

## Prof. Dr. ALİ GENÇER

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, University of Birmingham, Birleşik Krallık 1989 - 1994

Yüksek Lisans, The University of Sussex, Fizik , Birleşik Krallık 1988 - 1989

Lisans, Karadeniz Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1982 - 1986

### Yaptığı Tezler

Yüksek Lisans, AA Alınanlık Kriyostat tasarım ve Yapımı, The University of Sussex, Fizik , 1989

### Araştırma Alanları

Fizik, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2004 - Devam Ediyor

Doç. Dr., Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1996 - 2004

Yrd. Doç. Dr., Ankara Üniversitesi, Fen Fakültesi, Fizik Bölümü, 1994 - 1996

### Verdiği Dersler

FİZİK II, Lisans, 2013 - 2014, 2012 - 2013

FİZİK I, Lisans, 2013 - 2014, 2012 - 2013

UYGULAMALI SÜPERİLETKENLİĞİN TEMELLERİ, Yüksek Lisans, 2012 - 2013

İLERİ MALZEME FİZİĞİ I, Yüksek Lisans, 2012 - 2013

ELEKTROMANYETİK DALGALAR, Lisans, 2012 - 2013

KUANTUM FİZİĞİ LABORATUARI, Lisans, 2012 - 2013

İLERİ MALZEME FİZİĞİ II, Yüksek Lisans, 2012 - 2013

### Yönetilen Tezler

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

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

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

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

- 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, cilt.32, sa.9, ss.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.  
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- 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, cilt.30, sa.10, ss.2735-2740, 2017 (SCI-Expanded)
- IV. **The Effects of Structural, Thermal, and Magnetic Properties of Hexylbenzene-Doped MgB<sub>2</sub>**

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AĞIL H., Aksu E., AKTÜRK S., GENÇER A.

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- V. **On the Highlights of the Fifth International Conference on Superconductivity and Magnetism-ICSM 2016, Fethiye, Turkey**  
GENÇER A.  
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- 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.  
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- VIII. **Influence of Nanostructural Inhomogeneities on Superconducting Characteristics of MgB<sub>2</sub>**  
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- IX. **On the Highlights of the 4(th) International Conference on Superconductivity and Magnetism-ICSM2014, Antalya, Turkey PREFACE**  
Gencer A.  
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- 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.  
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- XI. **AC susceptibility analysis on MgB<sub>2</sub> bulk and Ti-sheathed wire superconductors**  
Cicek O., Yetis H., GENÇER A.  
CRYOGENICS, cilt.63, ss.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.  
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- XIII. **Special Section: CHATS in Applied Superconductivity 2013**  
Gencer A., Nishimura A.  
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- XIV. **The role of various boron precursor on superconducting properties of MgB<sub>2</sub>/Fe**  
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- 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.  
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- 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.  
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- 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**  
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- 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, cilt.26, sa.4, ss.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*, cilt.91, ss.356-358, 2013 (SCI-Expanded)
- XX. **The effects of annealing temperature on the in-field  $J_c$  and surface pinning in silicone oil doped MgB<sub>2</sub> bulks and wires**  
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- XXIII. **Fabrication and transport critical current densities of MgB<sub>2</sub>/Fe/Cu multifilament tapes without any intermediate annealing**  
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- XXIV. **Reflection on the 2nd international conference on superconductivity and magnetism-ICSM2010**  
GENÇER A. *Journal of Superconductivity and Novel Magnetism*, cilt.24, sa.5, ss.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., Gömory F., Gencer A. *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*, cilt.24, sa.1-2, ss.391-394, 2011 (SCI-Expanded)
- XXVI. **AC losses of monofilament Ti-clad MgB<sub>2</sub> wire**  
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- 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*, cilt.49, sa.3, ss.809-821, 2011 (SCI-Expanded)
- XXVIII. **Magnetic characterization of SiC doped bulk MgB<sub>2</sub> superconductor**  
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- 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*, cilt.24, sa.1-2, ss.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., Gömory F. *IEEE Transactions on Applied Superconductivity*, cilt.20, sa.5, ss.2294-2300, 2010 (SCI-Expanded)
- XXXI. **AC loss in stacks of Bi-2223/Ag tapes modified with ferromagnetic covers at the edges**  
Safran S., Gömory F., GENÇER A. *Superconductor Science and Technology*, cilt.23, sa.10, 2010 (SCI-Expanded)
- XXXII. **Magnetic properties and magnetocaloric effect of Ce<sub>2</sub>GdCo<sub>11</sub>B<sub>4</sub> boride**  
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GENÇER A., Grasso G.  
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- XXXVI. **Magnetic properties of the Pr(1-x)Gd(x)Co(4)B compounds**  
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- 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**  
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- XXXVIII. **Magnetocaloric effect in CeCo4B compound**  
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- XXXIX. **Effects of Nb2O5 addition on superconducting properties of BSCCO**  
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- XL. **Low-field AC susceptibility in Pr1-xHoxMn2Ge2**  
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- XLII. **Effect of cooling rates on bare bulk and silver wrapped pellets of Bi-2223 superconductor**  
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- XLIII. **Influence of Ho substitution for Nd on magnetic properties of the Nd1-xHoxMn2Ge2 germanides**  
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- XLIV. **Magnetic behavior in Ce1-xTbxMn2Si2 silicides by XRD, DSC and AC susceptibility measurements**  
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- XLV. **Magnetic properties of Tb1-xSmxMn2Si2 silicides**  
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- XLVI. **Low-field behavior of Ti-added MgB2/Cu superconducting wires**  
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- XLVII. **Investigation of odd-order harmonic susceptibilities of a bulk Tl2Ba2Ca2Cu3O10 superconductors using critical state approach**  
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- XLVIII. **Magnetism on the Tb1-xNdxCuMn2Si2 silicides**  
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- L. **Magnetic phase diagram of the intermetallic LaMn2-xCuxSi2 silicides**  
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Safran S., Coşkun E., Seçkin A., Öznal Y., Koralay H., Sönmez K., Gençer A., TÜBİTAK Projesi, Yüksek Performanslı Magnezyum Diborür Süperiletken Malzemeler, 2024 - 2027

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### **Sanatsal Etkinlik**

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