

## Doç. Dr. GÖNÜL AKÇA

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: N-2164-2019

ScopusID: 55759566000

Yoksis Araştırmacı ID: 129895

### Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 2010 - 2018

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 2006 - 2010

Lisans, Çukurova Üniversitesi, Fen Edebiyat Fakültesi, Fizik, Türkiye 2002 - 2006

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, (La1-xREx)0.85K0.15MnO3 (RE = Pr ve Sm) MANGANİT BİLEŞİKLERİNİN YAPISAL, MANYETİK VE MANYETOKALORİK ÖZELLİKLERİNİN İNCELENMESİ, Çukurova Üniversitesi, Fen Edebiyat Fakültesi, Fizik, 2018

Yüksek Lisans, (Li-Ho) katkılı BPSCCO için süperiletkenlik özellikleri, Çukurova Üniversitesi, Fen Edebiyat Fakültesi, Fizik, 2010

### Araştırma Alanları

Fizik, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Manyetik özellikler ve malzemeler, Süperiletkenlik, Temel Bilimler

### Akademik Unvanlar / Görevler

Araştırma Görevlisi Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2018 - Devam Ediyor

Araştırma Görevlisi, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2009 - 2018

### Verdiği Dersler

Manyetik Soğutma Teknolojileri, Lisans, 2022 - 2023

Manyetik Soğutma Teknolojileri, Lisans, 2020 - 2021

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Investigation of the magnetocaloric properties of Bi doping in La<sub>0.7</sub>Ca<sub>0.27</sub>Na<sub>0.03</sub>Mn<sub>1-x</sub>Bi<sub>x</sub>O<sub>3</sub> (x=0.0, 0.005, 0.01 and 0.02) perovskites**  
Aslan M. S., AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.  
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, cilt.310, 2024 (SCI-Expanded)
- II. **Study of magnetocaloric properties of small Bi-doped Pr<sub>0.55</sub>Ca<sub>0.05</sub>Ba<sub>0.40</sub>Mn<sub>1-x</sub>Bi<sub>x</sub>O<sub>3</sub> manganites**  
Akça G., Kılıç Çetin S., Ekicibil A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.35, sa.20, ss.1-13, 2024 (SCI-Expanded)
- III. **Optimizing the curie temperature of La<sub>0.67</sub>Sr<sub>0.33</sub>MnO<sub>3</sub>-based composite materials around room temperature through the addition of Mo, Mn, and Ni metallic elements**  
Ak Y. S., Coşkun A. T., Kılıç Çetin S., Akça G., Irmak A. E., Ekicibil A., Coşkun A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.35, sa.16, 2024 (SCI-Expanded)
- IV. **Room-temperature magnetocaloric properties of yLa<sub>0.67</sub>Ca<sub>0.27</sub>Sr<sub>0.06</sub>MnO<sub>3</sub>/1-yLa<sub>0.7</sub>Sr<sub>0.3</sub>Mn<sub>0.95</sub>Cu<sub>0.05</sub>O<sub>3</sub> composites**  
Kılıç Çetin S., Akça G., Aslan M. S., Ekicibil A.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, cilt.149, sa.10, ss.4441-4451, 2024 (SCI-Expanded)
- V. **Enhancement of magnetocaloric effect by partial substitution of Bi in La<sub>0.60</sub>Dy<sub>0.10</sub>Sr<sub>0.30</sub>Mn<sub>(1-x)</sub>Bi<sub>x</sub>O<sub>3</sub> manganites (x=0, 0.01, 0.03, and 0.10)**  
KURT M. Z., KILIÇ ÇETİN S., Kandemir A., AKÇA G., KARADAĞ F., EKİCİBİL A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.35, sa.8, 2024 (SCI-Expanded)
- VI. **Magnetocaloric effect in PrGd<sub>1-x</sub>BaxMn<sub>2</sub>O<sub>6</sub> (0.0 ≤ x ≤ 1.0) double perovskite manganite system**  
Akça G., Kandemir A., Ayaş A. O., Kılıç Çetin S., Akyol M., Ekicibil A.  
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, cilt.34, sa.34-, ss.1-16, 2023 (SCI-Expanded)
- VII. **Effects of Ca substitution on magnetic and magnetocaloric properties in PrBa<sub>1-x</sub>CaxMn<sub>2</sub>O<sub>6</sub> system**  
Kandemir A., Akça G., Kılıç Çetin S., Ayaş A. O., Akyol M., Ekicibil A.  
JOURNAL OF SOLID STATE CHEMISTRY, cilt.324, ss.1-13, 2023 (SCI-Expanded)
- VIII. **Magnetic refrigeration: Current progress in magnetocaloric properties of perovskite manganite materials**  
Ayaş A. O., Çetin S., Akça G., Akyol M., Ekicibil A.  
MATERIALS TODAY COMMUNICATIONS, cilt.35, ss.1-17, 2023 (SCI-Expanded)
- IX. **A comparative study of magnetic, and magnetocaloric properties of different transition metal-doped La<sub>0.67</sub>Sr<sub>0.33</sub>A<sub>0.3</sub> (A: Mn, Co, Cr, and Fe) samples**  
Coşkun A. T., Ak Y. S., Güleç N., Akça G., Kılıç Çetin S., Ekicibil A., Coşkun A.  
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, cilt.34, ss.1-15, 2023 (SCI-Expanded)
- X. **Large magnetocaloric effect in La-based manganite composites near room temperature**  
Kılıç Çetin S., Akça G., Ekicibil A.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, cilt.147, sa.23, ss.13073-13087, 2022 (SCI-Expanded)
- XI. **Synthesis and characterization of bifunctional Ru doped La-based perovskites for magnetic refrigeration and energy storage systems**  
Kılıç Çetin S., Akça G., Kaya D., Ayaş A. O., Ekicibil A.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.1, ss.1-11, 2022 (SCI-Expanded)
- XII. **Enhancement of magnetic entropy change in La<sub>0.57</sub>Nd<sub>0.1</sub>Sr<sub>0.33-x</sub>CaxMnO<sub>3</sub> manganites**  
Akça G.  
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, cilt.1, ss.1-18, 2022 (SCI-Expanded)
- XIII. **Investigation of the effect of sintering temperature on structural, magnetic and magnetocaloric properties in PrCaMn<sub>2</sub>O<sub>6</sub> double perovskite manganite system**  
AYAŞ A. O., Kandemir A., Cetin S. K., AKÇA G., Akyol M., EKİCİBİL A.

- JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.33, sa.10, ss.7357-7370, 2022 (SCI-Expanded)
- XIV. **Role of nickel doping on magnetocaloric properties of  $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ni}_x\text{O}_3$  manganites**  
Cetin S. K., AKÇA G., Aslan M. S., EKİCİBİL A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.32, sa.8, ss.10458-10472, 2021 (SCI-Expanded)
- XV. **Microstructural Analysis, Magnetic Properties, and Critical Behavior of  $\text{La}_{(0.7)}\text{Ba}_{(0.15)}\text{Sr}_{(0.15)}\text{CoO}_{(3)}$  Perovskite**  
Alzahrani B., Akça G., Hcini S., Bouazizi M. L.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.34, sa.2, ss.507-518, 2021 (SCI-Expanded)
- XVI. **Structural, Magnetic, and Electrical Properties of  $\text{Bi}_{(1.6)}\text{Pb}_{(0.4)}\text{Sr}_{(2)}\text{Ca}_{(2)}\text{Cu}_{(3)}\text{O}_{(10+x)}$  Superconductor Prepared by Different Techniques**  
Coskun A., AKÇA G., Tasarkuyu E., Battal O., EKİCİBİL A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.33, sa.11, ss.3377-3393, 2020 (SCI-Expanded)
- XVII. **Composite  $x\text{La}_{(0.7)}\text{Ca}_{(0.2)}\text{Sr}_{(0.1)}\text{MnO}_{(3)}$  /  $(1-x)\text{La}_{0.7}\text{Te}_{0.3}\text{MnO}_3$  materials: magnetocaloric properties around room temperature**  
Akça G., Cetin S., Ekicibil A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.31, sa.9, ss.6796-6808, 2020 (SCI-Expanded)
- XVIII. **Structural, Magnetic, and Magnetocaloric Properties of Pb-Substituted  $\text{La}_{0.7}(\text{Te}_{1-x}\text{Pb}_x)_{(0.3)}\text{MnO}_3$  ( $0.0 \leq x \leq 0.3$ ) Manganites**  
KILIÇ ÇETİN S., AKÇA G., AYAŞ A. O., Akyol M., EKİCİBİL A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.33, sa.2, ss.527-538, 2020 (SCI-Expanded)
- XIX. **Effect of B site partial Ru substitution on structural magnetic and magnetocaloric properties in  $\text{La}_{0.7}\text{Pb}_{0.3}\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$  ( $x=0.0, 0.1$  and  $0.2$ ) perovskite system**  
Ayas A. O., Cetin S., AKYOL M., AKÇA G., EKİCİBİL A.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1200, 2020 (SCI-Expanded)
- XX. **Impact of small Er rare earth element substitution on magnetocaloric properties of  $(\text{La}_{0.9}\text{Er}_{0.1})_{(0.6)}\text{Pb}_{0.3}\text{MnO}_3$  perovskite**  
Cetin S., Akça G., Ekicibil A.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1196, ss.658-661, 2019 (SCI-Expanded)
- XXI. **Structural, magnetic and magnetocaloric properties of  $(\text{La}_{1-x}\text{Sm}_x)_{(0.85)}\text{K}_{0.15}\text{MnO}_3$  ( $x=0.0, 0.1, 0.2$  and  $0.3$ ) perovskite manganites**  
AKÇA G., Cetin S. K., EKİCİBİL A.  
CERAMICS INTERNATIONAL, cilt.43, sa.17, ss.15811-15820, 2017 (SCI-Expanded)
- XXII. **Effect of Monovalent Cation Doping on Structural, Magnetic, and Magnetocaloric Properties of  $\text{Pr}_{0.85}\text{A}_{0.15}\text{MnO}_3$  ( $\text{A} = \text{Ag}$  and  $\text{K}$ ) Manganites**  
AKÇA G., Ayas A. O., Cetin S. K., AKYOL M., EKİCİBİL A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.30, sa.6, ss.1515-1525, 2017 (SCI-Expanded)
- XXIII. **Magnetocaloric properties of  $(\text{La}_{1-x}\text{Pr}_x)_{(0.85)}\text{K}_{0.15}\text{MnO}_3$  ( $x=0.0, 0.1, 0.3$  and  $0.5$ ) perovskite manganites**  
Akça G., Cetin S., Gunes M., Ekicibil A.  
CERAMICS INTERNATIONAL, cilt.42, sa.16, ss.19097-19104, 2016 (SCI-Expanded)
- XXIV. **Effect of Ca doping on thermally activated flux flow in the  $\text{Y}_3\text{Ba}_5\text{Cu}_8\text{O}_{18}$  superconductor**  
AKYOL M., Ayas A. O., AKÇA G., Cetin S., EKİCİBİL A.  
BULLETIN OF MATERIALS SCIENCE, cilt.38, sa.5, ss.1231-1237, 2015 (SCI-Expanded)
- XXV. **Magnetocaloric Properties of  $\text{La}_{0.85}\text{Ag}_{0.15}\text{MnO}_3$  and  $(\text{La}_{0.80}\text{Pr}_{0.20})_{(0.85)}\text{Ag}_{0.15}\text{MnO}_3$  Compounds**  
Ayas A. O., AKYOL M., CETIN S., AKÇA G., EKİCİBİL A., ÖZÇELİK B.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.28, sa.6, ss.1649-1658, 2015 (SCI-Expanded)
- XXVI. **Effects of Mn and Gd Co-substituted into ZnO on Structural and Magnetic Properties**  
Bulcar K., AKYOL M., AKÇA G., Ayas A. O., TOPAKSU M., EKİCİBİL A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.27, sa.11, ss.2631-2637, 2014 (SCI-Expanded)
- XXVII. **Influence of lithium-holmium co-doped on structural and electrical properties of BSCCO superconductor**  
AKÇA G., EKİCİBİL A., Kiymac K.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, cilt.15, ss.229-234, 2013 (SCI-Expanded)

## Diğer Dergilerde Yayınlanan Makaleler

- I. **Effects of Mn-site doping on the magnetocaloric properties of  $\text{La}_{0.62}\text{Bi}_{0.05}\text{Ca}_{0.33}\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$  manganite system**  
KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, cilt.10, sa.4, ss.1715-1724, 2022 (Hakemli Dergi)
- II. **Effects of copper substitution to Mn-site on magnetic and magnetocaloric properties of  $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Cu}_x\text{O}_3$  manganites**  
KILIÇ ÇETİN S., AKÇA G., ASLAN M. S., EKİCİBİL A.  
Adıyaman Üniversitesi Fen Bilimleri Dergisi, cilt.12, sa.1, ss.142-161, 2022 (Hakemli Dergi)
- III. **Magnetic and Magnetocaloric Properties of  $0.5\text{La}_{0.7}\text{Ca}_{0.2}\text{Sr}_{0.1}\text{MnO}_3/0.5\text{La}_{0.7}\text{Te}_{0.3}\text{MnO}_3$  Composite**  
Akça G., Kılıç Çetin S., Ekicibil A.  
CUMHURİYET SCIENCE JOURNAL, cilt.41, sa.1, ss.144-151, 2020 (Hakemli Dergi)
- IV. **The Investigation of Structural, Magnetic and Magnetocaloric Properties of  $(\text{La}_{0.9}\text{Er}_{0.1})_{0.85}\text{K}_{0.15}\text{MnO}_3$  Manganite Compound**  
AKÇA G., KILIÇ ÇETİN S.  
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, cilt.34, sa.1, ss.139-144, 2019 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

- I. **Transport Properties of Superconducting Materials**  
Ekicibil A., Karadağ F., Kiliç Çetin S., Ayaş A. O., Akça G., Akyol M., Kaya D.  
Superconducting Materials, Yassine Slimani, Essia Hannachi, Editör, Springer, London/Berlin, Singapore, ss.29-60, 2022
- II. **Transport Properties of Superconducting Materials**  
EKİCİBİL A., KARADAĞ F., KILIÇ ÇETİN S., AYAS A. O., AKÇA G., AKYOL M., KAYA D.  
Superconducting Materials, Slimani Yassine, Hannachi Essia, Editör, Springer, Singapore, ss.29-60, 2022

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Magnetocaloric, structural and magnetic properties of  $\text{La}_{(0.85)}\text{Bi}_{(0.05)}\text{Na}_{(0.1)}\text{MnO}_3$  manganite**  
Aslan M. S., Kılıç Çetin S., Akça G., Ekicibil A.  
5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2024), Ankara, Türkiye, 26 Haziran - 28 Ağustos 2024, ss.1
- II. **Magnetic entropy change in Bi-doped  $\text{Nd}_{0.55}\text{Ca}_{0.05}\text{Ba}_{0.40}\text{Mn}_{1-x}\text{Bi}_x\text{O}_3$  ( $x = 0$  and  $0.02$ ) perovskite manganites**  
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.  
Middle East International Conference on Contemporary Scientific Studies-VIII, Adana, Türkiye, 7 - 08 Ocak 2023
- III. **Structural, Magnetic and Magnetocaloric Features of  $\text{PrBa}_{1-x}\text{Ca}_x\text{Mn}_2\text{O}_6$  ( $0.0 \leq x \leq 0.3$ ) Double Perovskite Manganite System**  
Kandemir A., Akça G., Kılıç Çetin S., Ayaş A. O., Akyol M., Ekicibil A.  
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Türkiye, 14 - 16 Aralık 2022, ss.135
- IV. **Magnetic and Magnetocaloric properties of  $\text{Pr}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$  manganite**  
Akça G.  
6th International Conference on Advances in Natural and Applied Sciences, Ağrı, Türkiye, 11 - 13 Ekim 2022, ss.1
- V. **INVESTIGATION OF MAGNETIC AND MAGNETOCALORIC PROPERTIES OF COMPOSITES CONSIST OF La-BASED MANGANITES**  
Kılıç Çetin S., Akça G., Aslan M. S., Ekicibil A.  
CUKUROVA 8th INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Adana, Türkiye, 15 - 17 Nisan 2022, ss.717
- VI. **Structural, Magnetic and Magnetocaloric Properties of  $\text{PrBa}_{0.5}\text{Gd}_{0.5}\text{Mn}_2\text{O}_6$  Compound**  
Kandemir A., Ayaş A. O., Kılıç Çetin S., Akça G., Akyol M., Ekicibil A.  
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara,

Türkiye, 15 - 17 Aralık 2021, ss.13

VII. **Magnetic and magnetocaloric properties of Pr<sub>0.55</sub>Ca<sub>0.05</sub>Ba<sub>0.4</sub>Mn<sub>1-x</sub>Bi<sub>x</sub>O<sub>3</sub> (x:0, 0.02) manganites**

Akça G., Kılıç Çetin S., Ekicibil A.

3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Türkiye, 15 - 17 Aralık 2021, ss.96

VIII. **Structural and Magnetic Properties with Magnetocaloric Effect in Pr(Ba<sub>1-x</sub>Gdx)Mn<sub>2</sub>O<sub>6</sub> (x = 0.6, 0.7, and 1.0) Double Perovskite Manganite System**

Kandemir A., Kılıç Çetin S., Ayaş A. O., Akça G., Akyol M., Ekicibil A.

6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Türkiye, 25 - 27 Ekim 2021, ss.1

IX. **Increase in the relative cooling power of xLa<sub>0.67</sub>Ca<sub>0.27</sub>Sr<sub>0.06</sub>MnO<sub>3</sub> / (1-x)La<sub>0.7</sub>Sr<sub>0.3</sub>Mn<sub>0.94</sub>Ni<sub>0.06</sub>O<sub>3</sub> Composites (x = 0.25, 0.50 and 0.75),**

KILIÇ ÇETİN S., AKÇA G., Aslan M. S., EKİCİBİL A.

8th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG2021), Elazığ, Türkiye, 14 - 16 Temmuz 2021

X. **Structural and Magnetic Properties with Magnetocaloric Effect in Pr(Gd<sub>1-x</sub>Bax)Mn<sub>2</sub>O<sub>6</sub> Double Perovskite Manganite System**

Kandemir A., Kılıç Çetin S., Ayaş A. O., Akça G., Akyol M., Ekicibil A.

8th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG2021), Elazığ, Türkiye, 14 - 16 Temmuz 2021, ss.41

XI. **Increase in the relative cooling power of xLa<sub>0.67</sub>Ca<sub>0.27</sub>Sr<sub>0.06</sub>MnO<sub>3</sub> / (1-x)La<sub>0.7</sub>Sr<sub>0.3</sub>Mn<sub>0.94</sub>Ni<sub>0.06</sub>O<sub>3</sub> Composites (x = 0.25, 0.50 and 0.75)**

Kılıç Çetin S., Akça G., Aslan M. S., Ekicibil A.

8th International Conference on Materials Science and Nanotechnology for Next Generation MSNG2021), Elazığ, Türkiye, 14 - 16 Temmuz 2021, ss.80

XII. **Magnetic Multi Phases: Magnetic and Magnetocaloric properties**

AKÇA G.

3. International Mediterranean Symposium, Mersin, Türkiye, 30 Ekim - 02 Kasım 2019, ss.310-311

XIII. **Magnetocaloric properties of xLa<sub>0.7</sub>Ca<sub>0.2</sub>Sr<sub>0.1</sub>MnO<sub>3</sub> / (1-x)La<sub>0.7</sub>Te<sub>0.3</sub>MnO<sub>3</sub> composites**

AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.

6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Türkiye, 16 - 19 Ekim 2019, ss.69

XIV. **Magnetocaloric Effect in Er-Substituted (La<sub>1-x</sub>Er<sub>x</sub>)<sub>0.67</sub>Ba<sub>0.33</sub>MnO<sub>3</sub> manganites**

KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A.

6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Türkiye, 16 - 19 Ekim 2019, ss.80

XV. **Determination of the Nature of Magnetic Phase Transition in Some Magnetocaloric Manganites Using Different Methods**

AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.

INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIAL, Adana, Türkiye, 14 - 19 Ekim 2019, ss.52

XVI. **Structural, magnetic and magnetocaloric properties of (La<sub>0.8</sub>Pr<sub>0.2</sub>)<sub>0.85</sub>K<sub>0.15</sub>MnO<sub>3</sub> manganite compound**

AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.

5th International conference on materials science and nanotechnology for next generation (MSNG2018), Nevşehir, Türkiye, 4 - 06 Ekim 2018

XVII. **Structural, magnetic and magnetocaloric properties of La<sub>0.7</sub>Ca<sub>0.2</sub>Sr<sub>0.1</sub>MnO<sub>3</sub> manganite**

AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.

3rd International Mediterranean Science and Engineering Congress (IMSEC 2018) | 3. Uluslararası Akdeniz Bilim ve Mühendislik Kongresi (IMSEC 2018), Adana, Türkiye, 24 - 26 Ekim 2018, ss.1

XVIII. **Magnetic and Magnetocaloric Properties of La<sub>0.7</sub>Ca<sub>0.2</sub>Sr<sub>0.1</sub>MnO<sub>3</sub> Manganite**

AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.

th International conference on materials science and nanotechnology for next generation (MSNG2018), Nevşehir, Türkiye, 4 Ekim - 29 Eylül 2018, ss.47

XIX. **Magnetic and Magnetocaloric Properties of Er-doped (La<sub>0.9</sub>Er<sub>0.1</sub>)<sub>0.67</sub>Pb<sub>0.33</sub>MnO<sub>3</sub> Perovskite**

KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A.

5th International conference on materials science and nanotechnology for next generation (MSNG2018), Nevşehir, Türkiye, 4 - 06 Ekim 2018, ss.231

- XX. **MAGNETIC AND MAGNETOCALORIC PROPERTIES OF  $\text{La}_{0.7}\text{Te}_{0.3}\text{MnO}_3$  MANGANITE COMPOUND**  
KILIÇ ÇETİN S., AKÇA G., AYAS A. O., AKYOL M., EKİCİBİL A.  
TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS, SEPTEMBER 5-9, 2018, BODRUM /TURKEY, Muğla, Türkiye, 5 - 09 Eylül 2018, ss.1
- XXI. **Magnetic Properties of Perovskite  $(\text{La}_{0.9}\text{Dy}_{0.1})_{0.85}\text{Ag}_{0.15}\text{MnO}_3$  Compound**  
Ayaş A. O., Akyol M., Kılıç Çetin S., Akça G., Ekicibil A.  
5.th International Conference on Materials Science and Nanotechnology for Next Generation, Nevşehir, Türkiye, 4 - 06 Haziran 2018
- XXII. **Magnetocaloric properties of  $(\text{La}_{0.9}\text{Er}_{0.1})_{0.85}\text{K}_{0.15}\text{MnO}_3$  manganite**  
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.  
International Conference on Condensed Matter and Material Sciences, Adana, Türkiye, 11 - 15 Ekim 2017, ss.1
- XXIII. **Structural, Magnetic and Magnetocaloric Properties of  $(\text{La}_{0.7}\text{Pr}_{0.3})_{0.85}\text{M}_{0.15}\text{MnO}_3$  (M= K and Ag) Perovskites**  
AKÇA G., AYAS A. O., CETIN S. K., EKİCİBİL A.  
2nd International Conference On Advances in Natural and Applied Sciences, Antalya, Türkiye, 18 - 21 Nisan 2017, ss.1
- XXIV. **Magnetocaloric properties of  $(\text{La}_{0.9}\text{Sm}_{0.1})_{0.85}\text{K}_{0.15}\text{MnO}_3$  manganite**  
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.  
1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.1
- XXV. **The effect of monovalent Ag and K cation on the magnetocaloric properties in  $(\text{La}_{0.9}\text{Pr}_{0.1})_{0.85}\text{A}_{0.15}\text{MnO}_3$  manganites (A= Ag,K)**  
AKÇA G., Ayas A. O., KILIÇ ÇETİN S., AKYOL M., EKİCİBİL A.  
1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.1
- XXVI. **Influence of rare earth ion doping on the structural, magnetic and magnetocaloric properties of  $(\text{La}_{1-x}\text{RE}_x)_{0.85}\text{K}_{0.15}\text{MnO}_3$  (x = 0 and 0.1; RE: Pr and Sm) manganites**  
EKİCİBİL A., AKÇA G., KILIÇ ÇETİN S.  
3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2016), Antalya, Türkiye, 19 - 24 Ekim 2016, ss.1
- XXVII.  **$(\text{La}_{1-x}\text{Sm}_x)_{0.85}\text{K}_{0.15}\text{MnO}_3$  Manganites: The Magnetic and Magnetocaloric Properties**  
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.  
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016, cilt.1, sa.1, ss.1
- XXVIII. **Magnetic and Magnetocaloric Properties of  $(\text{La}_{0.9}\text{Er}_{0.1})_{0.67}\text{Ba}_{0.33}\text{MnO}_3$  Perovskite Manganite**  
KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A.  
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016, cilt.1, sa.1, ss.1
- XXIX. **Indirect Measurement of the Magnetocaloric Effect in  $(\text{La}_{0.9}\text{Pr}_{0.1})_{0.85}\text{K}_{0.15}\text{MnO}_3$  Manganite**  
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.  
Turkish Physical Society 32nd International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2016
- XXX. **INDIRECT MEASUREMENT OF THE MAGNETOCALORIC EFFECT IN  $(\text{La}_{0.9}\text{Pr}_{0.1})_{0.85}\text{K}_{0.15}\text{MnO}_3$  MANGANITE**  
AKÇA G., EKİCİBİL A., KILIÇ ÇETİN S.  
Turkish Physical Society 32nd International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2016, ss.1
- XXXI. **THE STRUCTURAL, MAGNETIC AND MAGNETOCALORIC PROPERTIES OF  $\text{Pr}_{0.85}\text{K}_{0.15}\text{MnO}_3$  COMPOUND**  
AKÇA G., KILIÇ ÇETİN S., EKİCİBİL A.  
Turkish Physical Society 32nd International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2016, ss.1
- XXXII. **Magnetic susceptibility of Mn and Gd Co-Substituted ZnO Bulk Compounds**  
EKİCİBİL A., Bulcar K., AKYOL M., AKÇA G., Ayaş A. O., EKİCİBİL A., TOPAKSU M.  
Turkish Physical Society 32nd International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2016, cilt.1, sa.1, ss.346
- XXXIII.  **$(\text{La}_{1-x}\text{Pr}_x)_{0.85}\text{K}_{0.15}\text{MnO}_3$  (x = 0, 0.1, 0.2 ve 0.3) Manganitlerinin Yapısal, Manyetik ve Manyetokalorik Özelliklerinin Araştırılması**  
AKÇA G., KILIÇ S., EKİCİBİL A.

- YMF21 21.Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Türkiye, 25 Aralık 2015, cilt.1, ss.52
- XXXIV. **La ile Pr Yer Değiştirmesinin, (La<sub>1-x</sub>Pr<sub>x</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> (x = 0, 0.1 ve 0.2) Perovskit Manganitlerinin Yapısal, Manyetik ve Manyetokalorik Özellikleri Üzerine Etkisi**  
Ayaş A. O., AKYOL M., KILIÇ S., AKÇA G., EKİCİBİL A., ÖZÇELİK B.  
YMF21-21.Yoğun Madde Fiziği Ankara Toplantısı, Adana, Türkiye, 25 Aralık 2015, cilt.1, ss.49
- XXXV. **Investigation of structural, magnetic and magnetocaloric properties of (La<sub>1-x</sub>Pr<sub>x</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> (x = 0.0, 0.2)**  
AYAŞ A. O., AKYOL M., KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A., ÖZÇELİK B.  
20th International Conference on Magnetism, Barcelona, İspanya, 5 - 10 Temmuz 2015
- XXXVI. **Investigation of structural, magnetic and magnetocaloric properties of (La<sub>1-x</sub>Pr<sub>x</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> (x = 0.0, 0.2) perovskites**  
Ayaş A. O., AKYOL M., KILIÇ S., AKÇA G., EKİCİBİL A., Özçelik B.  
20th International Conference on Magnetism, Barcelona, Barcelona, İspanya, 5 - 10 Temmuz 2015, ss.1
- XXXVII. **The structural, magnetic and magnetocaloric properties of Pr<sub>0.85</sub>A<sub>0.15</sub>MnO<sub>3</sub> (A = K and Ag) manganites?**  
Akça G., Ayaş A. O., Kılıç S., Akyol M., Ekicibil A.  
9th International Conference on Magnetic and Superconducting Materials (MSM15), Antalya, Türkiye, 30 Nisan - 03 Mayıs 2015, ss.1
- XXXVIII. **Temperature and field dependence of thermally activated flux flow resistance in the Y<sub>3</sub>Ba<sub>5</sub>Cu<sub>8</sub>O<sub>18</sub> and Y<sub>3</sub>Ba<sub>5</sub>Ca<sub>2</sub>Cu<sub>8</sub>O<sub>18</sub> Superconductors**  
Ayaş A. O., AKYOL M., KILIÇ S., AKÇA G., EKİCİBİL A., Kıymac K.  
7th Asian Conference on Applied Superconductivity and Cryogenics, Nevşehir, Türkiye, 23 - 25 Ekim 2013, ss.1
- XXXIX. **Exploration of Thermally Activated Flux Flow in the Y<sub>3</sub>Ba<sub>5</sub>Cu<sub>8</sub>O<sub>18</sub> and Y<sub>3</sub>Ba<sub>5</sub>Ca<sub>2</sub>Cu<sub>8</sub>O<sub>18</sub> Superconductors**  
Ayaş A. O., AKYOL M., Akça G., Cetin S. K., EKİCİBİL A., Kıymac K., KILIÇ S.  
Joint European Magnetic Symposia 2013, Rhodes, Yunanistan, 25 - 29 Ağustos 2013, cilt.1, sa.2, ss.1
- XL. **Influence of Lityum-Holmiyum Co-Doped on Structural and Electrical Properties of BSCCO Superconductor**  
AKÇA G., KIYMAÇ K., EKİCİBİL A.  
International Conference on Superconductivity and Magnetism-ICSM 2012, İstanbul, Türkiye, 29 Nisan - 04 Mayıs 2012
- XLI. **Influence Of Lityum-Holmiyum Co-Doped On Structural And Electrical Properties of BPSCCO Superconductor**  
AKÇA G., EKİCİBİL A., Kıymac K.  
International Conference on Superconductivity and Magnetism-ICSM 2012, İstanbul, Türkiye, 29 Nisan - 04 Mayıs 2012, ss.1
- XLII. **(Li-Ho) Co-Intercalation on Microstructures And Electrical Properties Of Bi<sub>2</sub>Pb<sub>0.5</sub>Sr<sub>2</sub>Ca<sub>4</sub>Cu<sub>6</sub>(Li-Ho)<sub>x</sub>O<sub>y</sub> Superconductors**  
EKİCİBİL A., Demirdis S., Cetin S. K., Akça G., Ayaş A. O., Kıymac K.  
Turkish Physical Society, 26. International Physics Congress, Muğla, Türkiye, 24 - 27 Eylül 2009, ss.1

## Diğer Yayınlar

- I. **Genel Fizik III Laboratuvarı Deney Föyü**  
UFUKTEPE Y., KARAKILÇIK M., AKYOL M., AKÇA G., AKÇA S.  
Deney Föyü, ss.1, 2015
- II. **Dalgalar ve Optik Laboratuvarı Deney Klavuzu**  
UFUKTEPE Y., Topaklı H., Akgül F., Akgül G., KILIÇ ÇETİN S., AKÇA G., arlı E., baz z.  
Deney Föyü, ss.50, 2010
- III. **Mekanik Laboratuar Föyü**  
AKÇA G.  
Deney Föyü, ss.1, 2010

## Desteklenen Projeler

KILIÇ ÇETİN S., AKÇA G., KARADAĞ F., EKİCİBİL A., Yükseköğretim Kurumları Destekli Proje, LaNdSrMn<sub>1-x</sub>AxO<sub>3</sub> ve LaNdNaMn<sub>1-</sub>

$x\text{AxO}_3$  (A: Ni ve Bi) Manganit Bileşiklerinin Yapısal Manyetik ve Manyetokalorik Özelliklerinin İncelenmesi, 2023 - Devam Ediyor  
AKÇA G., EKİCİBİL A., KILIÇ ÇETİN S., Yükseköğretim Kurumları Destekli Proje,  $\text{PrCaBaMnO}_3$  ve  $\text{NdCaBaMnO}_3$  Manganit Bileşiklerinde Mangan Bölgesine Bi Katkısının Yapısal Manyetik Ve Manyetokalorik Özellikleri Üzerine Etkisinin İncelenmesi, 2020 - 2023

KILIÇ ÇETİN S., EKİCİBİL A., AKÇA G., Yükseköğretim Kurumları Destekli Proje,  $\text{La}_2\text{BiO}_5\text{A}_2\text{MnO}_3$  A Ca Ba Bileşiklerinde Mangan Bölgesine Rutenyum Katkısının Malzemelerin Manyetik ve Manyetokalorik Özellikleri Üzerine Etkisi, 2019 - 2022

Ekicibil A., Kılıç Çetin S., Akça G., Akyol M., Ayaş A. O., TÜBİTAK Projesi, Soğutucu Elemanı Olarak Kullanılabilecek  $\text{PrBaMn}_2\text{O}_6$  Manganit Bileşiklerinde Gd ve Ca Eklenmesinin Malzemenin Özelliklerine Etkisi ve Mühendislik Uygulamaları, 2020 - 2021

AKÇA G., EKİCİBİL A., Yükseköğretim Kurumları Destekli Proje,  $\text{LaTeMnO}/\text{LaCaSrMnO}$  Kompozit Malzemelerin Manyetik ve Manyetokalorik Özelliklerin İncelenmesi, 2018 - 2020

EKİCİBİL A., KILIÇ S., AKÇA G., AYAŞ A. O., AKYOL M., KARADAĞ F., Yükseköğretim Kurumları Destekli Proje, A bölgesine Tellür Te katkı ve B bölgesine Rutenyum Ru katkılı manganit bileşiklerin yapısal manyetik ve manyetokalorik özelliklerinin incelenmesi, 2015 - 2019

## Bilimsel Hakemlikler

Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, Karadeniz Teknik Üniversitesi, Türkiye, Eylül 2024

CERAMICS INTERNATIONAL, SCI Kapsamındaki Dergi, Nisan 2024

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, SCI Kapsamındaki Dergi, Mart 2024

PHASE TRANSITIONS, SCI-E Kapsamındaki Dergi, Temmuz 2023

JOURNAL OF PHYSICAL CHEMISTRY, SCI-E Kapsamındaki Dergi, Temmuz 2023

Tungsten, SCI Kapsamındaki Dergi, Haziran 2023

Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, Çukurova Üniversitesi, Türkiye, Aralık 2021

JOURNAL OF PHYSICS-CONDENSED MATTER, SCI Kapsamındaki Dergi, Ocak 2021

JOURNAL OF ALLOYS AND COMPOUNDS, SCI Kapsamındaki Dergi, Ekim 2020

Journal of Physics: Condensed Matter, SCI Kapsamındaki Dergi, Kasım 2019

Inorganic Chemistry, SSCI Kapsamındaki Dergi, Kasım 2019

Journal of Alloys and Compounds, SCI Kapsamındaki Dergi, Ocak 2019

Journal of Alloys and Compounds, SCI Kapsamındaki Dergi, Ekim 2018

Journal of Alloys and Compounds, SCI Kapsamındaki Dergi, Eylül 2017

Journal of Alloys and Compounds, SSCI Kapsamındaki Dergi, Nisan 2017

Journal of Alloys and Compounds, SCI Kapsamındaki Dergi, Haziran 2016

Journal of Alloys and Compounds, SCI Kapsamındaki Dergi, Nisan 2016

## Metrikler

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## Kongre ve Sempozyum Katılımı Faaliyetleri

Çukurova 8th International Scientific Researches Conference, Katılımcı, Adana, Türkiye, 2022

3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Katılımcı, Ankara, Türkiye, 2021

8th International conference on materials science and nanotechnology for next generation (MSNG2021), Katılımcı, Elazığ, Türkiye, 2021

3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Katılımcı, Adana, Türkiye, 2018

5th International conference on materials science and nanotechnology for next generation (MSNG2018), Katılımcı, Nevşehir,

Türkiye, 2018

International Conference on Condensed Matter and Material Sciences, Katılımcı, Adana, Türkiye, 2017

2nd International Mediterranean Science and Engineering Congress (IMSEC 2018), Katılımcı, Adana, Türkiye, 2017

1st International Mediterranean Science and Engineering Congress, 26-28 October 2016, Adana, Turkey., Katılımcı, Adana, Türkiye, 2016

2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS (WITAM-2016), Kırşehir, Turkey, 28 Eylül-02 Ekim 2016., Katılımcı, Kırşehir, Türkiye, 2016

Turkish Physical Society 32nd International Physics Congress, Katılımcı, Muğla, Türkiye, 2016

Yoğun Madde Fiziği Ankara Toplantısı, Katılımcı, Ankara, Türkiye, 2015

9th International Conference on Magnetic and Superconducting Materials, Katılımcı, Antalya, Türkiye, 2015

International Conference on Superconductivity and Magnetism-ICSM 2012., Katılımcı, İstanbul, Türkiye, 2012