

## Arş. Gör. Dr. MUSTAFA AKYOL

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: ABI-6020-2020

Yoksis Araştırmacı ID: 109195

### Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 2011 - 2016

Doktora, University of California, Los Angeles, Faculty Of Engineering (Dissertation Study), Electrical Engineering, Amerika Birleşik Devletleri 2013 - 2015

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 2009 - 2011

Lisans, Çukurova Üniversitesi, Fen-Edebiyat Fak., Fizik Bölümü, Türkiye 2004 - 2008

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, CURRENT-DRIVEN SPIN-ORBIT-TORQUE PHENOMENA IN PERPENDICULARLY MAGNETIZED HEAVY METAL|FERROMAGNET |INSULATOR MULTILAYER STRUCTURES, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Bölümü, 2016

Yüksek Lisans, GEÇİŞ METALİ Dy KATKILI Zn<sub>0.80</sub>-4yDyyO<sub>x</sub> BİLEŞİKLERİNİN YAPISAL VE MANYETİK ÖZELLİKLERİNİN ARAŞTIRILMASI, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Bölümü, 2011

### Araştırma Alanları

Fizik, Disiplinlerarası Fizik ve İlgili Bilim ve Teknoloji Alanları, Elektronik ve manyetik cihazlar, mikroelektronik, Yoğun Madde 2: Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Temel Bilimler

### Akademik Unvanlar / Görevler

Araştırma Görevlisi Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2016 - Devam Ediyor

Araştırma Görevlisi, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Bölümü, 2011 - 2016

Diğer, University of California, Los Angeles, Faculty Of Engineering , Electrical Engineering, 2013 - 2015

Araştırma Görevlisi, Van Yüzüncü Yıl Üniversitesi, Fen-Edebiyat Fak., Fizik Bölümü, 2011 - 2011

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

- I. **Effect of Ag-doping process into the yttrium iron garnet (Y<sub>3</sub>Fe<sub>5</sub>O<sub>12</sub>) thin films on the structural, magnetic and optical properties**  
Demiryürek N., Akyol M., KARADAĞ F., EKİCİBİL A.  
Journal of Materials Science: Materials in Electronics, cilt.35, sa.6, 2024 (SCI-Expanded)
- II. **Electronic and magnetic properties of boron substituted CuFeO<sub>2</sub> delafossite oxide**  
Ezircan A., Aslan M. S., Miyazaki H., Akyol M., Ozkendir O. M., EKİCİBİL A., Öztürk H.  
Philosophical Magazine, 2024 (SCI-Expanded)
- III. **Investigating the optical, electronic, magnetic properties and DFT of NiO films prepared using RF sputtering with various argon pressures**  
Hopoglu H., KAYA D., Maslov M., Kaya S., Demir L., Altuntas I., Ugan F., AKYOL M., EKİCİBİL A., Tüzemen E.  
PHYSICA B-CONDENSED MATTER, cilt.661, 2023 (SCI-Expanded)
- IV. **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)
- V. **Strong magnetic coupling in MnO delta nanoparticles by doping Boron**  
Demiryurek N., Kivrak B., Akyol M., EKİCİBİL A.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1224, 2021 (SCI-Expanded)
- VI. **Effect of B site partial Ru substitution on structural magnetic and magnetocaloric properties in La<sub>0.7</sub>Pb<sub>0.3</sub>Mn<sub>1-x</sub>Ru<sub>x</sub>O<sub>3</sub> (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)
- VII. **Structural, magnetic and optical properties of Au/YIG, YIG/Au and Au/YIG/Au multilayer thin film stacks**  
Akyol M., Demiryurek N., Iloglu O., Tumen K. U., Karadağ F., Ekicibil A.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.493, 2020 (SCI-Expanded)
- VIII. **Structural, electronic and magnetic properties of Mn doped ZnO nanoplates synthesized by electrodeposition method**  
KICIR N., TÜKEN T., AKYOL M., EKİCİBİL A., UFKTEPE Y.  
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, cilt.237, 2019 (SCI-Expanded)
- IX. **Effect of boron content on structure and magnetic properties in CoFe<sub>2</sub>O<sub>4</sub> spinel nanocrystals**  
Akyol M., Adanur I., Ayas A. O., KARADAĞ F., EKİCİBİL A.  
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.744, ss.528-534, 2018 (SCI-Expanded)
- X. **Effect of reducing agent and surfactant on the morphology, structural and magnetic properties of Ni magnetic nanoparticles**  
Adanur I., Akyol M., EKİCİBİL A.  
PHILOSOPHICAL MAGAZINE LETTERS, cilt.98, sa.8, ss.319-329, 2018 (SCI-Expanded)
- XI. **Structural, optical and magnetic properties of CdZnS and Ni:CdZnS nanoparticles**  
HOROZ S., AKYOL M., EKİCİBİL A., ŞAHİN Ö.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.28, sa.23, ss.18193-18199, 2017 (SCI-Expanded)
- XII. **Magnetic field dependence of magnetic coupling in CoCr<sub>2</sub>O<sub>4</sub> nanoparticles**  
AKYOL M., Adanur I., Ayas A. O., EKİCİBİL A.  
PHYSICA B-CONDENSED MATTER, cilt.525, ss.144-148, 2017 (SCI-Expanded)
- XIII. **Effect of Monovalent Cation Doping on Structural, Magnetic, and Magnetocaloric Properties of Pr<sub>0.85</sub>A<sub>0.15</sub>MnO<sub>3</sub> (A = Ag and 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)

- XIV. **Thermally activated flux mechanism in Mg-doped InN epitaxial film**  
Güneş M., AKYOL M., EKİCİBİL A., Tiras E.  
PHILOSOPHICAL MAGAZINE, cilt.97, sa.28, ss.2564-2574, 2017 (SCI-Expanded)
- XV. **Room temperature magnetocaloric effect in Pr<sub>1.75</sub>Sr<sub>1.25</sub>Mn<sub>2</sub>O<sub>7</sub> double-layered perovskite manganite system**  
Ayas A. O., AKYOL M., Cetin S., Kaya M., Dincer I., EKİCİBİL A., Elerman Y.  
PHILOSOPHICAL MAGAZINE, cilt.97, sa.9, ss.671-682, 2017 (SCI-Expanded)
- XVI. **Effect of Monovalent Cation Doping on Structural, Magnetic, and Magnetocaloric Properties of Pr<sub>0.85</sub>A<sub>0.15</sub>MnO<sub>3</sub> (A = Ag and K) Manganites**  
AKÇA G., Ayas A. O., KILIÇ ÇETİN S., AKYOL M., EKİCİBİL A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.1, ss.1-11, 2016 (SCI-Expanded)
- XVII. **Effect of heavy metal layer thickness on spin-orbit torque and current-induced switching in Hf broken vertical bar CoFeB broken vertical bar MgO structures**  
Akyol M., Jiang W., Yu G., Fan Y., Güneş M., EKİCİBİL A., Amiri P. K., Wang K. L.  
APPLIED PHYSICS LETTERS, cilt.109, sa.2, 2016 (SCI-Expanded)
- XVIII. **Competing effect of spin-orbit torque terms on perpendicular magnetization switching in structures with multiple inversion asymmetries**  
Yu G., Akyol M., Upadhyaya P., Li X., He C., Fan Y., MONTAZERI M., Alzate J. G., LANG M., Wong K. L., et al.  
SCIENTIFIC REPORTS, cilt.6, 2016 (SCI-Expanded)
- XIX. **Structural and magnetic properties with large reversible magnetocaloric effect in (La<sub>1-x</sub>Pr<sub>x</sub>) (0.85)Ag<sub>0.15</sub>MnO<sub>3</sub> (0.0 ≤ x ≤ 0.5) compounds**  
Ayas A. O., AKYOL M., EKİCİBİL A.  
PHILOSOPHICAL MAGAZINE, cilt.96, sa.10, ss.922-937, 2016 (SCI-Expanded)
- XX. **Electric-field control of spin-orbit torque in a magnetically doped topological insulator**  
Fan Y., KOU X., Upadhyaya P., Shao Q., PAN L., LANG M., CHE X., TANG J., MONTAZERI M., MURATA K., et al.  
NATURE NANOTECHNOLOGY, cilt.11, sa.4, ss.352-359, 2016 (SCI-Expanded)
- XXI. **Microstructural and magnetic properties of A(x):Zn<sub>1-x</sub>O (A=Mn, Gd and Mn/Gd) nanocrystals**  
AKYOL M., Cetin S., EKİCİBİL A.  
PHILOSOPHICAL MAGAZINE, cilt.96, sa.1, ss.31-44, 2016 (SCI-Expanded)
- XXII. **Electric-Field-Controlled Magnetoelectric RAM: Progress, Challenges, and Scaling**  
Amiri P. K., Alzate J. G., Cai X. Q., Ebrahimi F., Hu Q., Wong K., Grezes C., Lee H., Yu G., Li X., et al.  
IEEE TRANSACTIONS ON MAGNETICS, cilt.51, sa.11, 2015 (SCI-Expanded)
- XXIII. **Thermally stable voltage-controlled perpendicular magnetic anisotropy in Mo vertical bar CoFeB vertical bar MgO structures**  
Li X., Yu G., Wu H., Ong P. V., Wong K., Hu Q., Ebrahimi F., Upadhyaya P., Akyol M., Kioussis N., et al.  
APPLIED PHYSICS LETTERS, cilt.107, sa.14, 2015 (SCI-Expanded)
- XXIV. **Effect of Ca doping on thermally activated flux flow in the Y<sub>3</sub>Ba<sub>5</sub>Cu<sub>8</sub>O<sub>18</sub> 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. **AC-magnetic susceptibility of Dy doped ZnO compounds**  
AKYOL M., EKİCİBİL A., Kiyamac K.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.385, ss.65-69, 2015 (SCI-Expanded)
- XXVI. **Magnetocaloric Properties of La<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> and (La<sub>0.80</sub>Pr<sub>0.20</sub>)(0.85)Ag<sub>0.15</sub>MnO<sub>3</sub> 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)
- XXVII. **Current-induced spin-orbit torque switching of perpendicularly magnetized Hf vertical bar CoFeB vertical bar MgO and Hf vertical bar CoFeB vertical bar TaOx structures**  
Akyol M., Yu G., Alzate J. G., Upadhyaya P., Li X., Wong K. L., EKİCİBİL A., Amiri P. K., Wang K. L.  
APPLIED PHYSICS LETTERS, cilt.106, sa.16, 2015 (SCI-Expanded)
- XXVIII. **Effect of the oxide layer on current-induced spin-orbit torques in Hf vertical bar CoFeB vertical bar MgO and Hf vertical bar CoFeB vertical bar TaOx structures**

- Akyol M., Alzate J. G., Yu G., Upadhyaya P., Wong K. L., EKİCİBİL A., Amiri P. K., Wang K. L.  
APPLIED PHYSICS LETTERS, cilt.106, sa.3, 2015 (SCI-Expanded)
- XXIX. **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)
- XXX. **Current-driven perpendicular magnetization switching in Ta/CoFeB/[TaOx or MgO/TaOx] films with lateral structural asymmetry**  
Yu G., Chang L., Akyol M., Upadhyaya P., He C., Li X., Wong K. L., Amiri P. K., Wang K. L.  
APPLIED PHYSICS LETTERS, cilt.105, sa.10, 2014 (SCI-Expanded)
- XXXI. **Effect of Tungsten (W) Substitution on the Physical Properties of Bi-(2223) Superconductors**  
Turk N., Gundogmus H., AKYOL M., Yakinci Z. D., EKİCİBİL A., ÖZÇELİK B.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.27, sa.3, ss.711-716, 2014 (SCI-Expanded)
- XXXII. **DC Magnetic Properties of the Ho doped ZnO Compounds**  
AKYOL M., EKİCİBİL A., Kiyamac K.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.26, sa.11, ss.3257-3262, 2013 (SCI-Expanded)
- XXXIII. **The Structural and Magnetic Properties of Zn<sub>0.8-4x</sub>Dy<sub>x</sub>O<sub>y</sub> (0.05 ≤ x ≤ 0.10) Compounds Prepared by Solid-State Reactions**  
AKYOL M., EKİCİBİL A., Firat T., Kiyamac K.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.26, sa.7, ss.2439-2445, 2013 (SCI-Expanded)
- XXXIV. **The effects of choice feeding and season on the feeding behaviour and growth performance of calves**  
Gorgulu M., AKYOL M., Boga M., Goncu S.  
JOURNAL OF ANIMAL AND FEED SCIENCES, cilt.21, sa.2, ss.263-275, 2012 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Effect of Eu Doping on the Structural, Magnetic and Magnetocaloric Properties in La<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub>**  
AKYOL M.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.33, sa.1, ss.143-150, 2018 (Hakemli Dergi)
- II. **GEÇİŞ METALİ Dy KATKILI Zn<sub>0.80-4y</sub>Dy<sub>y</sub>O<sub>x</sub> BİLEŞİKLERİNİN YAPISAL VE MANYETİK ÖZELLİKLERİNİN ARAŞTIRILMASI**  
AKYOL M., EKİCİBİL A., Kiyamac K.  
Ç.Ü Fen ve Mühendislik Bilimleri Dergisi, cilt.26, ss.173-182, 2011 (Hakemli Dergi)
- III. **eçiş Metali Dy Katkılı Zn<sub>0.80-4y</sub>Dy<sub>y</sub>O<sub>x</sub> Bileşiklerinin Yapısal ve Manyetik Özelliklerinin Araştırılması**  
AKYOL M., EKİCİBİL A., KIYMAÇ K.  
Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, 2011 (Hakemli Dergi)
- IV. **Kızılyüksek Krom Yatağına (Aladağ) Ait Rezerv ve İşletme Yönteminin Belirlenmesi**  
AKYOL M., KILIÇ A. M.  
Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, cilt.22, sa.1, ss.148-158, 2009 (Hakemli Dergi)

## **Kitap & Kitap Bölümleri**

- I. **Transport Properties of Superconducting Materials**  
EKİCİBİL A., KARADAĞ F., KILIÇ ÇETİN S., AYAŞ 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. **Magnetic Properties of NiGe/Au/C60 Thin Films at 5 K**  
KAYA D., AKYOL M., WANG Y., GUO Q., KARADAĞ F., EKİCİBİL A.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), 16 - 18 Ekim 2019
- II. **Synthezing and Characterization of MnO Nanoparticles (NPs)**  
Demiyürek N., Adanur İ., AKYOL M., EKİCİBİL A.  
5th International conference on materials science and nanotechnology for next generation(MSNG2018), 4 - 06 Ekim 2018
- III. **Spin-Orbit Torque Driven Magnetization Switching in Metal-based Multilayer Structures**  
AKYOL M.  
Science and Applications of Thin Films, Conference Exhibition (SATF 2018), 17 - 21 Eylül 2018
- IV. **Spin-Orbit Torques in Metal Layers**  
AKYOL M.  
5th International conference on materials science and nanotechnology for next generation(MSNG2018), 4 - 06 Ekim 2018
- V. **Effect of Deposition Pressure and Power on the Perpendicular Magnetic Anisotropy in Hf/CoFeB/MgO Multilayer Structure**  
AKYOL M., EKİCİBİL A.  
Science and Applications of Thin Films, Conference Exhibition (SATF 2018), 17 - 21 Eylül 2018
- VI. **YIG Film Grown on Quartz by Spin-Coating**  
EKİCİBİL A., DEMİYÜREK N., Adanur İ., KARADAĞ F., AKYOL M.  
Science and Applications of Thin Films, Conference Exhibition (SATF 2018), 17 - 21 Eylül 2018
- VII. **Magnetic Properties of Perovskite (La<sub>0.9</sub>Dy<sub>0.1</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> 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
- VIII. **Structural Investigation of (La<sub>0.8</sub>Gd<sub>0.2</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> Compound**  
AYAS A. O., AKYOL M., EKİCİBİL A.  
8th International Advanced Technologies Symposium, Elazığ, Türkiye, 19 - 22 Ekim 2017, ss.1
- IX. **Synthesizng and Characterization of Ni<sub>1-x</sub>B<sub>x</sub>/NiO<sub>y</sub> (x=0.0 and 0.05) Core/Shell Magnetic Nanoparticles (MNPs)**  
AKYOL M., Adanur İ., EKİCİBİL A.  
International Conference on Condensed Matter and Materials science, 11 - 15 Ekim 2017
- X. **Magnetic and Magnetocaloric Properties of (La<sub>0.8</sub>Gd<sub>0.2</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> Compound**  
AYAS A. O., AKYOL M., EKİCİBİL A.  
International Conference on Condensed Matter and Material Sciences, Adana, Türkiye, 11 - 15 Ekim 2017, ss.1
- XI. **Structural, Optical and Magnetic Properties of Co (5): CdZnS Nanoparticles**  
HOROZ S., AKYOL M., EKİCİBİL A., ŞAHİN Ö.  
4th International Conference On Materials Science and Nanotechnology For Next Generation, 28 - 30 Haziran 2017
- XII. **Non-volatile Spintronics: Current-Induced Spin-Orbit Torque Phenomena**  
AKYOL M.  
4th International Conference On Materials Science and Nanotechnology For Next Generation, 28 - 30 Haziran 2017
- XIII. **Effect of Boron on Structural and Magnetic Properties in Co(Cr<sub>1-x</sub>B<sub>x</sub>)<sub>2</sub>O<sub>4</sub> (x=0.0, 0.1) Multiferroic Spinel Nanoparticles**  
Adanur İ., AKYOL M., EKİCİBİL A.  
4th International Conference On Materials Science and Nanotechnology For Next Generation, 28 - 30 Haziran 2017
- XIV. **Influence of La Substitution on Structural, Magnetic and Magnetocaloric Properties in (La<sub>0.3</sub>Pr<sub>0.7</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> Manganite Sample**  
AYAS A. O., AKYOL M., EKİCİBİL A.  
4th International Conference On Materials Science and Nanotechnology for Next Generation (Msnsg2017), Sarajevo, Bosna-Hersek, 28 - 30 Haziran 2017, ss.1

- XV. **Pr<sub>1.75</sub>Sr<sub>1.25</sub>Mn<sub>2</sub>O<sub>7</sub> Double-Layered Perovskite Manganite System: Structural, Magnetic and Magnetocaloric Properties**  
 AYAS A. O., AKYOL M., CETIN S. K., KAYA M., DINÇER İ., EKİCİBİL A., ELERMAN Y.  
 4th International Conference On Materials Science and Nanotechnology for Next Generation (Msg2017), Sarajevo, Bosna-Hersek, 28 - 30 Haziran 2017, ss.1
- XVI. **Determination of potential use of Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:Ag,Tb for dosimetry purposes using OSL technique**  
 Özdemir A., Güçkan V., Altunal V., Depçi T., NUR N., KURT K., AKYOL M., TUKEN T., Hereytani E. B., İflazoğlu S., et al.  
 3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Türkiye, 10 - 12 Mayıs 2017, ss.154
- XVII. **Structural Properties of (La<sub>0.9</sub>Gd<sub>0.1</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> Manganite Compound**  
 AYAS A. O., AKYOL M., EKİCİBİL A.  
 2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, Antalya, Türkiye, 18 - 21 Nisan 2017, ss.1
- XVIII. **Study of Exchange Bias Effect in CoCr<sub>2</sub>O<sub>4</sub> Multiferroic Spinel Nanoparticles**  
 AKYOL M., Adanur İ., AYAS A. O., EKİCİBİL A.  
 2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, Antalya, Türkiye, 18 - 21 Nisan 2017, ss.1
- XIX. **Effect of Partial Gd Substitution on Structural, Magnetic and Magnetocaloric Properties in (La<sub>0.7</sub>Gd<sub>0.3</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> Manganite Compound**  
 AYAS A. O., AKYOL M., EKİCİBİL A.  
 2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, Antalya, Türkiye, 18 - 21 Nisan 2017, ss.1
- XX. **Effect of Boron Doping on the Structure and Magnetic Property of Co(Fe<sub>1-x</sub>B<sub>x</sub>)<sub>2</sub>O<sub>4</sub> (x=0.0 and 0.15) Multiferroic Spinel Nanoparticles**  
 AKYOL M., Adanur İ., KARADAĞ F., EKİCİBİL A.  
 2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, Antalya, Türkiye, 18 - 21 Nisan 2017, ss.1
- XXI. **Magnetic Cooling Technology and Magnetic Cooling Performance of (La<sub>1-x</sub>Pr<sub>x</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> (x = 0.8, 0.9 and 1.0) Materials**  
 Ayaş A. O., AKYOL M., EKİCİBİL A.  
 1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.1
- XXII. **The Effect of Sintering Temperature on Magnetic and Luminescence Characteristics of Beryllium Oxide**  
 Altunal V., AKYOL M., Özdemir A., Güçkan V., EKİCİBİL A., YEĞİNGİL Z.  
 1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.1
- XXIII. **The effect of monovalent Ag and K cation on the magnetocaloric properties in (La<sub>0.9</sub>Pr<sub>0.1</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> 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
- XXIV. **Transmission Electron Microscope (TEM) Study of Hf|CoFeB|MgO Multilayer Structure**  
 AKYOL M., EKİCİBİL A.  
 1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.1
- XXV. **Synthesizing of Multiferroic Spinel CoFe<sub>2</sub>O<sub>4</sub> Nanoparticle**  
 Adanur İ., AKYOL M., KARADAĞ F., EKİCİBİL A.  
 1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.1
- XXVI. **Surface Roughness Dependence of Perpendicular Magnetic Anisotropy**  
 AKYOL M., EKİCİBİL A.  
 3th International Nanoscience and Nanotechnology for Next Generation (NaNNG) 2016, Antalya, Türkiye, 20 - 22 Ekim 2016, ss.1
- XXVII. **Current-induced spin-orbit torques in TaO<sub>x</sub> and MgO capped structures**  
 AKYOL M., Amiri P. K., EKİCİBİL A., Wang K. L.

- 3th International Nanoscience and Nanotechnology for Next Generation (NaNNG) 2016, Antalya, Türkiye, 20 - 22 Ekim 2016, ss.99
- XXVIII. **Multiferroic Spinel CoA<sub>2</sub>O<sub>4</sub> (A:Cr, Fe) Nanoparticles: Structural and Magnetic Properties**  
AKYOL M., Adanur İ., KARADAĞ F., EKİCİBİL A.  
3th International Nanoscience and Nanotechnology for Next Generation (NaNNG) 2016, Antalya, Türkiye, 20 - 22 Ekim 2016, ss.86
- XXIX. **The Effect of Sintering Temperature on Magnetic and Luminescence Characteristics of Beryllium Oxide**  
ALTUNAL V., AKYOL M., ÖZDEMİR A., GÜÇKAN V., EKİCİBİL A., YEĞİNGİL Z.  
1st International Mediterranean Science and Engineering Congress, 26 Ekim - 28 Eylül 2016
- XXX. **Defect-Mediated Ferromagnetism in Mn/Gd doped ZnO Nanocrystals**  
AKYOL M., KILIÇ ÇETİN S., Candan İ., EKİCİBİL A.  
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016, ss.1
- XXXI. **Defect-Mediated Ferromagnetism in Mn/Gd doped ZnO Nanocrystals**  
AKYOL M., KILIÇ ÇETİN S., Candan İ., EKİCİBİL A.  
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, Kırşehir, Türkiye, 28 Eylül - 02 Ekim 2016, ss.1
- XXXII. **Determination of longitudinal optical phonon energy of GaAs<sub>1-x</sub>Bix quantum wells (QWs) grown on various orientations by MBE**  
AKYOL M., Pesen E., Güneş M.  
Science & Applications of Thin Films, Conference & Exhibition 2016, İzmir, Türkiye, 19 - 23 Eylül 2016, ss.1
- XXXIII. **The superconductivity in Mg-doped InN grown by Molecular Beam Epitaxy**  
Güneş M., AKYOL M., EKİCİBİL A.  
Science & Applications of Thin Films, Conference & Exhibition 2016, İzmir, Türkiye, 19 - 23 Eylül 2016, ss.1
- XXXIV. **Magnetic Properties and Magnetocaloric Effect in (La<sub>1-x</sub>Pr<sub>x</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> (0.0, 0.1, 0.3, 0.5, 1.0) Perovskites**  
Ayaş A. O., AKYOL M., EKİCİBİL A.  
Turkish Physical society 32nd International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2016, ss.1
- XXXV. **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
- XXXVI. **Current Induced Perpendicular Magnetization Switching by Spin Orbit Torque in Structure Inversion Asymmetry**  
AKYOL M., Amiri P. K., EKİCİBİL A., Wang K. L.  
12th International NanoScience and NanoTechnology Conference, 3 - 05 Haziran 2016
- XXXVII. **Current Induced Perpendicular Magnetization Switching by Spin Orbit Torque in Structure Inversion Asymmetry**  
AKYOL M., Amiri P. K., EKİCİBİL A., Wang K. L.  
12th International NanoScience and NanoTechnology Conference, 3 - 05 Haziran 2016
- XXXVIII. **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> (0.0, 0.2, 0.4, 0.6, 0.8 1.0) manganites**  
Ayaş A. O., AKYOL M., EKİCİBİL A.  
12th International NanoScience and NanoTechnology Conference, Kocaeli, Türkiye, 3 - 05 Haziran 2016, ss.182
- XXXIX. **Fundamentals of Spintronics in Metal-Based Systems**  
AKYOL M., EKİCİBİL A.  
IV. YUKPOP WINTER SCHOOL INTERNATIONAL VACUUM WORKSHOP, Afyon, Türkiye, 28 - 30 Mart 2016, ss.201
- XL. **Effect of Sintering Temperature on the Size of Multiferroic Spinel Nanoparticles**  
Adanur İ., AKYOL M., EKİCİBİL A.  
IV. YUKPOP WINTER SCHOOL INTERNATIONAL VACUUM WORKSHOP, Afyon, Türkiye, 28 - 30 Mart 2016, ss.184
- XLI. **Film Yüzeyine Dik Oluşan Manyetik Anizotropinin CoFeB Tabaka Kalınlığına Bağlılığı**

AKYOL M., Amiri P. K., EKİCİBİL A., Wang K. L.

Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Türkiye, 25 Aralık 2015, ss.54

- XLII. **La ile Pr Yer Değiştirmesinin  $La_{1-x}Pr_xO_{0.85}Ag_0.15MnO_3$  ( $x = 0, 0.1$  ve  $0.2$ ) Perovskit Manganitlerinin Yapısal Manyetik ve Manyetokalorik Özellikleri Üzerine Etkisi**  
AKÇA G., KILIÇ ÇETİN S., AKYOL M., AYAŞ A. O., EKİCİBİL A., ÖZÇELİK B.  
Ankara 21. Yoğun Madde Fiziği Toplantısı, Türkiye, 25 Aralık 2015
- XLIII. **La ile Pr Yer Değiştirmesinin,  $(La_{1-x}Pr_x)_{0.85}Ag_{0.15}MnO_3$  ( $x = 0, 0.1$  ve  $0.2$ ) Perovskit Manganitlerinin Yapısal, Manyetik ve Manyetokalorik Özellikleri Üzerine Etkisi**  
Ayas A. O., AKYOL M., KILIÇ S., AKÇA G., EKİCİBİL A., ÖZÇELİK B.  
YMF21-21.Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Türkiye, 25 Aralık 2015, cilt.1, ss.49
- XLIV. **La ile Pr Yer Değiştirmesinin,  $(La_{1-x}Pr_x)_{0.85}Ag_{0.15}MnO_3$  ( $x = 0, 0.1$  ve  $0.2$ ) Perovskit Manganitlerinin Yapısal, Manyetik ve Manyetokalorik Özellikleri Üzerine Etkisi**  
Ayas 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
- XLV. **The Structural and Magnetic Properties of  $Zn_{0.8-4x}HoxO_y$  Compounds Prepared by Solid State Reactions**  
Akyol M., Ekicibil A.  
International Congress of Advanced and Functional Material Technologies - AFMAT 2015, Antalya, Türkiye, 26 - 28 Ekim 2015, ss.1
- XLVI. **VOLTAGE CONTROL OF MAGNETIZATION IN FEPD NANOCRYSTALS FOR THE NEXT GENERATION OF MAGNETOELECTRIC MEMORY IN TANMS**  
Robbenolt S., AKYOL M., Li X., Amiri P. K., Wang K. L., Tolbert S. H.  
XXIV INTERNATIONAL MATERIALS RESEARCH CONGRESS 2015, Cancun, Meksika, 16 - 20 Ağustos 2015, ss.227
- XLVII. **Investigation of structural, magnetic and magnetocaloric properties of  $(La_{1-x}Pr_x)_{0.85}Ag_{0.15}MnO_3$  ( $x = 0.0, 0.2$ ) perovskites**  
Ayaş A. O., AKYOL M., KILIÇ S., AKÇA G., EKİCİBİL A., Özçelik B.  
20th International Conference on Magnetism, Barcelona, İspanya, 5 - 10 Temmuz 2015, ss.1
- XLVIII. **Investigation of Structural, Magnetic And Magnetocaloric Properties of  $(La_{1-x}Pr_x)_{0.85}Ag_{0.15}MnO_3$  ( $x = 0.0, 0.2$ ) Perovskites**  
Ayaş A. O., AKYOL M., EKİCİBİL A.  
20th International Conference on Magnetism, Barcelona, İspanya, 5 - 10 Temmuz 2015, ss.1
- XLIX. **Current-Driven Magnetization Switching via Spin-Orbit Torque in Perpendicularly Magnetized  $Hf/CoFeB/(MgO$  or  $TaO_x)$  Films with Structural Asymmetry**  
AKYOL M., Yu G., Alzate J. G., Upadhyaya P., Li X., Wong K. L., EKİCİBİL A., Amiri P. K., Wang K. L.  
20th International Conference on Magnetism, Barcelona, İspanya, 5 - 10 Temmuz 2015, ss.1
- L. **Investigation of structural, magnetic and magnetocaloric properties of  $(La_{1-x}Pr_x)_{0.85}Ag_{0.15}MnO_3$  ( $x = 0.0, 0.2$ )**  
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
- LI. **Electric Manipulation of Skyrmions in Metals and Insulators**  
Hoffmann A., Jiang W., Upadhyaya P., Yang Q., Yu G., Wong K. L., AKYOL M., Velthuis S. G. E. t., Wang Z., Wang K. L.  
IEEE International Magnetic Conference, Beijing, Çin, 11 - 15 Mayıs 2015, ss.1
- LII. **The structural, magnetic and magnetocaloric properties of  $Pr_{0.85}A_{0.15}MnO_3$  ( $A = K$  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
- LIII. **The structural, magnetic and magnetocaloric properties of  $Pr_{0.85}A_{0.15}MnO_3$  ( $A = K$  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

- LIV. **Investigation of structural properties and magnetocaloric effect of Pr<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> Perovskite Compound**  
Ayaş A. O., Akyol M., Kılıç S., Akça G., Ekicibil A., Özçelik B.  
9th International Conference on Magnetic and Superconducting Materials (MSM15), Antalya, Türkiye, 30 Nisan - 03 Mayıs 2015, ss.1
- LV. **Spin-Orbitronics: Current-Induced Magnetization Switching by Spin-Orbit Torque**  
AKYOL M.  
9th International Conference on Magnetic and Superconducting Materials (Invited), Antalya, Türkiye, 30 Nisan - 03 Mayıs 2015, ss.1
- LVI. **Investigation of Structural Properties and Magnetocaloric Effect of Pr<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> Perovskite Compound**  
Ayaş A. O., AKYOL M., KILIÇ ÇETİN S., AKÇA G., EKİCİBİL A., ÖZÇELİK B.  
9th International Conference on Magnetic and Superconducting Materials (MSM15), Antalya, Türkiye, 30 Nisan - 05 Mayıs 2015, cilt.1, sa.1, ss.45
- LVII. **Microstructural and magnetic properties of Mn/Gd-substituted ZnO?**  
AKYOL M., KILIÇ S., EKİCİBİL A.  
9th International Conference on Magnetic and Superconducting Materials (MSM15), Antalya, Türkiye, 30 Nisan - 03 Mayıs 2015, ss.1
- LVIII. **"Investigation of structural properties and magnetocaloric effect of Pr<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> Perovskite Compound"**  
Ayaş A. O., AKYOL M., KILIÇ S., AKÇA G., EKİCİBİL A.  
9th International Conference on Magnetic and Superconducting Materials (MSM15), Antalya, Türkiye, 30 Nisan - 03 Mayıs 2015, ss.1
- LIX. **Microstructural and magnetic properties of Mn/Gd-substituted ZnO**  
Akyol M., Kılıç S., Ekicibil A.  
9th International Conference on Magnetic and Superconducting Materials (MSM15), Antalya, Türkiye, 30 Nisan - 03 Mayıs 2015, ss.1
- LX. **Manipulation of Skyrmions in a Magnetic Insulator via Current**  
Jiang W., Upadhyaya P., Yang Q., Yu G., Wang Z., Tang J., Wong K. L., AKYOL M., Chang L., Lang M., et al.  
59th Annual Magnetism & Magnetic Materials Conference, 3 - 07 Kasım 2014, ss.1
- LXI. **Spin-orbit torque-driven perpendicular magnetization switching in systems with structural asymmetry**  
Yu G., AKYOL M., Upadhyaya P., Li X., He C., Fan Y., Alzate J. G., Lang M., Wong K. L., Tserkovnyak Y., et al.  
59th Annual Magnetism & Magnetic Materials Conference, 3 - 07 Kasım 2014, ss.1
- LXII. **Effect of seed layer thickness on the perpendicular magnetic anisotropy and spin-orbit-torque driven switching in Hf/CoFeB/MgO structure**  
AKYOL M., Yu G., Jiang W., Alzate J. G., Amiri P. K., EKİCİBİL A., Wang K. L.  
Science & Applications of Thin Films, Conference & Exhibition, İzmir, Türkiye, 15 - 19 Eylül 2014, ss.1
- LXIII. **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., Cetin S. K., Akça G., EKİCİBİL A., Kiymac K., KILIÇ S.  
7th Asian Conference on Applied Superconductivity and Cryogenics, Nevşehir, Türkiye, 23 Ekim 2013, cilt.1, sa.2, ss.1
- LXIV. **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., Kiymac K.  
7th Asian Conference on Applied Superconductivity and Cryogenics, Nevşehir, Türkiye, 23 - 25 Ekim 2013, ss.1
- LXV. **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., Kiymac K., KILIÇ S.

- Joint European Magnetic Symposia 2013, Rhodes, Yunanistan, 25 - 29 Ağustos 2013, cilt.1, sa.2, ss.1
- LXVI. **Exploration of Thermally Activated Flux Flow in the Y3Ba5Cu8O18 and Y3Ba5Ca2Cu8O18 Superconductors**  
Ayaş A. O., AKYOL M., EKİCİBİL A., Kıymac K., KILIÇ S., AKÇA G.  
Joint European Magnetic Symposia 2013, Rhodes, Yunanistan, 25 - 30 Ağustos 2013, ss.1
- LXVII. **AC-Susceptibility Measurements in Zn0.80-4xDyxOy Samples**  
EKİCİBİL A., AKYOL M., Kıymac K.  
International Conference on Superconductivity and Magnetism-ICSM 2012, İstanbul, Türkiye, 29 Nisan - 04 Mayıs 2012, cilt.1, sa.2, ss.1
- LXVIII. **AC Susceptibility Measurements in Zn0.80-4yDyyOx Samples**  
AKYOL M., EKİCİBİL A., Kıymac K.  
3rd International Conference on Superconductivity and Magnetism, İstanbul, Türkiye, 29 Nisan - 04 Mayıs 2012, ss.1
- LXIX. **Use of Some Microorganisms as Bio-Fertilizers in Soilless Grown Squash for Saving Chemical Nutrients**  
DAŞGAN H. Y., Aydoner G., AKYOL M.  
28th International Horticultural Congress on Science and Horticulture for People (IHC) / International Symposium on Greenhouse and Soilless Cultivation / International Symposium on Advances in Ornamentals, Landscape and Urban Horticulture, Lisbon, Portekiz, 22 - 27 Ağustos 2010, cilt.927, ss.155-162
- LXX. **Magnetism in Zn0.80-4yDyyOx (0.05?y?0.10) Samples Prepared By Solid State Reactions**  
AKYOL M., EKİCİBİL A., Kıymac K.  
2nd International Workshop on Condensed Matter and Material Physics, Antalya, Türkiye, 27 - 31 Aralık 2011, ss.1
- LXXI. **Structural And Magnetic Properties of Zn0.80-4yDyyOx (0.05?y?0.10) Bulk Samples Prepared By Solid State Reactions**  
AKYOL M., EKİCİBİL A., Kıymac K., KILIÇ S.  
Turkish Physical Society, 28th International Physics Congress, Muğla, Türkiye, 6 - 09 Eylül 2011, ss.1
- LXXII. **Structural And Magnetic Properties of Zn0.80-4yDyyOx (0.05 ? y ? 0.10) Bulk Samples Prepared By Solid State Reactions**  
AKYOL M., EKİCİBİL A., Cetin S. K., Kıymac K., KILIÇ S.  
Turkish Physical Society, 28. International Physics Congress, Muğla, Türkiye, 5 - 09 Eylül 2011, cilt.1, sa.2, ss.1

## **Diğer Yayınlar**

- I. **Ç.Ü. FEF Ders Notu Genel Fizik III Laboratuvarı**  
UFUKTEPE Y., KARAKILÇIK M., YÜKSEL M., AKYOL M., AKÇA G., AKÇA S., GÜRSUL M., ŞEKER(ZAİMOĞLU) Z., ÇETİN G., YEĞEN S. B., et al.  
Ders Notu, ss.145, 2015
- II. **Genel Fizik III Laboratuvarı**  
UFUKTEPE Y., Karakılçık M., YÜKSEL M., AKYOL M., AKÇA G., AKÇA S., GÜRSUL M., ŞEKER(ZAİMOĞLU) Z., ÇETİN G., Balcı Yegen S., et al.  
Deney Föyü, ss.1, 2015
- III. **Genel Fizik III Laboratuvarı Deney Föyü**  
UFUKTEPE Y., KARAKILÇIK M., AKYOL M., AKÇA G., AKÇA S.  
Deney Föyü, ss.1, 2015
- IV. **Temel Elektronik Laboratuvarı Deneyleri Föyü**  
Karakılçık M., KILIÇ S., AKYOL M., Baz Z.  
Deney Föyü, ss.1, 2010

## Desteklenen Projeler

- AKYOL M., Diğer Resmi Kurumlarca Desteklenen Proje, Nadir toprak elementi katkılı La tabanlı (La<sub>1-x</sub>RE<sub>x</sub>)<sub>0.85</sub>Ag<sub>0.15</sub>MnO<sub>3</sub> (0.0 ≤ x ≤ 0.3 ) Manganit Bileşiklerin Manyetik ve Manyetokalorik Özelliklerinin Belirlenmesi, 2014 - Devam Ediyor
- KARADAĞ F., Adanur İ., EKİCİBİL A., AYAŞ A. O., AKYOL M., Yükseköğretim Kurumları Destekli Proje, Co<sub>1-x</sub>B<sub>x</sub>/CoO<sub>y</sub> (x=0, 0.1, 0.2, 0.5, 0.7, 1.0) çekirdek/kabuk manyetik nanoparçacıkların (MNP) fiziksel özelliklerinin araştırılması, 2017 - 2019
- EKİCİBİL A., KILIÇ S., AKÇA G., AYAŞ A. O., AKYOL M., KARADAĞ F., Yükseköğretim Kurumları Destekli Proje, A bölgesine Tellür Te katkılı ve B bölgesine Rutenyum Ru katkılı manganit bileşiklerin yapısal manyetik ve manyetokalorik özelliklerinin incelenmesi, 2015 - 2019
- AKYOL M., Yükseköğretim Kurumları Destekli Proje, Non-volatile Spintronics: Current-Induced Spin-Orbit Torque Phenomena, 2017 - 2017
- KARADAĞ F., EKİCİBİL A., AKYOL M., Adanur İ., Yükseköğretim Kurumları Destekli Proje, Bor katkılı Co(Fe<sub>1-x</sub>B<sub>x</sub>)<sub>2</sub>O<sub>4</sub> multiferroic spinellerin yapısal elektriksel ve manyetik özelliklerinin araştırılması, 2016 - 2017
- YEĞİNGİL Z., Güçkan V., Özdemir A., Altunal V., EKİCİBİL A., AKYOL M., Yükseköğretim Kurumları Destekli Proje, BeO seramik pellet malzemesinin OSL dozimetrik karakteristiklerinin ve fiziksel özelliklerinin çalışılması, 2016 - 2017
- EKİCİBİL A., AKYOL M., KARADAĞ F., Yükseköğretim Kurumları Destekli Proje, Demir Tabanlı A<sub>16</sub>Fe<sub>4</sub>Se<sub>5</sub> A= K, Cs Süperiletkenlerin Fiziksel Özellikleri, 2015 - 2017
- EKİCİBİL A., AKYOL M., Yükseköğretim Kurumları Destekli Proje, MgO Bariyerli Çoklu Katman Nano-filmleri Spintronik Özelliklerinin Araştırılması, 2013 - 2016
- AKYOL M., Diğer Uluslararası Fon Programları, Nanosystems Engineering Research Center for Translational Applications of Nanoscale Multiferroic Systems, 2012 - 2015
- AKYOL M., Diğer Uluslararası Fon Programları, The Center for Function Accelerated nanoMaterial Engineering (FAME), 2011 - 2015

## Bilimsel Dergilerdeki Faaliyetler

- Applied Physics Letters, Değerlendirme Kurul Üyesi, 2016 - Devam Ediyor
- Materials Science and Semiconductor Processing, Değerlendirme Kurul Üyesi, 2015 - 2015
- Journal of Magnetism and Magnetic Materials, Değerlendirme Kurul Üyesi, 2015 - 2015

## Metrikler

- Yayın: 115
- Atf (WoS): 527
- Atf (Scopus): 561
- H-İndeks (WoS): 11
- H-İndeks (Scopus): 13

## Kongre ve Sempozyum Katılımı Faaliyetleri

- 4th YUKPOP Vacuum Workshop, Katılımcı, Afyon, Türkiye, 2016
- 20th International Conference on Magnetism, Katılımcı, BARCELONA, İspanya, 2015
- 9th International Conference on Magnetic and Superconducting Materials (MSM15), Davetli Konuşmacı, Antalya, Türkiye, 2015
- 9th International Conference on Magnetic and Superconducting Materials (MSM15), Katılımcı, ANTALYA, Türkiye, 2015
- 59th Annual Magnetism & Magnetic Materials Conference, Katılımcı, Honolulu, 2014
- Science & Applications of Thin Films, Conference & Exhibition, Katılımcı, İzmir, Türkiye, 2014

Annual Review of Center on Functional Engineered Nano Architectonics, Katılımcı, Los Angeles, Amerika Birleşik Devletleri, 2014  
Annual Review of Electrical Engineering, University of California, Katılımcı, Los Angeles, Amerika Birleşik Devletleri, 2013  
Joint European Magnetic Symposia, Katılımcı, Rhodes, Yunanistan, 2013  
Advanced School on Synchrotron Techniques in Environmental Scientific Projects, Katılımcı, Trieste, İtalya, 2013  
3rd International Conference on Superconductivity and Magnetism, Katılımcı, İstanbul, Türkiye, 2012  
3rd Spring School and Educational Courses, SSEC-2012 on Superconductivity and Magnetism, Katılımcı, İstanbul, Türkiye, 2012  
Uygulamalı Fizik Çalıştayı, Katılımcı, Adana, Türkiye, 2012  
2nd International Student Workshop on Condensed Matter and Material Physics, Katılımcı, Antalya, Türkiye, 2011  
Workshop on Physics and Chemistry of Solids: Theory and Experiment, Katılımcı, Ankara-Bilkent University, Türkiye, 2011  
28th International Physics Congress, Katılımcı, Muğla-Bodrum, Türkiye, 2011

## **Burslar**

Fellowship, Üniversite, 2014 - Devam Ediyor  
Yurt Dışı Doktora Araştırma Bursu, TÜBİTAK, 2013 - Devam Ediyor

## **Ödüller**

AKYOL M., Bilimsel Yayın Başarı Ödülü, TÜBİTAK, Mayıs 2016  
AKYOL M., 2015 Yılı Bilimsel Aktivite "Altın" Ödülü, Çukurova Üniversitesi Fen-Edebiyat Fakültesi, Mayıs 2016  
AKYOL M., 2014 Yılı Bilimsel Aktivite "Altın" Ödülü, Çukurova Üniversitesi Fen-Edebiyat Fakültesi Dekanlığı, Haziran 2015  
AKYOL M., Selected Advanced Student for Advanced School on Synchrotron Techniques in Environmental Scientific Projects, The Abdus Salam International Centre for Theoretical Physics (ICTP), Nisan 2013  
AKYOL M., Selected Advanced Student for Workshop on Physics and Chemistry of Solids: Theory and Experiment, Institute of Theoretical and Applied Physics, Kasım 2011  
AKYOL M., Bölüm Birinciliği Ödülü, Çukurova Üniversitesi, Haziran 2004