

# Prof. BEKİR ÖZÇELİK

## Personal Information

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## International Researcher IDs

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Yoksis Researcher ID: 2290

## Education Information

Doctorate, Universiteit Leiden, Üretim Yönetimi Ve Pazarlama Anabilim Dalı, Fizik, Netherlands 1986 - 1990

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1983 - 1986

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Fizik Mühendisliği, Turkey 1979 - 1983

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

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

Postgraduate, Oda Sıcaklığında Magnetik Maddelerin Mıknatıslanmasını Ölçebilen bir Magnetometre Yapımı, Kalibrasyonu ve Önölçümler , Cukurova University, Fen Bilimleri Enstitüsü, Fizik, 1986

## Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Material Characterization, Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Thermal Properties of Condensed Matter, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Magnetic Properties and Materials, Superconductivity, Natural Sciences, Engineering and Technology

## Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2000 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1994 - 2000

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1991 - 1994

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1984 - 1991

## Academic and Administrative Experience

Cukurova University, 2012 - 2015  
Cukurova University, 2002 - 2005  
Cukurova University, 2002 - 2005  
Cukurova University, 2000 - 2005  
Cukurova University, Beden Eğitimi Ve Spor Yüksekokulu, 2000 - 2002

## Courses

Yüksek Sıcaklık Süperiletkenlerin Teknolojik Uygulamaları, Undergraduate, 2013 - 2014  
Fizik2, Undergraduate, 2013 - 2014  
Fizik 1, Undergraduate, 2013 - 2014  
Yüksek Sıcaklık Süperiletkenliğine Giriş, Undergraduate, 2013 - 2014

## Advising Theses

ÖZÇELİK B., Polimerizasyon Tekniğiyle Üretilen Potasyum (K) katkılı BSCCO Süperiletken malzemelerin fiziksel özelliklerinin incelenmesi, Postgraduate, E.Yalaz(Student), 2013  
ÖZÇELİK B., Lazer tekniği ile üretilen katkılı BSCCO süperiletkenlerin fiziksel özelliklerinin araştırılması, Doctorate, H.Gündoğmuş(Student), 2013  
ÖZÇELİK B., Atımlı Laser Yığılımı (PLD) Tekniği Kullanılarak Üretilen BSCCO İnce Filmlerin fiziksel özelliklerinin araştırılması, Doctorate, O.Nane(Student), 2013  
ÖZÇELİK B., Co katkısının BSCCO süperiletkeninin yapısal ve fiziksel özellikleri üzerindeki etkilerinin araştırılması, Postgraduate, A.Özslan(Student), 2013  
ÖZÇELİK B., Ce katkısının BSCCO süperiletkeninin fiziksel özellikleri üzerindeki etkilerinin araştırılması, Postgraduate, C.Kaya(Student), 2012  
ÖZÇELİK B., Tungsten katkılı BSCCO süperiletken malzeme üretimi ve üretilen malzemenin fiziksel özelliklerinin araştırılması, Postgraduate, N.Türk(Student), 2011  
ÖZÇELİK B., Tek fazlı BSCCO süperiletken malzeme üretimi ve üretilen malzemenin fiziksel özelliklerinin araştırılması, Doctorate, D.Yazıcı(Student), 2010  
ÖZÇELİK B., Sm1-xTbxNi4B Bileşiklerinin Fiziksel Özelliklerinin Araştırılması, Postgraduate, O.Nane(Student), 2009  
ÖZÇELİK B., Sm1-xGdxNi4B Bileşiklerinin Fiziksel Özelliklerinin Araştırılması, Postgraduate, N.Kantarıcı(Student), 2009  
ÖZÇELİK B., Nd ve Gd Katkılı Süperiletken Sisteminin Fiziksel ve Isısal Özellikleri, Doctorate, B.Özkurt(Student), 2007  
ÖZÇELİK B., Fosfin Metal Komplekslerinin Fiziksel Özellikleri, Postgraduate, D.Yazıcı(Student), 2007  
ÖZÇELİK B., Fosfinli Metal Komplekslerin Optik Özellikleri, Postgraduate, H.Gündoğmuş(Student), 2006  
ÖZÇELİK B., BSCCO Süperiletkenlerine Yapılan Katkıların Yapısal ve Fiziksel Özelliklerine Etkileri, Doctorate, A.Ekicibil(Student), 2005  
ÖZÇELİK B., BSCCO Süperiletken Sistemine Farklı Konsantrasyonlarda Godalanyum Katkılmasının Malzemenin Yapısal, Elektriksel ve Manyetik Özellikleri Üzerindeki Etkisi, Doctorate, A.Coşkun(Student), 2004  
ÖZÇELİK B., Bazı Magnetik Malzemelerin Fiziksel Özelliklerinin İncelenmesi, Postgraduate, B.Özkurt(Student), 2003  
ÖZÇELİK B., Nöron Dinamiğinin İncelenmesi, Postgraduate, A.Murat(Student), 2003  
ÖZÇELİK B., Antiferromagnetik Özellik Gösteren Seyreltik Malzemelerin Fiziksel Özellikleri, Postgraduate, S.Seçkin(Student), 2003  
ÖZÇELİK B., HTc Süperiletkenlerin Fiziksel Özelliklerinin Teorisi, Postgraduate, A.Ekicibil(Student), 1998  
ÖZÇELİK B., Magnetik Sistemlerin Faz Geçiş Bölgeleri Civarındaki Kritik Davranışlarının İncelenmesi, Postgraduate, F.Karadağ(Student), 1998  
ÖZÇELİK B., HTc Süperiletkenlerin Fiziksel Özelliklerinin İncelenmesi, Postgraduate, A.Coşkun(Student), 1998

- I. **Effect of divalent ion of strontium substitution on the structural, optical, magnetic and blood compatibility studies in cobalt ferrite**  
ERGİN İ., ÖZÇELİK S., İÇİN K., Yalçın B., Arda L., ÖZÇELİK B.  
Physica Scripta, vol.99, no.6, 2024 (SCI-Expanded)
- 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.  
Journal of Alloys and Compounds, vol.982, 2024 (SCI-Expanded)
- 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.  
Materials Science and Engineering: B, vol.299, 2024 (SCI-Expanded)
- IV. **Sr-doped CuFe<sub>2</sub>O<sub>4</sub> nanoparticles: Exploring structural, magnetic, and blood compatibility characteristics**  
ERGİN İ., ÖZÇELİK S., Yalçın B., Arda L., İÇİN K., ÖZÇELİK B.  
Ceramics International, 2024 (SCI-Expanded)
- 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.  
Boletín de la sociedad española de cerámica y vidrio, vol.61, no.6, pp.634-640, 2022 (SCI-Expanded)
- 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.  
MATERIALS CHEMISTRY AND PHYSICS, vol.290, 2022 (SCI-Expanded)
- 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, vol.48, no.20, pp.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, vol.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.  
PHYSICA SCRIPTA, vol.97, no.8, 2022 (SCI-Expanded)
- 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.  
MATERIALS CHEMISTRY AND PHYSICS, vol.290, no.126513, pp.1-15, 2022 (SCI-Expanded)
- 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.  
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.1, no.1, pp.1-10, 2022 (SCI-Expanded)
- 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.  
MATERIALS CHEMISTRY AND PHYSICS, vol.282, 2022 (SCI-Expanded)
- 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**

- Ozcelik B., Cetin G., Gursul M., Ozcelik C., Depci T., Madre M. A., Sotelo A., Ando H., Terashima K., Takano Y.  
MATERIALS CHEMISTRY AND PHYSICS, vol.278, 2022 (SCI-Expanded)
- 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, vol.104, no.11, pp.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.  
SOLID STATE SCIENCES, vol.120, 2021 (SCI-Expanded)
- 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.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.13, pp.17686-17699, 2021 (SCI-Expanded)
- XVII. **Structural, optical, magnetic, photocatalytic activity and related biological effects of CoFe<sub>2</sub>O<sub>4</sub> ferrite nanoparticles**  
YALÇIN B., ÖZÇELİK S., İÇİN K., ŞENTÜRK K., ÖZÇELİK B., ARDA L.  
Journal of Materials Science: Materials in Electronics, vol.32, 2021 (SCI-Expanded)
- XVIII. **Structure, magnetic, photocatalytic and blood compatibility studies of nickel nanoferrites prepared by laser ablation technique in distilled water**  
Ozcelik S., Yalcin B., Arda L., Santos H., Saez-Puche R., Angurel L. A., de la Fuente G. F., Ozcelik B.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.854, 2021 (SCI-Expanded)
- 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 MATERIMICS, vol.6, no.4, pp.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.  
MATERIALS CHEMISTRY AND PHYSICS, vol.256, 2020 (SCI-Expanded)
- 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.  
SOLID STATE SCIENCES, vol.108, 2020 (SCI-Expanded)
- 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**  
Cetin G., Ozcelik B., Gursul M., Madre M. A., Sotelo A., Adachi S., Takano Y.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.18, pp.15558-15564, 2020 (SCI-Expanded)
- 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.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.510, 2020 (SCI-Expanded)
- 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.  
Boletín de la Sociedad Española de Cerámica y Vidrio, vol.59, no.3, pp.121-128, 2020 (SCI-Expanded)
- XXV. **Effect of Rubidium Substitution on the Physical and Superconducting Properties of Textured High-T<sub>c</sub> BSCCO Samples**  
Ozcelik B., Ergin İ., Madre M. A., Sotelo A.

- JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.33, no.5, pp.1285-1292, 2020 (SCI-Expanded)
- 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.  
CERAMICS INTERNATIONAL, vol.45, pp.22538-22546, 2019 (SCI-Expanded)
- 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.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.12, pp.3837-3844, 2019 (SCI-Expanded)
- 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.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.11, pp.3439-3448, 2019 (SCI-Expanded)
- 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.  
ULTRASONICS SONOCHEMISTRY, vol.58, 2019 (SCI-Expanded)
- 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.  
ULTRASONICS SONOCHEMISTRY, vol.57, pp.203-211, 2019 (SCI-Expanded)
- XXXI. **Effect of Carbon Nanotube Addition on the Superconducting Properties of BSCCO Samples Textured via Laser Floating Zone Technique**  
Ozcelik B., Ergin İ., Depci T., Yavuz H., Madre M. A., Sotelo A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.10, pp.3135-3141, 2019 (SCI-Expanded)
- XXXII. **Structural, superconducting and vortex pinning properties of Nb-substituted Bi-2212 ceramic superconductor**  
Nane F. K., Ozcelik B.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, pp.12783-12789, 2019 (SCI-Expanded)
- 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.  
CERAMICS INTERNATIONAL, vol.45, no.7, pp.8222-8232, 2019 (SCI-Expanded)
- 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**  
Almessiere M. A., Slimani Y., Sertkol M., Nawaz M., Sadaqat A., Baykal A., Ercan I., ÖZÇELİK B.  
NANOMATERIALS, vol.9, no.3, 2019 (SCI-Expanded)
- XXXV. **Structural and physical properties of Na-substituted K<sub>0.8</sub>Fe<sub>2-y</sub>Se<sub>2</sub> single crystal**  
GÜRSUL M., ÖZÇELİK B., LIU M., BOLTALIN A. I., MOROZOV I. V.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.777, pp.1074-1079, 2019 (SCI-Expanded)
- XXXVI. **The effect of Nb substitution on magnetic properties of BaFe<sub>12</sub>O<sub>19</sub> nanohexaferrites**  
ALMESSIERE M. A., SLIMANI Y., TASHKANDI N. A., Baykal A., SARAÇ M. S., TRUKHANOV A. V., ERCAN I., BELENLI I., ÖZÇELİK B.  
CERAMICS INTERNATIONAL, vol.45, no.2, pp.1691-1697, 2019 (SCI-Expanded)
- XXXVII. **Effect of Na-substitution on magnetoresistance and flux pinning energy of Bi-2212 ceramics prepared via hot-forging process**  
ÖZÇELİK B., GÜRSUL M., Nane F. K., Madre M. A., Sotelo A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.22, pp.19147-19154, 2018 (SCI-Expanded)
- XXXVIII. **Continuous processing of Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8</sub>+delta precursor powders**  
LALIENA C., AMAVEDA H., ÖZÇELİK B., MARTINEZ E., DE LA FUENTE G. F., ANGUREL L. A.

CERAMICS INTERNATIONAL, vol.44, no.12, pp.14865-14872, 2018 (SCI-Expanded)

- XXXIX. **The cooling rate effect on structure and flux pinning force of FeTeSe single crystal deposited by self-flux method**  
Farisoğulları D., GULER N. K., Yakinci K., EKİCİBİL A., KARADAĞ F., Yakinci M. E., ÖZÇELİK B.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.8, pp.6477-6483, 2018 (SCI-Expanded)
- 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**  
KARAKAYA G., ÖZÇELİK B., TORRES M. A., Madre M. A., Sotelo A.  
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.38, no.2, pp.515-520, 2018 (SCI-Expanded)
- XLI. **Improvement of Bi<sub>2</sub>Sr<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> thermoelectric performances by Na doping**  
KARAKAYA G., ÖZÇELİK B., Nane O., Sotelo A., RASEKH S., TORRES M. A., Madre M. A.  
JOURNAL OF ELECTROCERAMICS, vol.40, no.1, pp.11-15, 2018 (SCI-Expanded)
- XLII. **Physical, electrical and magnetic properties of Cr doped Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>1</sub>Cu<sub>2-x</sub>Cr<sub>x</sub>O<sub>y</sub> (Bi-2212) superconductors prepared by laser floating zone technique**  
Gun E., Ozkurt B., ÖZÇELİK B., Madre M. A., Sotelo A., DIEZ J. C.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.17, pp.13120-13125, 2017 (SCI-Expanded)
- XLIII. **Effects of K substitution on thermoelectric and magnetic properties of Bi<sub>2</sub>Sr<sub>2</sub>Co<sub>2</sub>O<sub>y</sub> ceramic**  
KARAKAYA G., ÖZÇELİK B., TORRES M. A., Madre M. A., Sotelo A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.17, pp.12652-12659, 2017 (SCI-Expanded)
- XLIV. **Effect of Na substitution and Ag addition on the superconducting properties of Bi-2212 textured materials**  
ÖZÇELİK B., NANE O., Sotelo A., AMAVEDA H., Madre M. A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.8, pp.6278-6283, 2017 (SCI-Expanded)
- XLV. **Effect of Na substitution on superconducting properties of Bi-2212 ceramics prepared by Sinter-Forged process**  
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- LXXV. **Effect of Na And Ag Co-Doping on the Electrical and Mechanical Properties of Bi-2212 Textured Materials**  
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- LXXX. **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**  
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- LXXXIII. **Effect of Sodium Substitution on Superconductivity in Bi 2212 Textured Rods for Current Limiter Applications**  
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- ÖZÇELİK B., Project Supported by Higher Education Institutions, BSCO Seramik Malzemesinin Termoelektrik Parametrelerine Rubidyum Rb Katkısının Araştırılması, 2019 - 2021
- ÖZÇELİK B., ÇETİN G., Project Supported by Higher Education Institutions, LFZ Tekniğiyle Bi2Sr2xNaxCo2Ox ve Bi2Sr2xKxCo2Ox Termoelektrik Malzemelerin Üretimi ve Karakterizasyonu, 2016 - 2021
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- ÖZÇELİK B., GÜRSUL M., Project Supported by Higher Education Institutions, FeSe Tabanlı Kristallerin Üretimi Karakterizasyonu ve Fiziksel Özelliklerinin Araştırılması, 2015 - 2019
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- ÖZÇELİK B., Project Supported by Higher Education Institutions, Bilim İnsanı Yetiştirme ve Destekleme Projesi, 2017 - 2017
- ÖZÇELİK B., Project Supported by Higher Education Institutions, Improvement of Physical Properties of Bi2212 textured materials by Substituting Na and Adding Ag, 2016 - 2017
- ÖZÇELİK B., NANE O., Project Supported by Higher Education Institutions, Termoelektrik Bi2Sr2Co2Ox Malzemesine Potasyum Katkısının Etkileri, 2016 - 2017
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## Congress and Symposium Activities

The 8th Asian Conference on Applied Superconductivity and Cryogenics (ACASC2015), 22-25 Kasım, 2015 Çin., Attendee, Hangzhou, China, 2015  
9th International Conference on Magnetic and Superconducting Materials (MSM15), Attendee, Antalya, Turkey, 2015  
4. International Congress on Superconductivity and Magnetism ICSM-2014, Attendee, Antalya, Turkey, 2014  
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2. International Student Workshop on Condensed Matter and Materials Physics, Attendee, Antalya, Turkey, 2011  
EUCAS-2011, The Joint Centennial Conference on Applied Superconductivity., Attendee, Den Haag, Netherlands, 2011  
Moscow International Symposium on Magnetism, Attendee, Moskova, Russia, 2011

5th International Conference on Material Science and Condensed Matter Physics, Attendee, Chisinau, Moldova, 2010  
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