

# Prof. ALİ GENÇER

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, University of Birmingham, United Kingdom 1989 - 1994

Postgraduate, The University of Sussex, Fizik , United Kingdom 1988 - 1989

Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1982 - 1986

## Dissertations

Postgraduate, AA Alınganlık Kriyostat tasarım ve Yapımı, The University of Sussex, Fizik , 1989

## Research Areas

Physics, Natural Sciences

## Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2004 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 1996 - 2004

Assistant Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 1994 - 1996

## Courses

FİZİK II, Undergraduate, 2013 - 2014, 2012 - 2013

FİZİK I, Undergraduate, 2013 - 2014, 2012 - 2013

UYGULAMALI SÜPERİLETKENLİĞİN TEMELLERİ, Postgraduate, 2012 - 2013

İLERİ MALZEME FİZİĞİ I, Postgraduate, 2012 - 2013

ELEKTROMANYETİK DALGALAR, Undergraduate, 2012 - 2013

KUANTUM FİZİĞİ LABORATUARI, Undergraduate, 2012 - 2013

İLERİ MALZEME FİZİĞİ II, Postgraduate, 2012 - 2013

## Advising Theses

GENÇER A., Bi-2223 superconductor coil/tapes, design, construction and characterisation: Investigation of magnetic energy storage capacity, Doctorate, E.ŞİMŞEK(Student), 2018

GENÇER A., Karbon katkılanmış nano bor ilaveli bi-2223 süperiletken yığın ve tellerin üretimi ve karakterizasyonu, Postgraduate, H.ÖZTÜRK(Student), 2017

GENÇER A., İndüktif tip süperiletken hatalı akım sınırlayıcı cihaz tasarımı ve çalıştırılması, Doctorate, S.GEÇER(Student), 2017

GENÇER A., Süperiletken hatalı akım sınırlayıcı (SHAS) tasarımı, üretimi ve karakterizasyonu, Doctorate, E.ERTEKİN(Student), 2016

GENÇER A., Organik bileşik katkılı MgB<sub>2</sub> süperiletken tellerin üretimi ve fiziksel karakterizasyonu, Doctorate, H.AĞIL(Student), 2014

GENÇER A., Farklı formlarda süperiletken tellerde transport ve alternatif akım kayıp özelliklerinin kıyaslanması, Doctorate, Ö.ÇİÇEK(Student), 2014

GENÇER A., B<sub>4</sub>C katkılanmış MgB<sub>2</sub> süperiletkeninin fiziksel özellikleri, Postgraduate, S.KHANKESHIZADEH(Student), 2012

GENÇER A., Aromatik hidrokarbon katkılı MgB<sub>2</sub> süperiletkenlerin elektromanyetik karakterizasyonu, Doctorate, M.GÜNGÖR(Student), 2012

GENÇER A., SiC katkılanmış MgB<sub>2</sub> süperiletkenin manyetik karakterizasyonu, Postgraduate, D.BUMİN(Student), 2010

GENÇER A., MgB<sub>2</sub> süperiletken tellerde alternatif akım kaybı ve akı perçinleme mekanizmaları, Doctorate, S.SAFRAN(Student), 2010

GENÇER A., C katkılanmış MgB<sub>2</sub> süperiletkeninin fiziksel özellikleri, Postgraduate, E.ERTEKİN(Student), 2010

GENÇER A., Bor esaslı intermetalik bileşiklerin manyetik,yapısal ve termal karakterizasyonu, Postgraduate, H.AĞIL(Student), 2008

GENÇER A., Nano boyutta Fe<sub>3</sub>O<sub>4</sub> katkılanmış MgB<sub>2</sub> süperiletkenin manyetik karakterizasyonu, Postgraduate, Ö.ÇİÇEK(Student), 2007

GENÇER A., Nano boyutta katkılanmış MgB<sub>2</sub> süperiletkenin manyetik karakterizasyonu, Ö.ÇİÇEK(Student), 2007

GENÇER A., Nadir toprak elementli bileşiklerin manyetik, yapısal ve termal karakterizasyonu, Postgraduate, E.AKGÜN(Student), 2007

GENÇER A., Yüksek teknoloji ürünü malzemelerin magnetik karakterizasyonu, Doctorate, A.KILIÇ(Student), 2005

GENÇER A., Süperiletkenlerin magnetik özelliklerinin modelleme ve ölçme teknikleri ile incelenmesi, Doctorate, N.GÜÇLÜ(Student), 2003

GENÇER A., Yüksek sıcaklık süperiletkenlerde AC kayıpların incelenmesi, Postgraduate, M.ŞEYLAN(Student), 2000

GENÇER A., Yüksek sıcaklık süperiletken malzemelerin üretimi ve fiziksel özelliklerinin tayini, Postgraduate, A.KILIÇ(Student), 2000

GENÇER A., Yüksek sıcaklık süperiletkenlerde magnetik ve elektrik özelliklerin incelenmesi, Postgraduate, E.AKSU(Student), 1998

GENÇER A., Yüksek sıcaklık süperiletken (YSS) malzemelerin fiziksel özelliklerinin incelenmesi, Postgraduate, A.BABACAN(Student), 1996

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

- I. **The 6th International Conference on Superconductivity and Magnetism-ICSM2018, Kemer-Antalya, Turkey: a Dedication to Science and Technology**  
GENÇER A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.9, pp.2717-2720, 2019 (SCI-Expanded)
- II. **Test of 6-kVA Three-Phase Flux Transfer-Type Current-Limiting Transformer**  
Ertekin E., Gecer S., Yanmaz E., Safran S., Kosa J., Kilicarslan E. S., Kilic A., Amemiya N., Gencer A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.12, pp.3549-3553, 2017 (SCI-Expanded)
- III. **Role of Aniline Addition in Structural and Superconducting Properties of MgB<sub>2</sub> Bulk Superconductor**  
AĞIL H., Aksu E., GENÇER A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.10, pp.2735-2740, 2017 (SCI-Expanded)
- IV. **The Effects of Structural, Thermal, and Magnetic Properties of Hexylbenzene-Doped MgB<sub>2</sub> Superconductor**

- AĞIL H., Aksu E., AKTÜRK S., GENÇER A.  
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.7, pp.1727-1736, 2017 (SCI-Expanded)
- V. **On the Highlights of the Fifth International Conference on Superconductivity and Magnetism-ICSM 2016, Fethiye, Turkey**  
 GENÇER A.  
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.3, pp.715-719, 2017 (SCI-Expanded)
- VI. **Changes in mechanical and structural properties of Bi-2212 added MgB<sub>2</sub> superconductors**  
 Koparan E. T., Savaskan B., Ozturk O., Kaya S., Aksoy C., Wang J., Speller S. C., Grovenor C. R. M., Gencer A., Yanmaz E.  
 JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.27, no.6, pp.6060-6070, 2016 (SCI-Expanded)
- VII. **Switching and Decoupling Effects in a Single-Phase Transformer Using Extra DC Current**  
 Gecer S., Ertekin E., Yanmaz E., Kosa J., Safran S., Ozguzel R., Kilicarslan E. S., Kilic A., Gencer A.  
 IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.26, no.3, 2016 (SCI-Expanded)
- VIII. **Influence of Nanostructural Inhomogeneities on Superconducting Characteristics of MgB<sub>2</sub>**  
 Prikhna T., Eisterer M., Gencer A., Weber H. W., Gawalek W., Akdogan M., Kovylaev V., Moshchil V., Kozyrev A., Karpets M., et al.  
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.28, no.2, pp.525-530, 2015 (SCI-Expanded)
- IX. **On the Highlights of the 4(th) International Conference on Superconductivity and Magnetism-ICSM2014, Antalya, Turkey PREFACE**  
 Gencer A.  
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.28, no.2, pp.279-283, 2015 (SCI-Expanded)
- X. **High-Field Pinning Potential in YBCO Films with Nanoengineered Pinning Centres**  
 Collazos J. C., Guner S. B., Celik M. E., Oprea A., Gencer A., Crisan A.  
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.28, no.2, pp.355-360, 2015 (SCI-Expanded)
- XI. **AC susceptibility analysis on MgB<sub>2</sub> bulk and Ti-sheathed wire superconductors**  
 Cicek O., Yetis H., GENÇER A.  
 CRYOGENICS, vol.63, pp.143-147, 2014 (SCI-Expanded)
- XII. **Fabrication and characterization of C15H12O<sub>2</sub> doped MgB<sub>2</sub> bulk superconductors**  
 Agil H., Yetis H., Akdogan M., Altug C., Akturk S., Gencer A.  
 CRYOGENICS, vol.63, pp.138-142, 2014 (SCI-Expanded)
- XIII. **Special Section: CHATS in Applied Superconductivity 2013**  
 Gencer A., Nishimura A.  
 CRYOGENICS, vol.63, pp.102, 2014 (SCI-Expanded)
- XIV. **The role of various boron precursor on superconducting properties of MgB<sub>2</sub>/Fe**  
 Safran S., Kilicarslan E., Kilic A., Gencer A.  
 CRYOGENICS, vol.63, pp.133-137, 2014 (SCI-Expanded)
- XV. **Influence of different boron precursors on superconducting and mechanical properties of MgB<sub>2</sub>**  
 Safran S., Kilic A., Asikuzun E., Kilicarslan E., Ozturk O., Gencer A.  
 JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.6, pp.2737-2747, 2014 (SCI-Expanded)
- XVI. **Experimentally Determined Magnetization ac Losses of Mono and Multifilamentary MgB<sub>2</sub> Wires**  
 Safran S., Souc J., Goemoery F., Kovac P., Gencer A.  
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1557-1561, 2013 (SCI-Expanded)
- XVII. **Effects of MgO on the Electronic and Superconducting Properties in Succinic Acid (C<sub>4</sub>H<sub>6</sub>O<sub>4</sub>) Doped MgB<sub>2</sub> Bulks**  
 Agil H., Cicek O., Ertekin E., Motaman A., Hossain M. S. A., Dou S. X., Gencer A.  
 JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1525-1529, 2013 (SCI-Expanded)
- XVIII. **On the reflection of 3rd international conference on superconductivity and magnetism - ICSM2012, between 29th April-4th May, 2012, Istanbul, Turkey**  
 GENÇER A.  
 Journal of Superconductivity and Novel Magnetism, vol.26, no.4, pp.739-741, 2013 (SCI-Expanded)

- XIX. **Structurally homogeneous MgB<sub>2</sub> superconducting wires through economical wet mixing process**  
Hossain M. A., Motaman A., Xu X., See K. W., Çiçek Ö., Ağıl H., Ertekin E., GENÇER A., Cheong K., Maeda M., et al.  
Materials Letters, vol.91, pp.356-358, 2013 (SCI-Expanded)
- XX. **The effects of annealing temperature on the in-field J<sub>c</sub> and surface pinning in silicone oil doped MgB<sub>2</sub> bulks and wires**  
Hossain M., Motaman A., Çiçek Ö., Ağıl H., Ertekin E., GENÇER A., Wang X., Dou S.  
Cryogenics, vol.52, no.12, pp.755-759, 2012 (SCI-Expanded)
- XXI. **Special Issue Papers: ACASC 2011 Preface**  
Roy A., Datta T. S., Amemiya N., Bhandari R. K., Chang H., Chen J., Gencer A., Haruyama T., Kaw P. K., Li L., et al.  
CRYOGENICS, vol.52, no.12, pp.637, 2012 (SCI-Expanded)
- XXII. **Microstructural and superconducting properties of C 6H 6 added bulk MgB<sub>2</sub> superconductor**  
Babaoglu M. G., SAFRAN S., Çiçek Ö., Ağıl H., Ertekin E., Hossain M. A., Yanmaz E., GENÇER A.  
Journal of Magnetism and Magnetic Materials, vol.324, no.21, pp.3455-3459, 2012 (SCI-Expanded)
- XXIII. **Fabrication and transport critical current densities of MgB<sub>2</sub>/Fe/Cu multifilament tapes without any intermediate annealing**  
Yucel E., Terzioglu C., Varilci A., GENÇER A., Belenli I.  
Acta Physica Polonica A, vol.121, no.3, pp.660-665, 2012 (SCI-Expanded)
- XXIV. **Reflection on the 2nd international conference on superconductivity and magnetism-ICSM2010**  
GENÇER A.  
Journal of Superconductivity and Novel Magnetism, vol.24, no.5, pp.1371-1374, 2011 (SCI-Expanded)
- XXV. **Transport AC Loss Measurements and Simulations in Bi-2223/Ag Tape with Ni Cover at the Edges**  
Çiçek Ö., Gömöry F., Gencer A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, no.1-2, pp.391-394, 2011 (SCI-Expanded)
- XXVI. **AC losses of monofilament Ti-clad MgB<sub>2</sub> wire**  
Safran S., Šouc J., Rostila L., Brisigotti S., Gömöry F., GENÇER A.  
Journal of Superconductivity and Novel Magnetism, vol.24, no.1-2, pp.437-441, 2011 (SCI-Expanded)
- XXVII. **Fabrication and superconducting properties of ex-situ processed MgB<sub>2</sub>/Fe monofilament tapes without any intermediate annealing**  
Yucel E., Terzioglu C., Varilci A., GENÇER A., Belenli I.  
Chinese Journal of Physics, vol.49, no.3, pp.809-821, 2011 (SCI-Expanded)
- XXVIII. **Magnetic characterization of SiC doped bulk MgB<sub>2</sub> superconductor**  
Bumin D., Yanmaz E., Basoglu M., GENÇER A.  
Journal of Superconductivity and Novel Magnetism, vol.24, no.1-2, pp.211-215, 2011 (SCI-Expanded)
- XXIX. **Low field AC susceptibility study of YBCO prepared by top seeded melt growth**  
Güçlü N., Yeşilkanat C., Ağıl H., Doğan F., GENÇER A., Kölemen U.  
Journal of Superconductivity and Novel Magnetism, vol.24, no.1-2, pp.261-264, 2011 (SCI-Expanded)
- XXX. **Critical current and AC loss of DI-BSCCO tape modified by the deposition of ferromagnetic layer on edges**  
SAFRAN S., Vojenciak M., GENÇER A., Gömöry F.  
IEEE Transactions on Applied Superconductivity, vol.20, no.5, pp.2294-2300, 2010 (SCI-Expanded)
- XXXI. **AC loss in stacks of Bi-2223/Ag tapes modified with ferromagnetic covers at the edges**  
Safran S., Gömöry F., GENÇER A.  
Superconductor Science and Technology, vol.23, no.10, 2010 (SCI-Expanded)
- XXXII. **Magnetic properties and magnetocaloric effect of Ce<sub>2</sub>GdCo<sub>11</sub>B<sub>4</sub> boride**  
Kervan N., Kervan S., Sözeri H., GENÇER A.  
Materials Chemistry and Physics, vol.116, no.2-3, pp.586-588, 2009 (SCI-Expanded)
- XXXIII. **Magnetic properties of Ce<sub>3-x</sub>Gd<sub>x</sub>Co<sub>11</sub>B<sub>4</sub> borides**  
Kervan N., Kervan S., Sözeri H., GENÇER A.  
Journal of Alloys and Compounds, vol.480, no.2, pp.216-219, 2009 (SCI-Expanded)
- XXXIV. **Magnetic properties of the PrCo<sub>4</sub> - xNi<sub>x</sub>B borides**  
Ağıl H., Kervan N., Kervan S., Sözeri H., GENÇER A.

- Journal of Alloys and Compounds, vol.478, no.1-2, pp.437-440, 2009 (SCI-Expanded)
- XXXV. **The International Conference on Superconductivity and Magnetism (ICSM2008) (Side, Turkey, 25-29 August 2008)**  
GENÇER A., Grasso G.  
Superconductor Science and Technology, vol.22, no.3, 2009 (SCI-Expanded)
- XXXVI. **Magnetic properties of the Pr(1-x)Gd(x)Co(4)B compounds**  
Kervan N., Kervan S., Gencer A.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.320, no.21, pp.2839-2843, 2008 (SCI-Expanded)
- XXXVII. **Effects of the substitution of gadolinium for neodymium on the crystal and magnetic properties of the Nd(1-x)Gd(x)Co(4)B compounds**  
Kervan N., Kervan S., Gencer A.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.69, no.11, pp.2791-2795, 2008 (SCI-Expanded)
- XXXVIII. **Magnetocaloric effect in CeCo4B compound**  
Gencer H., Kervan N., Gencer A., GÜNEŞ M., Atalay S.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.466, no.1-2, pp.1-4, 2008 (SCI-Expanded)
- XXXIX. **Effects of Nb2O5 addition on superconducting properties of BSCCO**  
Ghazanfari N., Kilic A., Gencer A., Oezkan H.  
SOLID STATE COMMUNICATIONS, vol.144, no.5-6, pp.210-214, 2007 (SCI-Expanded)
- XL. **Low-field AC susceptibility in Pr1-xHoxMn2Ge2**  
Kilic A., Kervan N., Kervan S., Gencer A., Ozkan H.  
SOLID STATE COMMUNICATIONS, vol.141, no.4, pp.223-227, 2007 (SCI-Expanded)
- XLI. **AC susceptibility study of a multi-filamentary Bi-2212/Ag superconducting tape**  
Gencer A., Aksu E., Ozogul Ö., Yakinci M. E.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.445, pp.772-776, 2006 (SCI-Expanded)
- XLII. **Effect of cooling rates on bare bulk and silver wrapped pellets of Bi-2223 superconductor**  
Terzioglu C., Ozturk O., Kilic A., Gencer A., Belenli I.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.434, no.2, pp.153-156, 2006 (SCI-Expanded)
- XLIII. **Influence of Ho substitution for Nd on magnetic properties of the Nd1-xHoxMn2Ge2 germanides**  
Kervan N., Kilic A., Kervan S., Gencer A.  
SOLID STATE COMMUNICATIONS, vol.138, no.2, pp.55-59, 2006 (SCI-Expanded)
- XLIV. **Magnetic behavior in Ce1-xTbxMn2Si2 silicides by XRD, DSC and AC susceptibility measurements**  
Kervan S., Kilic A., Aksu E., Gencer A.  
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol.242, no.15, pp.3195-3200, 2005 (SCI-Expanded)
- XLV. **Magnetic properties of Tb1-xSmxMn2Si2 silicides**  
Kilic A., Kervan S., Gencer A.  
PHYSICA B-CONDENSED MATTER, vol.363, no.1-4, pp.55-60, 2005 (SCI-Expanded)
- XLVI. **Low-field behavior of Ti-added MgB2/Cu superconducting wires**  
Gencer A., Kilic A., Guclu N., Ozyuzer L., Belenli I.  
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.15, no.2, pp.3352-3355, 2005 (SCI-Expanded)
- XLVII. **Investigation of odd-order harmonic susceptibilities of a bulk Tl2Ba2Ca2Cu3O10 superconductors using critical state approach**  
Aksu E., Gencer A., Calinli N., Koralay H., Cavdar S.  
PHYSICA B-CONDENSED MATTER, vol.363, no.1-4, pp.158-165, 2005 (SCI-Expanded)
- XLVIII. **Magnetism on the Tb1-xNdxMn2Si2 silicides**  
Kilic A., Kervan S., ÖZCAN Ş., Gencer A.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.288, pp.244-249, 2005 (SCI-Expanded)
- XLIX. **Low-field magnetic behavior of LaMn2-xNixSi2 silicides**  
Gencer A., Kilic A., Kervan S.  
PHYSICA STATUS SOLIDI B-BASIC RESEARCH, vol.241, no.15, pp.3645-3649, 2004 (SCI-Expanded)
- L. **Magnetic phase diagram of the intermetallic LaMn2-xCuxSi2 silicides**  
Kilic A., Kervan S., Gencer A.

- JOURNAL OF ALLOYS AND COMPOUNDS, vol.379, no.1-2, pp.31-35, 2004 (SCI-Expanded)
- L.I. **Structural and low-field magnetic characterization of superconducting MgB2 wires**  
Kilic A., Okur S., Guclu N., Koleman U., Uzun O., Ozyuzer L., Gencer A.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.415, no.1-2, pp.51-56, 2004 (SCI-Expanded)
- L.II. **Magnetic characterization of intermetallic PrMn2Ge2-xSix compounds by AC susceptibility, x-ray diffraction and differential scanning calorimetry studies**  
Kervan S., Kilic A., Gencer A.  
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.16, no.28, pp.4955-4962, 2004 (SCI-Expanded)
- L.III. **A magnetic study of LaMn2-xCoxSi2 silicides**  
Kervan S., Kilic A., Gencer A.  
PHYSICA B-CONDENSED MATTER, vol.349, no.1-4, pp.384-389, 2004 (SCI-Expanded)
- L.IV. **Structural and magnetic properties of Gd1-xPrxMn2Si2 silicides**  
Kilic A., Kervan S., Gencer A.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.372, no.1-2, pp.25-29, 2004 (SCI-Expanded)
- L.V. **Magnetic properties of Pr1-xGdxMn2Ge2 compounds**  
Kilic A., Kervan S., ÖZCAN Ş., Gencer A.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.370, no.1-2, pp.47-52, 2004 (SCI-Expanded)
- L.VI. **Harmonic generation in an Ag-clad bulk BSCCO superconductor**  
Guclu N., Kilic A., Askerzade İ., Gencer A.  
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.201, no.5, pp.995-1000, 2004 (SCI-Expanded)
- L.VII. **AC susceptibility, XRD and DSC studies of Sm1-xGdxMn2Si2 silicides**  
Kervan S., Kilic A., Gencer A.  
PHYSICA B-CONDENSED MATTER, vol.344, no.1-4, pp.195-200, 2004 (SCI-Expanded)
- L.VIII. **Ac magnetic response of MgB2 bulk superconductor based on the Anderson-Kim model**  
Ozogul Ö., Guclu N., Gencer A.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.402, no.1-2, pp.209-215, 2004 (SCI-Expanded)
- L.IX. **Magnetic phase transitions in LaMn2-xFexSi2 silicides**  
Kervan S., Kilic A., ÖZCAN Ş., Gencer A.  
SOLID STATE COMMUNICATIONS, vol.130, no.1-2, pp.101-105, 2004 (SCI-Expanded)
- L.X. **Fundamental and high-order harmonic susceptibilities of a BSCCO(2223) bulk superconductor**  
Aksu E., Gencer A., Yilmaz H., Nezir S.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.391, no.1, pp.67-74, 2003 (SCI-Expanded)
- L.XI. **Investigations of even-order harmonic susceptibilities of MgB2 superconductors using critical state approach**  
Gencer A., Guclu N., Yilmaz H., Kilic A., Askerzade İ., Aksu E., Hascicek Y.  
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.13, no.2, pp.3514-3517, 2003 (SCI-Expanded)
- L.XII. **Harmonic response of a bulk superconductor MgB2**  
Guclu N., Kilic A., Askerzade İ., Gencer A.  
MODERN PHYSICS LETTERS B, vol.17, no.10-12, pp.691-695, 2003 (SCI-Expanded)
- L.XIII. **Degradation of superconducting properties in MgB2 by formation of the MgB4 phase**  
Yakinci M., Balci Y., Aksan M., Adiguzel H., Gencer A.  
JOURNAL OF SUPERCONDUCTIVITY, vol.15, no.6, pp.607-611, 2002 (SCI-Expanded)
- L.XIV. **Thermodynamic magnetic field and specific heat jump of a bulk superconductor MgB2 using two-band Ginzburg-Landau theory**  
Askerzade İ., Gencer A.  
JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, vol.71, no.7, pp.1637-1639, 2002 (SCI-Expanded)
- L.XV. **Two-band Ginzburg-Landau theory for the lower critical field H-c1 in MgB2**  
Askerzade İ., Gencer A., Guclu N., Kilic A.  
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.15, no.6, 2002 (SCI-Expanded)
- L.XVI. **Influence of low magnetic fields on ac losses in bulk superconductor**

**Bi<sub>1.84</sub>Pb<sub>0.34</sub>Sr<sub>1.91</sub>Ca<sub>2.03</sub>Cu<sub>3.06</sub>O<sub>10</sub>**

Gencer A., Aksu E., Yilmaz H., Aydmuraz A.

SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.15, no.4, pp.592-597, 2002 (SCI-Expanded)

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- I. **Gözde Bilim ve Teknoloji Alanı Bor Esaslı Süperiletkenler**  
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- II. **Superconducting properties of Ag and Ag Cu Alloy Sheathed Bi 2223 Wires**  
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## Supported Projects

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## Metrics

Publication: 105

Citation (WoS): 653

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H-Index (WoS): 13

H-Index (Scopus): 12

## **Artistic Activity**

GENÇER A., International Conference on Superconductivity and Magnetism-ICSM2018, April 2018

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