103-106, 2018 (SCI-Expanded)

XL. **Martensitic Transformation and Magnetic Properties of the CuAl, CuAlMn, and CuAlMnZn Alloys**
Gerdan Y. E., Aldirmaz E., Guler M., Tanak H., Guler E.
Journal of Superconductivity and Novel Magnetism, vol.31, no.12, pp.3919-3923, 2018 (SCI-Expanded)

XLI. **A shape memory alloy based on photodiode for optoelectronic applications**
Aldirmaz E., Guler M., Guler 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)

XLII. **Structural and Magnetic Properties of Thermal- and Deformation-Induced Martensite in an Fe-27%Ni-4%Mn-1%Zn Alloy**
Guler M., Aldirmaz E., Gul S., Gul I., GÜLER E.
Journal of Superconductivity and Novel Magnetism, vol.31, no.2, pp.381-386, 2018 (SCI-Expanded)

XLIII. **Elastic, mechanical and phonon behavior of wurtzite cadmium sulfide under pressure**
Güler M., GÜLER E.
Crystals, vol.7, no.6, 2017 (SCI-Expanded)

XLIV. **Investigation of Magnetic Properties of Phase Transformations in Copper-Based Alloys**
Aldirmaz E., Guler M., Guler E.
Journal of Superconductivity and Novel Magnetism, vol.30, no.5, pp.1257-1261, 2017 (SCI-Expanded)

XLV. **Elastic and related properties of Si under hydrostatic pressure calculated using modified embedded atom method**
Guler M., Guler E.
Materials Research Express, vol.3, no.7, 2016 (SCI-Expanded)

XLVI. **Theoretical Predictions for High-Pressure Elastic, Mechanical, and Phonon Properties of SiGe Alloy**
Guler M., Guler E.
Brazilian Journal of Physics, vol.46, no.2, pp.192-197, 2016 (SCI-Expanded)

XLVII. **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)

XLVIII. **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)

XLIX. **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)

L. **Elastic and mechanical properties of cubic diamond under pressure**
Gueler E., Gueler M.

Chinese Journal of Physics, vol.53, no.2, 2015 (SCI-Expanded)

LI. **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)

LII. **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)

LIII. **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)

LIV. **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)

LV. **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)

LVI. **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)

LVII. **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)

LVIII. **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)

LIX. **Some characteristics of thermally induced martensite in Fe-30%Ni-3.6%Mo alloy**
Yasar E., GÜLER E., Güngünes H., Durlu T.
Materials Characterization, vol.59, no.6, pp.769-772, 2008 (SCI-Expanded)

LX. **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)

LXI. **Phase transitions in a high-chromium and medium-carbon steel**
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LXII. **Comparison of thermally induced and deformation induced martensite in Fe-29% Ni-2% Mn alloy**
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GÜLER E., Aktaş H.
Materials Letters, vol.61, no.16, pp.3315-3318, 2007 (SCI-Expanded)

LXIV. **Some aspects of thermally induced martensite in Fe-30% Ni-5% Cu alloy**
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LXV. **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)

LXVI. **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)

LXVII. **Mössbauer studies on athermal martensite formation in an Fe-Ni-Mn alloy**
Aydin A., Guler E., Aktas H., Gungunes H.
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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 Accourding 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 Sc2PbZ (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 InGeCl3, InSnCl3 AND InPbCl3 COMPOUNDS**
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IV. **EXPLORING THE PHYSICAL, OPTOELECTRONIC AND MECHANICAL FEATURES OF A2BCl6 (A=Cs, Rb; B=Si, Ge, Sn) PEROVSKITES**
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V. **ELECTRONIC AND OPTICAL PROPERTIES OF 2D MATERIALS**

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VI. **Awaiting Horizons of 2D Materials**
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VII. **GULP: An efficient and quick tool for molecular modelling**
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VIII. **Effect of heat treatment on kinetic properties of Cu-Zn-Al-Ni alloy**
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4.International Conference on Material Science and Technology in Kızılcahamam/ANKARA (IMSTEC 2019), Turkey, 18 - 20 October 2019, pp.601-603

IX. **Effect of heat treatment on structural behaviour of Cu-Zn-Al-Ni alloy**
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4.International Conference on Material Science and Technology in Kızılcahamam/ANKARA(IMSTEC 2019), Turkey, 18 October 2019, pp.598-600

X. **Effects of LEAD (PB) and THALLIUM (TL) elements on melting temperatures of eutectic microstructure**
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XII. **Electrical resistivity of Aluminum alloys for the application of electric**
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XIII. **Calculating the elastic constants of lead.**
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