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### Eğitim Bilgileri

Bütünleşik Doktora, Universiteit Leiden, Üretim Yönetimi Ve Pazarlama Anabilim Dalı, Fizik, Hollanda 1986 - 1990

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 1983 - 1986

Lisans, Çukurova Üniversitesi, Fen Edebiyat Fakültesi, Fizik Mühendisliği, Türkiye 1979 - 1983

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Bazı Magnetik Maddelerin A.C Alanda Ölçülen Lineer Olmayan Duygunlukları , Universiteit Leiden, Çü. Fen Bilimleri Enstitüsü, Fizik, 1990

Yüksek Lisans, Oda Sıcaklığında Magnetik Maddelerin Mıknatıslanmasını Ölçebilen bir Magnetometre Yapımı, Kalibrasyonu ve Önölçümler , Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 1986

### Araştırma Alanları

Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Malzeme Karakterizasyonu, Fizik, Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler , Yoğun maddenin termal özellikleri, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Manyetik özellikler ve malzemeler, Süperiletkenlik, Temel Bilimler, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2000 - Devam Ediyor

Doç. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1994 - 2000

Yrd. Doç. Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1991 - 1994

Araştırma Görevlisi, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1984 - 1991

## Akademik İdari Deneyim

Çukurova Üniversitesi, 2012 - 2015

Çukurova Üniversitesi, 2002 - 2005

Çukurova Üniversitesi, 2002 - 2005

Çukurova Üniversitesi, 2000 - 2005

Çukurova Üniversitesi, Beden Eğitimi Ve Spor Yüksekokulu, 2000 - 2002

## Verdiği Dersler

Yüksek Sıcaklık Süperiletkenlerin Teknolojik Uygulamaları, Lisans, 2013 - 2014

Fizik2, Lisans, 2013 - 2014

Fizik 1, Lisans, 2013 - 2014

Yüksek Sıcaklık Süperiletkenliğine Giriş, Lisans, 2013 - 2014

## Yönetilen Tezler

ÖZÇELİK B., Polimerizasyon Tekniğiyle Üretilen Potasyum (K) katkılı BSCCO Süperiletken malzemelerin fiziksel özelliklerinin incelenmesi, Yüksek Lisans, E.Yalaz(Öğrenci), 2013

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ÖZÇELİK B., Nd ve Gd Katkılı Süperiletken Sisteminin Fiziksel ve Isısal Özellikleri, Doktora, B.Özkurt(Öğrenci), 2007

ÖZÇELİK B., Fosfin Metal Komplekslerinin Fiziksel Özellikleri, Yüksek Lisans, D.Yazıcı(Öğrenci), 2007

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ÖZÇELİK B., Nöron Dinamiğinin İncelenmesi, Yüksek Lisans, A.Murat(Öğrenci), 2003

ÖZÇELİK B., Bazı Magnetik Malzemelerin Fiziksel Özelliklerinin İncelenmesi, Yüksek Lisans, B.Özkurt(Öğrenci), 2003

ÖZÇELİK B., Antiferromagnetik Özellik Gösteren Seyreltik Malzemelerin Fiziksel Özellikleri, Yüksek Lisans, S.Seçkin(Öğrenci), 2003

ÖZÇELİK B., Magnetik Sistemlerin Faz Geçiş Bölgeleri Civarındaki Kritik Davranışlarının İncelenmesi, Yüksek Lisans, F.Karadağ(Öğrenci), 1998

ÖZÇELİK B., HTc Süperiletkenlerin Fiziksel Özelliklerinin Teorisi, Yüksek Lisans, A.Ekicibil(Öğrenci), 1998

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

- I. **Effect of divalent ion of strontium substitution on the structural, optical, magnetic and blood compatibility studies in cobalt ferrite**  
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- II. **Highly efficient magnetically separable SrFe<sub>12</sub>O<sub>19</sub> for photo-assisted oxidation of benzylic alcohol derivatives under visible light**  
AlDhawi Z. A., Alousi L., Ercan İ., ÖZÇELİK B., Kochkar H., Benali A.  
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- III. **Remarkable variation in microstructural, thermoelectric, and magnetic properties of CaMnO<sub>3</sub> through Ce doping**  
GÜRSUL M., ÇETİN G., ERGİN İ., Korkmaz L., ÖZÇELİK B., Torres M., Madre M., Sotelo A.  
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- IV. **Sr-doped CuFe<sub>2</sub>O<sub>4</sub> nanoparticles: Exploring structural, magnetic, and blood compatibility characteristics**  
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- V. **Drastic microstructural modification of Bi<sub>2</sub>Ca<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> ceramics by Na doping and laser texturing**  
Özçelik C., Depci T., Gürsul M., Çetin G., Özçelik B., Torres M. A., Madre M. A., Sotelo A.  
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- VI. **Structural, optical, and electrical properties of Zn(1-x)Mg<sub>x</sub>O nano-compounds and ZnO/Zn(1-x)Mg<sub>x</sub>O heterostructures**  
Ercan F., Alamroo N., Ghrib T., Kayed T., ÖZÇELİK B., ERCAN İ., Alonizan N., Abubshait S. A.  
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- VII. **BaTiO<sub>3</sub>/(Co<sub>0.8</sub>Ni<sub>0.1</sub>Mn<sub>0.1</sub>Fe<sub>1.9</sub>Ce<sub>0.1</sub>O<sub>4</sub>)(x) composites: Analysis of the effect of Co<sub>0.8</sub>Ni<sub>0.1</sub>Mn<sub>0.1</sub>Fe<sub>1.9</sub>Ce<sub>0.1</sub>O<sub>4</sub> doping at different concentrations on the structural, morphological, optical, magnetic, and magnetoelectric coupling properties of BaTiO<sub>3</sub>**  
Slimani Y., Sivakumar R., Meena S. S., Vignesh R., Yasin G., Hannachi E., Almessiere M. A., Trabelsi Z., Batoo K. M., Baykal A., et al.  
CERAMICS INTERNATIONAL, cilt.48, sa.20, ss.30499-30509, 2022 (SCI-Expanded)
- VIII. **Structural, magnetic and gamma-ray shielding features of Zn doped Mg<sub>2</sub>FeTiO<sub>6</sub> double perovskite**  
Alqahtani M., Ercan F., Saleh N. A., Mhareb M. H. A., Dwaikat N., Sayyed M. I., Abokhamis F., Abdulrazzaq A., ÖZÇELİK B., Ercan I., et al.  
PHYSICA B-CONDENSED MATTER, cilt.640, 2022 (SCI-Expanded)
- IX. **Detailed low temperature studies on thermoelectric performance of K-doped Bi<sub>2</sub>Ca<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> ceramics fibers**  
Ozcelik C., Depci T., Cetin G., Gursul M., Ozcelik B., Madre M. A., Sotelo A., Ando H., Terashima K., Takano Y.  
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- X. **Investigation of nano-crystalline strontium hexaferrite magnet powder from mill scale waste by the mechanochemical synthesis: Effect of the annealing temperature**  
İçin K., Ergin İ., Sünbül S. E., Öztürk S., Özçelik B., Çakıl D. D.  
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- XI. **Impact of silver addition on the superconducting performances of Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>0.925</sub>Na<sub>0.075</sub>Cu<sub>2</sub>O<sub>y</sub>:Ag composite fibers**  
Atilla B., Ergin İ., Gürsul M., Özçelik B.  
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- XII. **Role of Y substitution for Ca-site on magneto-resistivity properties of Bi-2212 superconductor rods prepared by LFZ**  
GÜRSUL M., Ozcelik C., ERGİN İ., Madre M. A., Sotelo A., ÖZÇELİK B.  
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- XIII. **Low temperature thermoelectric properties of Na-substituted Bi<sub>2</sub>Ca<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> ceramics fabricated via LFZ technique**  
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- XIV. **(BaTiO<sub>3</sub>)(1-x) + (Co<sub>0.5</sub>Ni<sub>0.5</sub>Nb<sub>0.06</sub>Fe<sub>1.94</sub>O<sub>4</sub>)(x) nanocomposites: Structure, morphology, magnetic and dielectric properties**  
 Slimani Y., Shirsath S. E., Hannachi E., Almessiere M. A., Aouna M. M., Aldossary N. E., Yasin G., Baykal A., ÖZÇELİK B., Ercan I.  
 JOURNAL OF THE AMERICAN CERAMIC SOCIETY, cilt.104, sa.11, ss.5648-5658, 2021 (SCI-Expanded)
- XV. **Tuning thermoelectric properties of Bi<sub>2</sub>Ca<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> through K doping and laser floating zone processing**  
 Ozcelik C., Depci T., GÜRSUL M., ÇETİN G., ÖZÇELİK B., Torres M. A., Madre M. A., Sotelo A.  
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- XVI. **Significant enhancement of superconducting performances of Bi-2212 fibers through combined sodium substitution and LFZ process**  
 GÜRSUL M., Ergin İ., Ozcelik C., Depci T., ÖZÇELİK B., Madre M. A., Sotelo A.  
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- XVII. **Structural, optical, magnetic, photocatalytic activity and related biological effects of CoFe<sub>2</sub>O<sub>4</sub> ferrite nanoparticles**  
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 Journal of Materials Science: Materials in Electronics, cilt.32, 2021 (SCI-Expanded)
- XVIII. **Structure, magnetic, photocatalytic and blood compatibility studies of nickel nanoferrites prepared by laser ablation technique in distilled water**  
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- XIX. **High speed processing of NiFe<sub>2</sub>O<sub>4</sub> spinel using a laser furnace**  
 Ozcelik B., Ozcelik S., Amaveda H., Santos H., Borrell C. J., Saez-Puche R., de la Fuente G. F., Angurel L. A.  
 JOURNAL OF MATERIONICS, cilt.6, sa.4, ss.661-670, 2020 (SCI-Expanded)
- XX. **A study on thermoelectric performance and magnetic properties of Ti-doped Bi<sub>2</sub>Sr<sub>2</sub>Co<sub>1.8</sub>O<sub>y</sub> ceramic materials**  
 Ozcelik B., Cetin G., Gursul M., Madre M., Sotelo A.  
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- XXI. **Increase of electric performances in Bi<sub>2</sub>Sr<sub>2-x</sub>Rb<sub>x</sub>Co<sub>2</sub>O<sub>8+delta</sub> laser grown ceramics induced by annealing**  
 ÖZÇELİK B., ÇETİN G., GÜRSUL M., Ozcelik C., Torres M. A., Madre M. A., Sotelo A.  
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- XXII. **Drastic modification of low temperature thermoelectric properties of Na-doped Bi<sub>2</sub>Sr<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> ceramics prepared via laser floating zone technique**  
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- XXIII. **Investigation of structural, morphological, optical, magnetic and dielectric properties of (1-x)BaTiO<sub>3</sub>/xSr<sub>0.92</sub>Ca<sub>0.04</sub>Mg<sub>0.04</sub>Fe<sub>12</sub>O<sub>19</sub> composites**  
 Slimani Y., Almessiere M. A., Shirsath S. E., Hannachi E., Yasin G., Baykal A., Ozcelik B., Ercan I.  
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- XXIV. **Effect of annealing and potassium substitution on the thermoelectric and magnetic properties of directionally grown Bi<sub>2</sub>Sr<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> ceramics**  
 ÇETİN G., ÖZÇELİK B., GÜRSUL M., Torres M. A., Madre M. A., Sotelo A.  
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- XXV. **Effect of Rubidium Substitution on the Physical and Superconducting Properties of Textured High-T<sub>c</sub>**

## **BSCCO Samples**

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- XXVI. **Structural, optical and magnetic properties of Tb<sup>3+</sup> substituted Co nanoferrites prepared via sonochemical approach**  
Sadaqat A., Almessiere M., Slimani Y., Guner S., Sertkol M., Albetran H., Baykal A., Shirsath S. E., Ozcelik B., Ercan I.  
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- XXVII. **Sonochemical Synthesis of CoFe<sub>2-x</sub>Nd<sub>x</sub>O<sub>4</sub> Nanoparticles: Structural, Optical, and Magnetic Investigation**  
Almessiere M. A., Slimani Y., Korkmaz A. D., Sertkol M., Baykal A., Ercan I., Ozcelik B.  
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- XXVIII. **Effect of Cesium Substitution on the Superconducting Properties of Bi-2212 Samples Prepared Via Solid-State Reaction and Laser Floating Zone Technique**  
Ergin İ., Ozcelik B., Madre M. A., Sotelo A.  
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- XXIX. **Sonochemical synthesis of Eu<sup>3+</sup> substituted CoFe<sub>2</sub>O<sub>4</sub> nanoparticles and their structural, optical and magnetic properties**  
Almessiere M. A., Slimani Y., Korkmaz A. D., Taskhandi N., Sertkol M., Baykal A., Shirsath S. E., Ercan I., Ozcelik B.  
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- XXX. **Structural, magnetic, optical properties and cation distribution of nanosized Ni<sub>0.3</sub>Cu<sub>0.3</sub>Zn<sub>0.4</sub>Tm<sub>x</sub>Fe<sub>2-x</sub>O<sub>4</sub> (0.0 ≤ x ≤ 0.10) spinel ferrites synthesized by ultrasound irradiation**  
Slimani Y., Almessiere M. A., Sertkol M., Shirsath S. E., Baykal A., Nawaz M., Akhtar S., Ozcelik B., Ercan I.  
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- XXXI. **Effect of Carbon Nanotube Addition on the Superconducting Properties of BSCCO Samples Textured via Laser Floating Zone Technique**  
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- XXXII. **Structural, superconducting and vortex pinning properties of Nb-substituted Bi-2212 ceramic superconductor**  
Nane F. K., Ozcelik B.  
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- XXXIII. **Magnetic and structural characterization of Nb<sup>3+</sup>-substituted CoFe<sub>2</sub>O<sub>4</sub> nanoparticles**  
Almessiere M. A., Slimani Y., Guener S., Nawaz M., Baykal A., Aldakheel F., Akhtar S., Ercan I., Belenli I., Ozcelik B.  
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- XXXIV. **Effect of Nb<sup>3+</sup> Substitution on the Structural, Magnetic, and Optical Properties of Co<sub>0.5</sub>Ni<sub>0.5</sub>Fe<sub>2</sub>O<sub>4</sub> Nanoparticles**  
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- XXXV. **Structural and physical properties of Na-substituted K<sub>0.8</sub>Fe<sub>2-y</sub>Se<sub>2</sub> single crystal**  
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- XXXVI. **The effect of Nb substitution on magnetic properties of BaFe<sub>12</sub>O<sub>19</sub> nano-hexaferrites**  
ALMESSIERE M. A., SLIMANI Y., TASHKANDI N. A., Baykal A., SARAÇ M. S., TRUKHANOV A. V., ERCAN I., BELENLI I., ÖZÇELİK B.  
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- XXXVII. **Effect of Na-substitution on magnetoresistance and flux pinning energy of Bi-2212 ceramics prepared via hot-forging process**  
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- XXXVIII. **Continuous processing of Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8</sub>+delta precursor powders**  
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- XXXIX. **The cooling rate effect on structure and flux pinning force of FeTeSe single crystal deposited by self-flux method**  
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- XL. **Effect of Na-doping on thermoelectric and magnetic performances of textured Bi<sub>2</sub>Sr<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> ceramics**  
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- XLI. **Improvement of Bi<sub>2</sub>Sr<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> thermoelectric performances by Na doping**  
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JOURNAL OF ELECTROCERAMICS, cilt.40, sa.1, ss.11-15, 2018 (SCI-Expanded)
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