

## Prof. CİHAT BOYRAZ

### Personal Information

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### International Researcher IDs

ScholarID: LDpH85cAAAAJ

ORCID: 0000-0002-3508-7703

Publons / Web Of Science ResearcherID: V-5695-2017

ScopusID: 24366001700

Yoksis Researcher ID: 36317

### Education Information

Doctorate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 2009 - 2012

Postgraduate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 2001 - 2004

Undergraduate, Trakya University, Fen Fakültesi, Fizik Bölümü, Turkey 1997 - 2001

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Çoklu ferroik tek kristal film tabanlı aygıtların yapımı ve karakterizasyonu, Marmara Üniversitesi, Faculty of Arts and Sciences, Physics, 2012

Postgraduate, Zincir moleküler sıvıların yüzey geriliminin bulk özellikleri ile ilişkilendirilmesi, Marmara Üniversitesi, Faculty of Arts and Sciences, Physics, 2004

### Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Natural Sciences

### Academic Titles / Tasks

Professor, Marmara University, Faculty of Technology, Mechanical Engineering, 2025 - Continues

Associate Professor, Marmara University, Faculty of Technology, Mechanical Engineering, 2018 - 2025

Assistant Professor, Marmara University, Faculty of Technology, Mechanical Engineering, 2013 - 2018

Research Assistant, Marmara University, Faculty of Arts and Sciences, Physics, 2003 - 2013

### Courses

## Doctorate

Uygulamalı Sayısal Yöntemler, Doctorate, 2021 - 2022

Advanced Engineering Mathematics, Doctorate, 2020 - 2021, 2019 - 2020, 2016 - 2017

## Postgraduate

Uygulamalı Sayısal Yöntemler, Postgraduate, 2022 - 2023, 2019 - 2020

Introduction to Advanced Engineering Mathematics, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Uygulamalı Sayısal Yöntemlere Giriş, Postgraduate, 2021 - 2022

Applied Numerical Methods, Postgraduate, 2018 - 2019

Vehicle Aerodynamics, Postgraduate, 2014 - 2015

## Undergraduate

Physics II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2013 - 2014

Sayısal Analiz, Undergraduate, 2022 - 2023

Calculus II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Lineer Cebir, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Introduction to Scientific Programming, Undergraduate, 2022 - 2023

Physics I, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Calculus I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Physics II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Matematik II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Physics II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Calculus I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Physics I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Physics I, Undergraduate, 2014 - 2015

Calculus II, Undergraduate, 2013 - 2014

Physics I, Undergraduate, 2013 - 2014

## Supervised Theses

Boyrac C., "Geçiş ve Nadir Toprak Elementler ile Katkılı Ferrit Nanopartiküllerin Yapısal, Optik, Manyetik, Fotokatalitik Aktivitesi ve İlgili Biyolojik Etkileri ve Elektronik Yapılarının Araştırılması, Doctorate, M.Mine(Student), Continues

Boyrac C., Güler A., ZnO Nanomalzemelerde Oluşan Kusurların Optik, Manyetik ve Elektriksel Özelliklerine Etkisinin İncelenmesi, Postgraduate, Y.KANDİL(Student), 2024

FeYZioğlu A., Boyrac C., Türkiye elektrik piyasalarında talep tarafı katılımının çok kriterli karar verme yöntemiyle değerlendirilmesi, Postgraduate, A.YALÇINKAYA(Student), 2024

Boyrac C., Ballıkaya S., Yüksek verimli nadir toprak element katkı N tipi ve V P tipi (BiSb)2Te3 termoelektrik bileşiklerin geliştirilmesi, Postgraduate, T.Maraş(Student), 2023

Hartomacioğlu S., Boyrac C., Gergi Kontrol Sistemlerinde Kullanılan Elektromanyetik Frenlerin Tasarım Parametrelerinin Optimizasyonu, Postgraduate, M.Ergüneş(Student), 2023

BOYRAZ C., Seyreltik manyetik yarı iletken malzemelerin sentezlenmesi ve karakterizasyonu, Postgraduate, B.YEŞİLBAŞ(Student), 2016

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

1. **Structure, microstructure, and ESR properties of concentration-dependent Zn<sub>1-x</sub>MnxO nanoparticles**  
BOYRAZ C., Perez M. S., Arda L.  
Ceramics International, vol.50, no.23, pp.50855-50866, 2024 (SCI-Expanded)

- II. **Structural and magnetic properties of superconductive YFeSb $\langle$ > 1 2 compound**  
BOYRAZ C.  
International Journal of Modern Physics B, vol.38, no.18, 2024 (SCI-Expanded)
- III. **Short-Range Magnetic Order at Low Temperatures, Exchange Bias, and Negative Magnetization in Undoped CuCrO<sub>2</sub>**  
BOYRAZ C., Aksu P., GÜLER A., Oner Y., Fujioka M.  
Journal of Electronic Materials, vol.52, no.7, pp.4822-4840, 2023 (SCI-Expanded)
- IV. **Superconductivity and magnetism in a novel La<sub>0.85</sub>Ga<sub>0.15</sub>FeAsO compound**  
Boyraz C., Aksu P., Guler A., Oner Y.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.603, 2022 (SCI-Expanded)
- V. **The Investigation of Effect of Defects on the Structural, Optical, and Magnetic Properties of CuAlO<sub>2</sub>**  
BOYRAZ C., GÜLER A., Karataş Ö., Aksu P., Alphan M. C., Arda L.  
Acta Physica Polonica A, vol.142, no.4, pp.464-472, 2022 (SCI-Expanded)
- VI. **Electrical Resistivity and Magnetization Study on LaFe<sub>2</sub>As<sub>2</sub>, La<sub>0.8</sub>Ba<sub>0.2</sub>Fe<sub>2</sub>As<sub>2</sub>, and La<sub>1-x</sub>BaxPt<sub>0.1</sub>Fe<sub>1.9</sub>As<sub>2</sub> (x=0, 0.05, 0.2, 0.4, and 0.6) Superconducting Compounds**  
BOYRAZ C., Oner Y.  
JOURNAL OF ELECTRONIC MATERIALS, vol.51, no.5, pp.2624-2644, 2022 (SCI-Expanded)
- VII. **Negative Magnetization and Superconductivity in the (LaPt<sub>2</sub>As<sub>x</sub> (x=1, 2) and BaPt<sub>2</sub>As<sub>2</sub> Compounds**  
Oner Y., Boyraz C.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.34, no.12, pp.3175-3198, 2021 (SCI-Expanded)
- VIII. **A successive multi-phase transitions in polycrystalline BaFe<sub>2</sub>As<sub>2</sub>: Emergence of C<sub>4</sub> phase**  
Oner Y., BOYRAZ C.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.35, no.27, 2021 (SCI-Expanded)
- IX. **Low Field Magnetic and Electric Transport Properties of LaFeAsO and Oxygen Deficiency of LaFeAsO<sub>x</sub>**  
Oner Y., BOYRAZ C.  
JOURNAL OF ELECTRONIC MATERIALS, vol.50, no.3, pp.1090-1101, 2021 (SCI-Expanded)
- X. **Effects of Pt and La doping on the superconductivity of CaFe<sub>2</sub>As<sub>2</sub>: Kondo effects**  
Oner Y., BOYRAZ C.  
INTERMETALLICS, vol.129, 2021 (SCI-Expanded)
- XI. **Coexistence of magnetism and superconductivity in thin films of the Fe-based superconductor Ba<sub>1-x</sub>La<sub>x</sub>Fe<sub>2</sub>As<sub>2</sub>**  
Oner Y., BOYRAZ C., Hiramatsu H., Katase T., Hosono H.  
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.32, no.48, 2020 (SCI-Expanded)
- XII. **Domain structure effect on the superconductivity of BaFePtAs<sub>2</sub>**  
Öner Y., BOYRAZ C., GÜLER A.  
Physica C: Superconductivity and its Applications, vol.574, 2020 (SCI-Expanded)
- XIII. **Critical current density and flux pinning in BaFe<sub>1.9</sub>Pt<sub>0.1</sub>As<sub>2</sub> and La doped Ba<sub>0.95</sub>La<sub>0.05</sub>Fe<sub>1.9</sub>Pt<sub>0.1</sub>As<sub>2</sub> polycrystals**  
Oner Y., Boyraz C.  
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.31, no.15, 2019 (SCI-Expanded)
- XIV. **Band Gap Engineering of Mg Doped ZnO Nanorods Prepared by a Hydrothermal Method**  
ŞENOL S. D., BOYRAZ C., Özüğurlu E., GÜNGÖR A., ARDA L.  
CRYSTAL RESEARCH AND TECHNOLOGY, vol.54, no.3, 2019 (SCI-Expanded)
- XV. **Preparation Structure and Magnetic Properties of Mn-Doped ZnO Nanoparticles Prepared by Hydrothermal Method**  
DEMİRÖZÜ ŞENOL S., GÜLER A., BOYRAZ C., ARDA L.  
Journal Of Superconductivity And Novel Magnetism, 2019 (SCI-Expanded)
- XVI. **Electronic, transport, and magnetic properties of (Ca, Ba)<sub>(0.9)</sub>La<sub>0.1</sub>Fe<sub>1.9</sub>Pt<sub>0.1</sub>As<sub>2</sub> compounds**  
Guler A., Boyraz C., Avci S., Arda L., Ozdemir M., Oner Y.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.33, no.4, 2019 (SCI-Expanded)

- XVII. **The annealing effect on microstructure and ESR properties of (Cu/Ni) co-doped ZnO nanoparticles**  
Guler A., Arda L., Dogan N., Boyraz C., Ozugurlu E.  
CERAMICS INTERNATIONAL, vol.45, no.2, pp.1737-1745, 2019 (SCI-Expanded)
- XVIII. **Effect of Annealing Temperature on Structure and Magnetic Properties of Zn<sub>0.94</sub>Mg<sub>0.01</sub>Mn<sub>0.05</sub>O Nanoparticles**  
GÜLER A., tosun m., GÜNGÖR A., BOYRAZ C., ARDA L.  
Journal Of Superconductivity And Novel Magnetism, 2019 (SCI-Expanded)
- XIX. **Synthesis characterization of tetrahedrite compounds for thermoelectric applications**  
GÜLER A., BOYRAZ C., Shulgin D., Mozzhukhin G., Rameev B.  
IEEE Transactions On Magnetics, 2019 (SCI-Expanded)
- XX. **Thermoelectric properties and EPR analysis of Fe doped Cu<sub>12</sub>Sb<sub>4</sub>S<sub>13</sub>**  
Guler A., Ballikaya S., Boyraz C., Okay C., Shulgin D., Rameev B.  
JOURNAL OF SOLID STATE CHEMISTRY, vol.269, pp.547-552, 2019 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Structural, Thermoelectric, and Magnetic Properties of Pure and Ti-Doped Ca<sub>3</sub>Co<sub>4</sub>O<sub>9</sub> Ceramic Compounds**  
BOYRAZ C.  
Frontiers in Life Sciences and Related Technologies (Online), vol.4, no.2, pp.79-84, 2023 (Peer-Reviewed Journal)
- II. **Demand Side Response Program for More Sustainable Electricity Market: A Case Study of Türkiye**  
YALÇINKAYA A., FEYZİOĞLU A., BOYRAZ C., HALİLOĞLU H., SANTORO D., PICCINETTI L.  
Insights Into Regional Development, vol.46, 2023 (Scopus)
- III. **The concentration effects on structural and magnetic properties of Fe<sub>2</sub>V<sub>1-x</sub>Mn<sub>x</sub>Ge Heusler alloys**  
Boyraz C., Guler A., Aksu P., Arda L.  
SN APPLIED SCIENCES, vol.4, no.7, 2022 (ESCI)
- IV. **The effect of defects formed under pressure on CuCrO<sub>2</sub> delafossite**  
Boyraz C., Aksu P., Guler A., Arda L.  
SN APPLIED SCIENCES, vol.4, no.7, 2022 (ESCI)

### Papers Published in Refereed Scientific Meetings

- I. **Structural and Thermoelectric Transport Properties in BxBi<sub>2-x</sub>Te<sub>3</sub> Compounds.**  
MARAŞ T., BOYRAZ C., BALLIKAYA S.  
International Congress on Engineering and Sciences, 18 March 2023
- II. **THE CONCENTRATION EFFECTS ON STRUCTURAL AND MAGNETIC PROPERTIES OF Fe<sub>2</sub>V<sub>1-x</sub>Mn<sub>x</sub>Ge HEUSLER ALLOYS**  
BOYRAZ C., GÜLER A., ARDA L.  
ICSM 2021, 21 October 2021
- III. **Effect of Cr on Physical properties on CuAlO<sub>2</sub> nanoparticles**  
BOYRAZ C., GÜLER A., AKSU P., ARDA L.  
7th International Conference on Superconductivity and Magnetism (ICSM2021), 21 - 27 October 2021
- IV. **INVESTIGATION AND OF PHYSICAL PROPERTIES OF CuAlO<sub>2</sub> NANOPARTICLES**  
BOYRAZ C., AKSU P., GÜLER A., ARDA L.  
ICSM 2021, 21 October 2021
- V. **Investigation of physical characteristics of thermoelectric CuAlO<sub>2</sub>**  
GÜLER A., BOYRAZ C.  
ICSEEC 2020, 04 September 2020
- VI. **Investigation of high T<sub>c</sub> Superconductor Materials and Their Physical Properties**

BOYRAZ C., AKSU P.

International 2nd Conference on Sustainable Energy and Energy Calculations, İstanbul, Turkey, 04 September 2020

- VII. **INVESTIGATION OF PHYSICAL PROPERTIES OF EU3 DOPED COLUMBITE CDNB2O6 POWDERS**  
GÜLER A., BOYRAZ C., EKMEKÇİ M. K.  
ICAPM 2019 MADRID, 22 - 23 November 2019
- VIII. **Preparation, growth, and optical properties of (Cu/Co)co-doped ZnO thin films**  
AKCAN D., YALÇIN B., ŞENTÜRK K., Yalçın i. e., ALPHAN M. C., GÜLER A., BOYRAZ C., ARDA L.  
ICCMMS-2019, 14 - 19 October 2019
- IX. **Cr/Co çift katkılı ZnO İnce Filmlerin, Hazırlama, Büyütme, Mikroyapı ve Optik Özellikleri**  
GÜLER A., BOYRAZ C., ARDA L.  
3RD INTERNATIONAL MULTIDISCIPLINARY STUDIES CONGRESS, 5 - 06 October 2018
- X. **PREPARATION, GROWTH, AND MICROSTRUCTURAL PROPERTIES OF Cr DOPED ZnMgO THIN FILMS**  
ALPHAN M. C., AKCAN D., BOYRAZ C., ARDA L.  
TMT2018, 18 - 22 September 2018, vol.21, pp.49-52
- XI. **EFFECT OF TEMPERATURE AND FILM THICKNESS ON RESIDUAL STRESS AND MICROSTRUCTURE OF ZnO THIN FILMS**  
TOSUN M., ATAÖĞLU Ş., İPEK C., ARDA L., BOYRAZ C.  
21st International Research/Expert Conference Trends In The Development of Machinery and Associated Technology, 18 - 22 September 2018
- XII. **EFFECT OF TEMPERATURE AND FILM THICKNESS ON RESIDUAL STRESS AND MICROSTRUCTURE OF ZnO THIN FILM**  
TOSUN M., ATAÖĞLU Ş., İPEK C., ARDA L., BOYRAZ C.  
TMT2018, Czech Republic, 18 September - 22 August 2018, vol.21, pp.53-56
- XIII. **Co, Ni, AND Fe ION EFFECTS ON PARENT TETRAHEDRITE COMPOUND**  
GÜLER A., BOYRAZ C., ARDA L., RAMİ B.  
ICSM 2018, 29 - 30 April 2018
- XIV. **PREPARATION, GROWTH, AND MAGNETIC AND MECHANICAL PROPERTIES OF NONVACUUM Cu DOPED ZnMnO DILUTED MAGNETIC SEMICONDUCTORS NANOPARTICLES**  
İPEK C., ATAÖĞLU Ş., BAYTAK T., BOYRAZ C., DOĞAN BİNGÖLBALİ N., ARDA L.  
ICSM 2018, 29 - 30 April 2018
- XV. **STRUCTURAL AND MAGNETIC PROPERTIES OF TRANSITION METAL DOPED BaTiO3 NANO PARTICLES BY SOL-GEL PROCESS**  
ARDA L., AKCAN D., BOYRAZ C., DOĞAN BİNGÖLBALİ N.  
ICSM 2018, 29 - 30 April 2018
- XVI. **Preparation, Growth, Microstructure, and Optical Properties of Nonvacuum Y doped ZnO Thin films.**  
BOYRAZ C., GÜLER A., ARDA L.  
1 st international Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 November 2017
- XVII. **Magnetic and Superconductivity properties of Calcium and Barium doped La0.1Fe1.9Pt0.1As2 Parent Compound**  
GÜLER A., BOYRAZ C., ÖNER Y.  
7 th annual world congress of science and technology-2017, 24 - 26 November 2017
- XVIII. **Process, characterization and ESR properties of 3d transition ion doped-tetrahedrite compounds”,**  
Boyraz C., Güler A., Okay C., Shullgin D., Mozhukin G., Rami B.  
1 International Conference on Magnetism and Magnetic Materials London/UK., Kharkiv, Ukraine, 9 - 10 November 2017
- XIX. **Physical Properties of Fe doped Cu12Sb4S3**  
GÜLER A., BOYRAZ C., OKAY C., RAMİ B.  
1 st international Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 November 2017
- XX. **The Effect of substrate on physical properties of CdCr2S4 thin films**  
BOYRAZ C., ERDEM M., URFA Y., ÖZDEMİR M.

1 st international Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 November 2017

- XXI. **PHYSICAL PROPERTIES OF Fe DOPED Cu<sub>12</sub>Sb<sub>4</sub>S<sub>13</sub>**  
GÜLER A., BOYRAZ C., OKAY C., bulat r.  
ISMSIT2017, 2 - 04 November 2017
- XXII. **Magnetic and Superconductivity Properties of Calcium and Barium Soped La<sub>0.1</sub>Fe<sub>1.9</sub>Pt<sub>0.1</sub>As<sub>2</sub> Parent Compounds**  
GÜLER A., BOYRAZ C., ÖNER Y.  
NANO StT Annual World Congress of Nano Science and Technology 2017, 24 - 26 October 2017
- XXIII. **Magnetic and superconductivity properties of Calsium and Barium doped La<sub>0.1</sub>Pt<sub>1.9</sub>Fe<sub>0.1</sub>A<sub>2</sub> parent compounds**  
GÜLER A., BOYRAZ C., ÖNER Y.  
7 th annual world conference on nanotechnoogy 2017, 24 - 26 October 2017
- XXIV. **Preparation, Growth and Magnetic Properties of NonvacuumMg doped ZnMnO Diluted Magnetic Semiconductors Nanoparticles**  
GÜLER A., BOYRAZ C., DOĞAN BİNGÖLBALİ N., ARDA L.  
INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND MATERIAL SCIENCES, 11 - 15 October 2017
- XXV. **PREPARATION GROWTH AND MAGNETIC PROPERTIES OF NONVACUMMED Mg doped ZnMnO DILUTE MAGNETIC SEMICONDUCTORS**  
GÜLER A., BOYRAZ C., DOĞAN BİNGÖLBALİ N., ARDA L.  
ICCCMMS 2017, 11 - 15 October 2017
- XXVI. **Preparation, Growth, and Magnetic Properties of Nonvacuum Mg Doped Diluted Magnetic Semiconductors Nanoparticles**  
GÜLER A., BOYRAZ C., DOĞAN BİNGÖLBALİ N., ARDA L.  
International Conference on Condensed Matter and Materials Science, 11 - 15 October 2017
- XXVII. **Process, characterization and ESR propertes of 3d transition ion doped teteahedrite compounds**  
GÜLER A., BOYRAZ C., rameev b., OKAY C.  
Magnetic Materials 2017, 9 - 10 October 2017
- XXVIII. **Process, characterization and ESR properties of 3d transition ion doped-tetrahedrite compounds**  
BOYRAZ C., GÜLER A., OKAY C., shulgin d., MOZZHUKHIN G., RAMİ B.  
Magnetism and Magnetic Materials, 9 - 10 October 2017
- XXIX. **Physical Properties of Eu<sub>3</sub> Doped Columbite CdNb<sub>2</sub>O<sub>6</sub> Powders**  
BOYRAZ C., GÜLER A., TOPKAYA R., EKMEKÇİ M. K.  
10 th international conference on magnetism and superconductivity MSM 2017, 18 - 21 September 2017
- XXX. **Morphology and Luminescence Characteristics of Yttriumdisilicate doped with Yb<sub>3</sub> Er<sub>3</sub> Ho<sub>3</sub> and Tm<sub>3</sub>**  
BOYRAZ C., ERDEM M., EKMEKÇİ M. K., TAV C., ERYÜREK G.  
2 nd world congress on new technologies ICNFA, 18 - 19 August 2016
- XXXI. **Synthesis Characterization of TetrahedriteCompounds for Thermoelectric Applications**  
GÜLER A., BOYRAZ C., SHULGİN D., MOZZHUKHIN G., RAMİ B.  
The 9th International Kharkiv Symposium on Physics and engineering of Microwaves, Milimeter and Submilimeter Waves, 20 - 24 June 2016
- XXXII. **EPR Studies of Tetrahedrite Doped by 3d Transition Ions**  
GÜLER A., OKAY C., BOYRAZ C., RAMAEEV B.  
NANOTR 12, Turkey, 3 - 05 June 2016
- XXXIII. **Magnetic properties of tetrahedrite Cu<sub>12</sub> xMxSb<sub>4</sub>S<sub>13</sub> M Au Fe Mn**  
GÜLER A., BOYRAZ C., RAMEEV B.  
NANOTR 12, Turkey, 3 - 05 June 2016
- XXXIV. **EPR Studies of 3d transition ions doped tetrahedrite 3 5 Haziran 2016**  
GÜLER A., OKAY C., Shulgin d., BOYRAZ C., şen a., RAMİ B.  
12th International Nanoscience and Nanotechnology Conference (NanoTR-12), Elite Hotel Darıca Kocaeli/Turkey., Turkey, 3 - 05 June 2016
- XXXV. **CHARACTERIZATION OF TETRAHEDRITE COMPOUNDS DOPED BY 3d TRANSITION IONS**

- BOYRAZ C., GÜLER A., ARDA L., RAMİ B.  
ICSM 2018, 29 - 30 April 2016
- XXXVI. **COEXISTENCE OF MAGNETISM AND SUPERCONDUCTIVITY IN Pt DOPED BaFe<sub>2</sub>As<sub>2</sub> COMPOUND**  
GÜLER A., BOYRAZ C., ÖZDEMİR M., ÖNER Y.  
ICSM 2016, 24 - 30 April 2016
- XXXVII. **THE TEMPERATURE EFFECT ON STRUCTURAL AND MAGNETIC PROPERTIES OF Zn<sub>0.95</sub>Fe<sub>0.050</sub> NANOPARTICLES**  
BOYRAZ C., yeşilbaş b., ARDA L.  
ICSM 2016, 24 - 30 April 2016
- XXXVIII. **EFFECT OF PLATINUM ON MAGNETIC AND SUPERCONDUCTIVITY PROPERTIES OF Ba<sub>0.2</sub>La<sub>0.8</sub>Fe<sub>2-x</sub>PtxAs<sub>2</sub> NANOPOWDERS**  
GÜLER A., BOYRAZ C.  
ICSM 2016, 24 - 30 April 2016
- XXXIX. **Phase Dependent Magnetic Properties of Neodymium Doped Yttrium Disilicate Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>**  
ERDEM M., BOYRAZ C.  
6th International Conference on NANOTECHNOLOGY, Roma, Italy, 7 - 09 November 2015
- XL. **Phase Dependent Magnetic Properties of Neodymium Doped Yttriumdisilicates**  
ERDEM M., BOYRAZ C.  
6th International Conference on Nanotechnology(NANOTECHNOLOGY '15), Italy, 7 - 09 November 2015, vol.55, pp.142-148
- XLI. **Structural and Magnetic Properties of Neodymium Doped Yttriumdisilicates with Neodimium**  
BOYRAZ C., ERDEM M.  
International Powder and Porous Materials 2015, İzmir, Turkey, 15 - 18 September 2015
- XLII. **Structural and Magnetic Properties of Yttriumdisilicates doped with Neodimium**  
BOYRAZ C., ERDEM M.  
International Powder Porous Materials,2015, 15 - 17 September 2015

## Tasks In Event Organizations

- Boyraz C., 3 International Materials Engineering and Advanced Manufacturing Technologies Congress (IMEAMTC'24), Scientific Congress, Turkey, Ocak 2024
- Boyraz C., 10. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Scientific Congress, Turkey, Aralık 2022
- Boyraz C., Uluslararası Malzeme Mühendisliği ve İleri İmalat Teknolojileri Kongresi (IMEAMTC'22), Scientific Congress, Turkey, Eylül 2022
- Boyraz C., Engineering and Technology, Natural Science, Scientific Congress, İstanbul, Turkey, Eylül 2020
- Boyraz C., International 2nd conference on sustainable energy and energy calculations, Scientific Congress, Turkey, Eylül 2020

## Metrics

- Publication: 84  
Citation (WoS): 277  
Citation (Scopus): 352  
H-Index (WoS): 9  
H-Index (Scopus): 9

## Congress and Symposium Activities

International Conference on Condensed Matter and Materials Science ICCMMS 2019, Working Group, Adana, Turkey, 2019

Cr/Co çift katkılı ZnO İnce Filmlerin, Hazırlama, Büyütme, Mikroyapı ve Optik Özellikleri (3RD INTERNATIONAL MULTIDISCIPLINARY STUDIES CONGRESS), Working Group, Kyyiv, Ukraine, 2018

EFFECT OF TEMPERATURE AND FILM THICKNESS ON RESIDUAL STRESS AND MICROSTRUCTURE OF ZnO THIN FILM (TMT2018), Working Group, Karlovy-Vary, Czech Republic, 2018

PREPARATION, GROWTH, AND MICROSTRUCTURAL PROPERTIES OF Cr DOPED ZnMgO THIN FILMS (TMT2018), Working Group, Karlovy-Vary, Czech Republic, 2018

STRUCTURAL AND MAGNETIC PROPERTIES OF TRANSITION METAL DOPED BaTiO<sub>3</sub> NANO PARTICLES BY SOL-GEL PROCESS (ICSM 2018), Working Group, Antalya, Turkey, 2018

Co, Ni, AND Fe ION EFFECTS ON PARENT TETRAHEDRITE COMPOUND (ICSM 2018), Working Group, Antalya, Turkey, 2018

CHARACTERIZATION OF TETRAHEDRITE COMPOUNDS DOPED BY 3d TRANSITION IONS (ICSM 2018), Working Group, Antalya, Turkey, 2018

Physical Properties of Fe doped Cu<sub>12</sub>Sb<sub>4</sub>S<sub>3</sub> (1 st international Symposium on Multidisciplinary Studies and Innovative Technologies Kiev), Working Group, Tokat, Turkey, 2017

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EFFECT OF PLATINUM ON MAGNETIC AND SUPERCONDUCTIVITY PROPERTIES OF Ba<sub>0.2</sub>La<sub>0.8</sub>Fe<sub>2-x</sub>PtxAs<sub>2</sub> NANOPOWDERS (ICSM 2016), Working Group, Muğla, Turkey, 2016