

## Doç. Dr. YUSUF YÜKSEL

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: A-5472-2013

ScopusID: 26968183900

Yoksis Araştırmacı ID: 181815

### Eğitim Bilgileri

Doktora, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 2008 - 2013

Yüksek Lisans, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), Türkiye 2006 - 2008

Lisans, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, Türkiye 2002 - 2006

### Yabancı Diller

İngilizce, B1 Orta

### Yaptığı Tezler

Doktora, Improved effective field theory analysis of critical phenomena in Ising model with quenched disorder effects, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2013

Yüksek Lisans, Magnetic properties of the spin-1 Blume-Emery-Griffiths model in the presence of magnetic field, Dokuz Eylül Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), 2008

### Araştırma Alanları

Fizik, Temel Bilimler

### Akademik Unvanlar / Görevler

Doç. Dr., Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2010 - Devam Ediyor

### Akademik İdari Deneyim

Bölüm Başkan Yardımcısı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2022 - Devam Ediyor

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2020 - Devam Ediyor

## Verdiği Dersler

- Fizik 2 (2. Şb), Lisans, 2021 - 2022  
Fizik 2 (1. Şb), Lisans, 2021 - 2022  
Physics 1, Lisans, 2022 - 2023  
Fizik 4 Optik ve Modern Fizik, Lisans, 2021 - 2022  
Physics III, Lisans, 2022 - 2023  
Fizik 1, Lisans, 2021 - 2022  
Fizik 1, Lisans, 2021 - 2022  
Fizik 1, Lisans, 2021 - 2022  
Fizik 3 (Akışkanlar, Dalgalar ve Termodinamik), Lisans, 2021 - 2022

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

- I. **Investigation of stabilization and survival of skyrmion vortices in the presence of magnetic field disorder in two-dimensional lattices: a case study for Janus dichalcogenides**  
YÜKSEL Y.  
Journal of Physics D: Applied Physics, cilt.57, sa.33, 2024 (SCI-Expanded)
- II. **Exploring the equilibrium and dynamic phase transition properties of the Ising ferromagnet on a decorated triangular lattice**  
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Physical Review E, cilt.108, sa.3, 2023 (SCI-Expanded)
- III. **Unveiling the similarities and dissimilarities between dynamic and thermodynamic phase transitions in a magnetic binary alloy system: a Monte Carlo study**  
YÜKSEL Y.  
Physica Scripta, cilt.98, sa.3, 2023 (SCI-Expanded)
- IV. **Metamagnetic anomalies in the kinetic Blume-Capel model with arbitrary spin**  
YÜKSEL Y., AKINCI Ü., VATANSEVER E.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.603, 2022 (SCI-Expanded)
- V. **Dynamic phase transition in classical Ising models**  
YÜKSEL Y., VATANSEVER E.  
JOURNAL OF PHYSICS D-APPLIED PHYSICS, cilt.55, sa.7, 2022 (SCI-Expanded)
- VI. **Magnetization of silicene via coverage with gadolinium: Effects of thickness, symmetry, strain, and coverage**  
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PHYSICAL REVIEW B, cilt.104, sa.22, 2021 (SCI-Expanded)
- VII. **Dynamic phase transition properties and metamagnetic anomalies of kinetic Ising model in the presence of additive white noise**  
YÜKSEL Y.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.580, 2021 (SCI-Expanded)
- VIII. **Formation and annihilation of magnetic skyrmions on a square lattice Heisenberg Ferromagnet: the role played by the pure and random anisotropy configurations**  
Yuksel Y.  
PHILOSOPHICAL MAGAZINE, cilt.101, sa.15, ss.1782-1800, 2021 (SCI-Expanded)
- IX. **Columnar antiferromagnetic order of a MBene monolayer**  
Ozdemir I., KADIOĞLU Y., YÜKSEL Y., AKINCI Ü., AKTÜRK O. Ü., AKTÜRK E., ÇIRACI S.  
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- X. **Magnetocaloric properties of the spin-S ( $S \geq 1$ ) Ising model driven by a time dependent oscillating magnetic field**  
YÜKSEL Y., VATANSEVER E., AKINCI Ü.  
PHYSICS LETTERS A, cilt.388, 2021 (SCI-Expanded)
- XI. **Magnetocaloric properties of FM/AFM core/shell nanoparticles: a Monte Carlo simulation study**  
VATANSEVER E., YÜKSEL Y., DEMİR VATANSEVER Z.  
EUROPEAN PHYSICAL JOURNAL B, cilt.94, sa.1, 2021 (SCI-Expanded)
- XII. **Dynamic phase transition and universality in a quasi 2D system: Bilayer Ising/Blume-Capel ferromagnet on a honeycomb lattice**  
YÜKSEL Y.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.513, 2020 (SCI-Expanded)
- XIII. **A new single-layer structure of MBene family: Ti2B**  
Ozdemir I., Kadioglu Y., AKTÜRK O. Ü., Yuksel Y., Akinci Ü., Akturk E.  
JOURNAL OF PHYSICS-CONDENSED MATTER, cilt.31, sa.50, 2019 (SCI-Expanded)
- XIV. **Effects of the particle size and shape of the magnetic nanoparticles on the magnetic hyperthermia and exchange bias properties**  
YÜKSEL Y.  
PHYSICA B-CONDENSED MATTER, cilt.575, 2019 (SCI-Expanded)
- XV. **A simulation approach for the finite-temperature magnetic properties, stochastic dynamics and heating properties of magnetic nanoparticles composed of FM core/AFM shell**  
YÜKSEL Y.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, cilt.33, sa.23, 2019 (SCI-Expanded)
- XVI. **Exploring the electronic and magnetic properties of new metal halides from bulk to two-dimensional monolayer: RuX3 (X = Br, I)**  
ERSAN F., VATANSEVER E., Sarikurt S., YÜKSEL Y., KADIOĞLU Y., Ozaydin H. D., AKTÜRK O. Ü., AKINCI Ü., AKTÜRK E.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.476, ss.111-119, 2019 (SCI-Expanded)
- XVII. **Strain effects on electronic and magnetic properties of the monolayer alpha-RuCl3: A first-principles and Monte Carlo study**  
VATANSEVER E., Sarikurt S., ERSAN F., KADIOĞLU Y., AKTÜRK O. Ü., YÜKSEL Y., Ataca C., AKTÜRK E., AKINCI Ü.  
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- XVIII. **Multiple hysteresis behaviors in spin models: Effect of anisotropy in the exchange interaction**  
AKINCI Ü., YÜKSEL Y.  
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- XIX. **Monte Carlo simulation of exchange bias in spin valve systems**  
YÜKSEL Y., AKINCI Ü.  
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- XX. **Magnetocaloric properties of the spin-S ( $S \geq 1$ ) Ising model on a honeycomb lattice**  
AKINCI Ü., YÜKSEL Y., VATANSEVER E.  
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- XXI. **Monte Carlo simulation of equilibrium and dynamic phase transition properties of an Ising bilayer**  
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- XXII. **Magnetic anisotropy and interface exchange coupling dependence of exchange bias in core/shell doubly inverted magnetic nanoparticles**  
Vatansever Z., YÜKSEL Y., Vatansever E.  
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- XXIII. **Exchange bias mechanism in FM/FM/AF spin valve systems in the presence of random unidirectional anisotropy field at the AF interface: The role played by the interface roughness due to randomness**  
YÜKSEL Y.  
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- XXIV. **Influence of modified surface effects on the magnetocaloric properties of ferromagnetic thin films**

YÜKSEL Y., AKINCI Ü., VATANSEVER E.

THIN SOLID FILMS, cilt.646, ss.67-74, 2018 (SCI-Expanded)

- XXV. **A comparative study of critical phenomena and magnetocaloric properties of ferromagnetic ternary alloys**  
YÜKSEL Y., AKINCI Ü.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.112, ss.143-152, 2018 (SCI-Expanded)
- XXVI. **Electronic and magnetic properties of monolayer alpha-RuCl<sub>3</sub>: a first-principles and Monte Carlo study**  
Sarikurt S., Kadioglu Y., Ersan F., VATANSEVER E., AKTÜRK O. Ü., YÜKSEL Y., AKINCI Ü., Akturk E.  
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- XXVII. **Nonmagnetic impurities and roughness effects on the finite temperature magnetic properties of core-shell spherical nanoparticles with antiferromagnetic interface coupling**  
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- XXVIII. **Non equilibrium magnetocaloric properties of Ising model defined on regular lattices with arbitrary coordination number**  
VATANSEVER E., AKINCI Ü., YÜKSEL Y.  
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- XXIX. **Shell thickness and dynamic magnetic field effects on the critical phenomena of magnetic core-shell nanoparticles with spherical geometry**  
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- XXX. **Influence of time dependent longitudinal magnetic fields on the cooling process, exchange bias and magnetization reversal mechanism in FM core/AFM shell nanoparticles: a Monte Carlo study**  
YÜKSEL Y., AKINCI Ü.  
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- XXXI. **Dynamic phenomena in magnetic ternary alloys**  
VATANSEVER E., YÜKSEL Y.  
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.689, ss.446-450, 2016 (SCI-Expanded)
- XXXII. **Monte Carlo simulation of Prussian blue analogs described by Heisenberg ternary alloy model**  
YÜKSEL Y.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, cilt.86, ss.207-214, 2015 (SCI-Expanded)
- XXXIII. **Dynamic phase transition phenomena and magnetization reversal process in uniaxial ferromagnetic nanowires**  
YÜKSEL Y.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.389, ss.34-39, 2015 (SCI-Expanded)
- XXXIV. **Critical behavior and universality properties of uniaxial ferromagnetic thin films in the presence of random magnetic fields**  
YÜKSEL Y.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.385, ss.47-54, 2015 (SCI-Expanded)
- XXXV. **Thickness dependent Curie temperature and power-law behavior of layering transitions in ferromagnetic classical and quantum thin films described by Ising, XY and Heisenberg models**  
YÜKSEL Y., AKINCI Ü.  
Physica B: Condensed Matter, cilt.462, ss.54-58, 2015 (SCI-Expanded)
- XXXVI. **Monte Carlo study of magnetization dynamics in uniaxial ferromagnetic nanowires in the presence of oscillating and biased magnetic fields**  
YÜKSEL Y.  
PHYSICAL REVIEW E, cilt.91, sa.3, 2015 (SCI-Expanded)
- XXXVII. **Order parameters and hysteresis behavior of a ferromagnetic Blume-Capel thin film: The role of the crystal field interactions**  
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- PHYSICA B-CONDENSED MATTER, cilt.436, ss.1-9, 2014 (SCI-Expanded)
- XXXVIII. **An effective field theory study of layering transitions in Blume-Capel thin films in the presence of quenched random crystal fields**  
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PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.396, ss.9-18, 2014 (SCI-Expanded)
- XXXIX. **Universality aspects of layering transitions in ferromagnetic Blume-Capel thin films**  
YÜKSEL Y., AKINCI Ü.  
PHYSICA B-CONDENSED MATTER, cilt.433, ss.96-101, 2014 (SCI-Expanded)
- XL. **Monte Carlo simulations of dynamic phase transitions in ultrathin Blume-Capel films**  
YÜKSEL Y.  
PHYSICS LETTERS A, cilt.377, sa.38, ss.2494-2504, 2013 (SCI-Expanded)
- XLI. **Investigation of critical phenomena and magnetism in amorphous Ising nanowire in the presence of transverse fields**  
YÜKSEL Y., AKINCI Ü., POLAT H.  
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- XLII. **Investigation of oscillation frequency and disorder induced dynamic phase transitions in a quenched-bond diluted Ising ferromagnet**  
VATANSEVER E., AKINCI Ü., YÜKSEL Y., POLAT H.  
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- XLIII. **Investigation of bond dilution effects on the magnetic properties of a cylindrical Ising nanowire**  
YÜKSEL Y., AKINCI Ü., POLAT H.  
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, cilt.250, sa.1, ss.196-206, 2013 (SCI-Expanded)
- XLIV. **Effective field investigation of dynamic phase transitions for site diluted Ising ferromagnets driven by a periodically oscillating magnetic field**  
AKINCI Ü., YÜKSEL Y., VATANSEVER E., POLAT H.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.391, sa.23, ss.5810-5817, 2012 (SCI-Expanded)
- XLV. **Dynamic phase transition properties and hysteretic behavior of a ferrimagnetic core-shell nanoparticle in the presence of a time dependent magnetic field**  
YÜKSEL Y., VATANSEVER E., POLAT H.  
JOURNAL OF PHYSICS-CONDENSED MATTER, cilt.24, sa.43, 2012 (SCI-Expanded)
- XLVI. **Stationary State Solutions of a Bond Diluted Kinetic Ising Model: An Effective-Field Theory Analysis**  
Vatansever E., Aktas B. O., YÜKSEL Y., AKINCI Ü., Polat H.  
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- XLVII. **Critical behavior and phase diagrams of a spin-1 Blume-Capel model with random crystal field interactions: An effective field theory analysis**  
YÜKSEL Y., AKINCI Ü., POLAT H.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.391, sa.9, ss.2819-2832, 2012 (SCI-Expanded)
- XLVIII. **Nonequilibrium phase transitions and stationary-state solutions of a three-dimensional random-field Ising model under a time-dependent periodic external field**  
YÜKSEL Y., VATANSEVER E., AKINCI Ü., POLAT H.  
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- XLIX. **Random field effects on the phase diagrams of spin-1/2 Ising model on a honeycomb lattice**  
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PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.391, sa.3, ss.415-422, 2012 (SCI-Expanded)
- L. **Thermal and magnetic properties of a ferrimagnetic nanoparticle with spin-3/2 core and spin-1 shell structure**  
YÜKSEL Y., AYDINER E., POLAT H.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.323, sa.23, ss.3168-3175, 2011 (SCI-Expanded)
- LI. **Effective-field-theory analysis of the three-dimensional random-field Ising model on isometric lattices**  
AKINCI Ü., YÜKSEL Y., POLAT H.

- PHYSICAL REVIEW E, cilt.83, sa.6, 2011 (SCI-Expanded)
- LII. **Effects of the bond dilution on the phase diagrams of a spin-1 transverse Ising model with crystal field interaction on a honeycomb lattice**  
AKINCI Ü., YÜKSEL Y., POLAT H.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, cilt.390, sa.4, ss.541-552, 2011 (SCI-Expanded)
- LIII. **An introduced effective-field theory study of spin-1 transverse Ising model with crystal field anisotropy in a longitudinal magnetic field**  
YÜKSEL Y., POLAT H.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.322, sa.24, ss.3907-3916, 2010 (SCI-Expanded)
- LIV. **Dependence on dilution of critical and compensation temperatures of a two-dimensional mixed spin-1/2 and spin-1 system**  
AYDINER E., YÜKSEL Y., KIS ÇAM E., POLAT H.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.321, sa.19, ss.3193-3197, 2009 (SCI-Expanded)
- LV. **An introduced effective-field approximation and Monte Carlo study of a spin-1 Blume-Capel model on a square lattice**  
YÜKSEL Y., AKINCI Ü., POLAT H.  
PHYSICA SCRIPTA, cilt.79, sa.4, 2009 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. **The effect of interfacial morphology on the magnetic and magnetocaloric properties of ferromagnetic nanoparticles with core-shell geometry: a Monte Carlo Study**  
YÜKSEL Y.  
TURKISH JOURNAL OF PHYSICS, cilt.46, sa.1, ss.27-36, 2022 (ESCI)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **POSSIBILITIES OF ENHANCING MAGNETOCALORIC EFFECT IN LOW DIMENSIONAL SYSTEMS**  
AKINCI Ü., YÜKSEL Y., VATANSEVER E., DEMİR VATANSEVER Z.  
FIRST INTERNATIONAL BILATERAL WORKSHOP ON SCIENCE BETWEEN DOKUZ EYLÜL UNIVERSITY AND AZERBAIJAN NATIONAL ACADEMY OF SCIENCES, Türkiye, 19 Kasım 2021
- II. **Exploring the electronic and magnetic properties of new metal halides from bulk to two-dimensional monolayer: RuX<sub>3</sub> (X = Br, I)**  
ERSAN F., VATANSEVER E., SARIKURT S., YÜKSEL Y., KADIOĞLU Y., Ozaydın H. D., ÜZENGİ AKTÜRK O., AKINCI Ü., AKTÜRK E.  
International Materials Science and Nanotechnology for Next Generation Conference (MSNG2019), Niğde, Türkiye, 16 - 18 Ekim 2019
- III. **Electronic and magnetic properties of monolayer a-RuCl<sub>3</sub> : a first-principles and Monte Carlo study**  
SARIKURT S., KADIOĞLU Y., ERSAN F., VATANSEVER E., ÜZENGİ AKTÜRK O., YÜKSEL Y., AKINCI Ü., AKTÜRK E.  
International Conference on Materials Science and Technology, Ankara, Türkiye, 18 - 20 Ekim 2019
- IV. **Magnetic Phase Transition by Strain Effect on Monolayer a-RuCl<sub>3</sub>**  
KADIOĞLU Y., VATANSEVER E., SARIKURT S., ERSAN F., ÜZENGİ AKTÜRK O., YÜKSEL Y., ATACA C., AKTÜRK E., AKINCI Ü.  
TFD 35. Uluslararası Fizik Kongresi, Türkiye, 4 - 08 Eylül 2019
- V. **Effects of the particle size and shape of the magnetic nanoparticles on the magnetic hyperthermia and exchange bias properties**  
YÜKSEL Y., VATANSEVER E., DEMİR VATANSEVER Z.  
12th International Symposium on Hysteresis Modeling and Micromagnetics, 19 - 22 Mayıs 2019
- VI. **Dynamic Phase Transition Characteristics and Stochastic Behavior of Kinetic Ising Model in an**

## **Oscillating Magnetic Field with White Noise**

YÜKSEL Y.

Adım Fizik Günleri 2018, Aydın, Türkiye, 23 - 25 Mayıs 2018

- VII. **Monte Carlo simulation of exchange bias in spin valvesystems: Dynamic phase transition properties**  
AKINCI Ü., YÜKSEL Y.  
11th Symposium on Hysteresis Modeling and Micromagnetics, Barcelona, İspanya, 29 - 31 Mayıs 2017
- VIII. **Multiple hysteresis behaviors in spin models: effect ofanisotropy in the exchange interaction**  
YÜKSEL Y., AKINCI Ü.  
11th Symposium on Hysteresis Modeling and Micromagnetics, Barcelona, İspanya, 29 - 31 Mayıs 2017
- IX. **Multiple hysteresis behaviors in spin models: effect ofrandom field and crystal field distribution**  
AKINCI Ü., YÜKSEL Y.  
11th Symposium on Hysteresis Modeling and Micromagnetics, Barcelona, İspanya, 29 - 31 Mayıs 2017
- X. **Monte Carlo simulation of exchange bias in bilayers and spherical particles: Dynamic phase transition properties**  
YÜKSEL Y., AKINCI Ü.  
11th International Symposium on Hysteresis Modeling and Micromagnetics (HMM 2017) Barcelona, İspanya, 29-31 Mayıs 2017, Barcelona, İspanya, 29 - 31 Mayıs 2017
- XI. **A simulational study of exchange anisotropy in magnetic nanoparticles in the presence of dynamic magnetic fields**  
YÜKSEL Y.  
42nd Conference of the Middle European Cooperation in Statistical Physics (MECO 42), Lyon, Fransa, 8-10 Şubat 2017, Lyon, Fransa, 8 - 10 Şubat 2017
- XII. **Manyetik Nanoparçacıklarda Değiş Tokuş Anizotropisinin Dinamik Manyetik Alanlar Varlığındaki Davranışı**  
AKINCI Ü., YÜKSEL Y.  
23. İstatistik Fizik Günleri, Türkiye, 23 - 24 Haziran 2016
- XIII. **Magnetization Dynamics in Soft Ferromagnetic and Exchange Biased Nanowires with Tunable Core and Shell Radii**  
YÜKSEL Y.  
Fourth International Workshop on Statistical Mechanics and Dynamical Systems, 17 - 19 Temmuz 2014
- XIV. **Universality Aspects of Layering Transitions in Ferromagnetic Blume Capel Thin Films**  
YÜKSEL Y.  
20. İstatistiksel Fizik Günleri, Türkiye, 27 - 29 Haziran 2013
- XV. **Dynamic phase transition properties and hysteretic behavior of a ferrimagnetic core shell nanoparticle in the presence of time dependent perturbation**  
YÜKSEL Y.  
Greek-Turkish Conference on Statistical Mechanics, 27 Ağustos - 02 Eylül 2012
- XVI. **Effects of the bond dilution on the phase diagrams of a spin 1 transverse Ising model with crystal field interaction on a honeycomb lattice**  
YÜKSEL Y.  
18. İstanbul İstatistik Fizik Günleri, Amerika Birleşik Devletleri, 30 Haziran - 02 Temmuz 2011

## **Desteklenen Projeler**

Yüksel Y., Aktürk E., Akıncı Ü., Kadioğlu Y., TÜBİTAK Projesi, Saf ve Janus Ni-Dihalidlerden Elde Edilen Düzlemsel ve Katlı Heteroyapıların Manyetik Skyrmion Durumlarının Belirlenmesi, 2022 - 2025

AFŞAR K. E., TOKER E. C., KÜÇÜKKIRALI Z., TEZEL B. T., ÖZYİĞİT M., YILDIRIM E., YÜKSEL Y., Yükseköğretim Kurumları Destekli Proje, Covid-19 Pandemisi ve Sonrasında Ekonomi Politikalarının Etkileri: Etmen Tabanlı Modelleme Çalışması, 2021 - 2023

Yüksel Y., Aktürk O. Ü., Akıncı Ü., TÜBİTAK Projesi, Yoğunluk Fonksiyoneli Teorisi Ve Monte Carlo Yöntemi İle İki Boyutlu

Bazı Mbene Yapıların Manyetik Özelliklerinin İncelenmesi, 2019 - 2021

Yüksel Y., Vatanserver E., Demir Vatanserver Z., TÜBİTAK Projesi, Manyetik Nanoparçacıklarda Parçacık Büyüklüğü Ve Geometrisinin Manyetokalorik Ve Manyetik Hipertermi Özellikleri Üzerindeki Etkisi, 2019 - 2020

Akinci Ü., Aktürk E., Yüksel Y., Vatanserver E., TÜBİTAK Projesi, İki Boyutlu MX<sub>3</sub> (M=Fe, Ru, Rh, X=Cl, Br, I) Tabakaların Manyetik Özelliklerinin Yoğunluk Fonksiyoneli Teorisi ve Monte Carlo Yöntemleri Kullanarak Belirlenmesi, 2017 - 2020

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## Bilimsel Hakemlikler

PHASE TRANSITIONS, SCI Kapsamındaki Dergi, Eylül 2022

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TÜBİTAK Projesi, 2204-A Lise Öğrencileri Araştırma Projeleri Yarışması, TÜBİTAK, Türkiye, Mart 2022

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PHASE TRANSITIONS, SCI Kapsamındaki Dergi, Eylül 2021

PHASE TRANSITIONS, SCI Kapsamındaki Dergi, Ağustos 2021

PHYSICA A: STATISTICAL MECHANICS AND ITS APPLICATIONS, SCI Kapsamındaki Dergi, Mart 2017

## Bilimsel Danışmanlıklar

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