

ÖZGEÇMİŞ

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Eğitim:

YILLAR	DERECE	ÜNİVERSİTE	BÖLÜM
1989-1993	Doktora	Birmingham Üniversitesi (UK)	Fizik
1988-1989	Master	Sussex Üniversitesi (UK)	Fizik
1982-1986	Lisans	Karadeniz Teknik Üniversitesi	Fizik

İş Tecrübesi:

YILLAR	ÜNVAN	ÜNİVERSİTE
2005-	Profesör	Ankara Üniversitesi
1996- 2005	Doçent	Ankara Üniversitesi
1994-1996	Yardımcı Doçent	Ankara Üniversitesi
1986-1994	Araştırma Görevlisi	Ankara Üniversitesi

İdari Görevler:

İŞ ÜNVANI	YER	TARİH
Müdür	Ankara Üniversitesi Süperiletken Teknolojileri Uygulama ve Araştırma Merkezi	2012-2015
Direktör	TSE'de Elektronik Standartlar Hazırlama Grubu	1999-2005

Tamamlanan Yüksek Lisans Tezleri:

ÖĞRENCİ ADI	TEZ BAŞLIĞI	TARİH
Adem Babacan	Yüksek sıcaklık süperiletken (YSS) malzemelerin fiziksel özelliklerinin incelenmesi	1996
Erhan Aksu	Yüksek sıcaklık süperiletkenlerde magnetik ve elektrik özelliklerinin incelenmesi	1998

Muammer Şeylan	Yüksek sıcaklık süperiletkenlerde AC kayıpların incelenmesi	2000
Ahmet Kılıç	Yüksek sıcaklık süperiletken malzemelerin üretimi ve fiziksel özelliklerinin tayini	2000
Özlem Çiçek	Nano boyutta Fe ₃ O ₄ katkılandırılmış MgB ₂ süper iletkenin manyetik karakterizasyonu	2007
Emre Akgün	Nadir toprak elementli bileşiklerin manyetik, yapısal ve termal karakterizasyonu	2007
Hasan Ağıl	Bor esaslı intermetalik bileşiklerin manyetik,yapısal ve termal karakterizasyonu	2008
Didem Bumin	SiC katkılandırılmış MgB ₂ süperiletkenin manyetik karakterizasyonu	2010
Ercan Ertekin	C katkılandırılmış MgB ₂ süper iletkeninin fiziksel özellikleri	2010
Solmaz Khankeshizadeh	B ₄ C katkılandırılmış MgB ₂ süperiletkeninin fiziksel özellikleri	2012
Hamit Öztürk	Karbon katkılandırılmış nano bor ilaveli Bi-2223 süperiletken yığın ve tellerin üretimi ve karakterizasyonu	2017

Tamamlanan Doktora Tezleri:

ÖĞRENCİ ADI	TEZ BAŞLIĞI	TARİH
Nusret Güçlü	Süperiletkenlerin magnetik özelliklerinin modelleme ve ölçme teknikleri ile incelenmesi	2003
Erhan Aksu	Yüksek sıcaklık süperiletkenlerde fiziksel özellikler	2003
Ahmet Kılıç	Yüksek teknoloji ürünü malzemelerin magnetik karakterizasyonu	2005
Serap Safran	MgB ₂ süperiletken tellerde alternatif akım kaybı ve akı perçinleme mekanizmaları	2010
Meral Güngör Babaoğlu	Aromatik hidrokarbon katkılı MgB ₂ süperiletkenlerin elektromanyetik karakterizasyonu	2012
Hasan Ağıl	Organik bileşik katkılı MgB ₂ süperiletken tellerin üretimi ve fiziksel karakterizasyonu	2014
Özlem Çiçek	Farklı formlarda süperiletken tellerde transport ve alternatif akım kayıp özelliklerinin kıyaslanması	2014
Ercan Ertekin	Süperiletken hatalı akım sınırlayıcı (SHAS) tasarımı, üretimi ve karakterizasyonu	2016
Sahure Geçer	İndüktif tip süperiletken hatalı akım sınırlayıcı cihaz tasarımı ve çalıştırılması	2017
Ebru Şimşek Kılıçarslan	Bi-2223 Süperiletken Bobin/Şerit Tasarımı, Yapımı ve AA Karakterizasyonu: Manyetik Enerji Depolama Kapasitesinin İncelenmesi	2018

SCI Kapsamındaki Yayınlar :

- 1.** Ertekin, E., Gecer, S., Yanmaz, E., Safran, S., Kosa, J., Kilicarslan, E.S., Kilic, A., Amemiya, N., Gencer, A.
Test of 6-kVA Three-Phase Flux Transfer-Type Current-Limiting Transformer
(2017) Journal of Superconductivity and Novel Magnetism, 30 (12), pp. 3549-3553.
- 2.** Ağıl, H., Aksu, E., Gencer, A.
Role of Aniline Addition in Structural and Superconducting Properties of MgB₂ Bulk Superconductor
(2017) Journal of Superconductivity and Novel Magnetism, 30 (10), pp. 2735-2740.
- 3.** Ağıl, H., Aksu, E., Aktürk, S., Gencer, A.
The Effects of Structural, Thermal, and Magnetic Properties of Hexylbenzene-Doped MgB₂ Superconductor
(2017) Journal of Superconductivity and Novel Magnetism, 30 (7), pp. 1727-1736.
- 4.** Gencer, A.
On the Highlights of the Fifth International Conference on Superconductivity and Magnetism-ICSM 2016, Fethiye, Turkey
(2017) Journal of Superconductivity and Novel Magnetism, 30 (3), pp. 715-719.
- 5.** Koparan, E.T., Savaskan, B., Ozturk, O., Kaya, S., Aksoy, C., Wang, J., Speller, S.C., Grovenor, C.R.M., Gencer, A., Yanmaz, E.
Changes in mechanical and structural properties of Bi-2212 added MgB₂ superconductors
(2016) Journal of Materials Science: Materials in Electronics, 27 (6), pp. 6060-6070.
- 6.** Gecer, S., Ertekin, E., Yanmaz, E., Kosa, J., Safran, S., Özgüzel, R., Kilicarslan, E.S., Kilic, A., Gencer, A.
Switching and Decoupling Effects in a Single-Phase Transformer Using Extra DC Current
(2016) IEEE Transactions on Applied Superconductivity, 26 (3), art. no. 7422687.
- 7.** Gencer, A.
On the Highlights of the 4th International Conference on Superconductivity and Magnetism-ICSM2014, Antalya, Turkey
(2015) Journal of Superconductivity and Novel Magnetism, 28 (2), pp. 279-283.
- 8.** Safran, S., Kiliçarslan, E., Kiliç, A., Gencer, A.
The role of various boron precursor on superconducting properties of MgB₂/Fe
(2014) Cryogenics, 63, pp. 133-137.
- 9.** Çiçek, O., Yetiş, H., Gencer, A.
AC susceptibility analysis on MgB₂ bulk and Ti-sheathed wire superconductors
(2014) Cryogenics, 63, pp. 143-147.
- 10.** Collazos, J.C., Güner, S.B., Eren Çelik, M., Oprea, A., Gencer, A., Crisan, A.
High-Field Pinning Potential in YBCO Films with Nanoengineered Pinning Centres
(2014) Journal of Superconductivity and Novel Magnetism, 28 (2), pp. 355-360.

- 11.** Safran, S., Kiliç, A., Asikuzun, E., Kiliçarslan, E., Ozturk, O., Gencer, A.
Influence of different boron precursors on superconducting and mechanical properties of MgB₂
(2014) Journal of Materials Science: Materials in Electronics, 25 (6), pp. 2737-2747.
- 12.** Agil, H., Yetis, H., Akdogan, M., Altug, C., Akturk, S., Gencer, A.
Fabrication and characterization of C₁₅H₁₂O₂ doped MgB₂ bulk superconductors
(2014) Cryogenics, 63, pp. 138-142.
- 13.** Duz, I., Guner, S.B., Erdem, O., Demir, I., Kapucu, V., Çelik, Ş., Ozturk, K., Hossain, S., Gencer, A., Yanmaz, E.
Comparison of Levitation Forces of Bulk MgB₂ Superconductors Produced by Nano Boron and Carbon-Doped Nano Boron
(2014) Journal of Superconductivity and Novel Magnetism, 27 (10), pp. 2241-2247.
- 14.** Prikhna, T., Eisterer, M., Gencer, A., Weber, H.W., Gawalek, W., Akdogan, M., Kovylaev, V., Moshchil, V., Kozyrev, A., Karpets, M., Sverdun, V., Tkach, V., Basyuk, T., Shaternik, A.
Influence of Nanostructural Inhomogeneities on Superconducting Characteristics of MgB₂
(2014) Journal of Superconductivity and Novel Magnetism, 28 (2), pp. 525-530.
- 15.** Gencer, A.
On the reflection of 3rd international conference on superconductivity and magnetism - ICSM2012, between 29th April-4th May, 2012, Istanbul, Turkey
(2013) Journal of Superconductivity and Novel Magnetism, 26 (4), pp. 739-741.
- 16.** Hossain, M.S.A., Motaman, A., Xu, X., See, K.W., Çiçek, Ö., Ağıl, H., Ertekin, E., Gencer, A., Cheong, K., Maeda, M., Dou, S.
Structurally homogeneous MgB₂ superconducting wires through economical wet mixing process
(2013) Materials Letters, 91, pp. 356-358.
- 17.** Safran, S., Šouc, J., Gencer, A.
Experimentally determined magnetization ac losses of mono and multifilamentary MgB₂ wires
(2013) Journal of Superconductivity and Novel Magnetism, 26 (5), pp. 1557-1561.
- 18.** Ağıl, H., Çiçek, Ö., Ertekin, E., Motaman, A., Hossain, M.S.A., Dou, S.X., Gencer, A.
Effects of mgo on the electronic and superconducting properties in succinic acid (C₄H₆O₄) doped MgB₂ bulks
(2013) Journal of Superconductivity and Novel Magnetism, 26 (5), pp. 1525-1529.
- 19.** Hossain, M.S.A., Motaman, A., Çiçek, Ö., Ağıl, H., Ertekin, E., Gencer, A., Wang, X.L., Dou, S.X.
The effects of annealing temperature on the in-field J_c and surface pinning in silicone oil doped MgB₂ bulks and wires
(2012) Cryogenics, 52 (12), pp. 755-759.

- 20.** Babaoglu, M.G., Safran, S., Çiçek, Ö., Agl, H., Ertekin, E., Hossain, M.S.A., Yanmaz, E., Gencer, A.
Microstructural and superconducting properties of C₆H₆ added bulk MgB₂ superconductor
(2012) Journal of Magnetism and Magnetic Materials, 324 (21), pp. 3455-3459.
- 21.** Yucel, E., Terzioglu, C., Varilci, A., Gencer, A., Belenli, I.
Fabrication and transport critical current densities of MgB₂/Fe/Cu multifilament tapes without any intermediate annealing
(2012) Acta Physica Polonica A, 121 (3), pp. 660-665.
- 22.** Gencer, A.
Reflection on the 2nd International Conference on Superconductivity and Magnetism-ICSM2010
(2011) Journal of Superconductivity and Novel Magnetism, 24 (5), pp. 1371-1374.
- 23.** Yucel, E., Terzioglu, C., Varilci, A., Gencer, A., Belenli, I.
Fabrication and superconducting properties of ex-situ processed MgB₂/Fe monofilament tapes without any intermediate annealing
(2011) Chinese Journal of Physics, 49 (3), pp. 809-821.
- 24.** Çiçek, Ö., Gömory, F., Gencer, A.
Transport AC loss measurements and simulations in Bi-2223/Ag tape with Ni cover at the edges
(2011) Journal of Superconductivity and Novel Magnetism, 24 (1-2), pp. 391-394.
- 25.** Bumin, D., Yanmaz, E., Basoglu, M., Gencer, A.
Magnetic characterization of SiC doped bulk MgB₂ superconductor
(2011) Journal of Superconductivity and Novel Magnetism, 24 (1-2), pp. 211-215.
- 26.** Güçlü, N., Yeşilkanat, C.M., Ağıl, H., Doğan, F., Gencer, A., Kölemen, U.
Low field AC susceptibility study of YBCO prepared by top seeded melt growth
(2011) Journal of Superconductivity and Novel Magnetism, 24 (1-2), pp. 261-264.
- 27.** Safran, S., Šouc, J., Rostila, L., Brisigotti, S., Gömory, F., Gencer, A.
AC losses of monofilament Ti-clad MgB₂ wire
(2011) Journal of Superconductivity and Novel Magnetism, 24 (1-2), pp. 437-441.
- 28.** Safran, S., Wojenciak, M., Gencer, A., Gömory, F.
Critical current and AC loss of DI-BSCCO tape modified by the deposition of ferromagnetic layer on edges
(2010) IEEE Transactions on Applied Superconductivity, 20 (5), art. no. 5497095, pp. 2294-2300.
- 29.** Safran, S., Gömory, F., Gencer, A.
AC loss in stacks of Bi-2223/Ag tapes modified with ferromagnetic covers at the edges
(2010) Superconductor Science and Technology, 23 (10), art. no. 105003.
- 30.** Kervan, N., Kervan, S., Sözeri, H., Gencer, A.
Magnetic properties and magnetocaloric effect of Ce₂GdCo₁₁B₄ boride

(2009) *Materials Chemistry and Physics*, 116 (2-3), pp. 586-588.

31. Kervan, N., Kervan, S., Sözeri, H., Gencer, A.

Magnetic properties of $Ce_{3-x}Gd_xCo_{11}B_4$ borides

(2009) *Journal of Alloys and Compounds*, 480 (2), pp. 216-219.

32. Ağıl, H., Kervan, N., Kervan, S., Sözeri, H., Gencer, A.

Magnetic properties of the $PrCo_{4-x}Ni_xB$ borides

(2009) *Journal of Alloys and Compounds*, 478 (1-2), pp. 437-440.

33. Gencer, A., Grasso, G.

The International Conference on Superconductivity and Magnetism (ICSM2008) (Side, Turkey, 25-29 August 2008)

(2009) *Superconductor Science and Technology*, 22 (3), art. no. 030301.

34. Gencer, A., Grasso, G.

Journal of Physics: Conference Series: Preface

(2009) *Journal of Physics: Conference Series*, 153, art. no. 011001.

35. Ozturk, O., Akdogan, M., Terzioglu, C., Gencer, A.

Influence of gold diffusion-doped on phase formation, superconducting and microstructure properties of $Bi_{1.8}Pb_{0.35}Sr_{1.9}Ca_{2.1}Cu_3O_y$ superconductors

(2009) *Journal of Physics: Conference Series*, 153, art. no. 012024.

36. Nane, O., Agil, H., Özkurt, B., Özçelik, B., Gencer, A.

Observation of magnetocaloric effect in the $LaMn_{1.9}Fe_{0.1}Si_2$ compound at low fields in the vicinity of phase transition around room temperature

(2009) *Journal of Physics: Conference Series*, 153, art. no. 012063.

37. Gencer, H., Kervan, N., Gencer, A., Gunes, M., Atalay, S.

Magnetocaloric effect in $CeCo_4B$ compound

(2008) *Journal of Alloys and Compounds*, 466 (1-2), pp. 1-4.

38. Kervan, N., Kervan, S., Gencer, A.

Effects of the substitution of gadolinium for neodymium on the crystal and magnetic properties of the $Nd_{1-x}Gd_xCo_4B$ compounds

(2008) *Journal of Physics and Chemistry of Solids*, 69 (11), pp. 2791-2795.

39. Kervan, N., Kervan, S., Gencer, A.

Magnetic properties of the $Pr_{1-x}Gd_xCo_4B$ compounds

(2008) *Journal of Magnetism and Magnetic Materials*, 320 (21), pp. 2839-2843.

40. Ghazanfari, N., Kiliç, A., Özcan, Ş., Sözeri, H., Özkan, H., Gencer, A.

Preparation of nano-scale magnetite Fe_3O_4 and its effects on the bulk Bi-2223 superconductors

(2007) *AIP Conference Proceedings*, 929, pp. 133-137.

41. Ghazanfari, N., Kiliç, A., Gencer, A., Özkan, H.

Effects of Nb_2O_5 addition on superconducting properties of BSCCO

(2007) Solid State Communications, 144 (5-6), pp. 210-214.

42. Kiliç, A., Kervan, N., Kervan, S., Gencer, A., Özkan, H.
Low-field AC susceptibility in $\text{Pr}_{1-x}\text{Ho}_x\text{Mn}_2\text{Ge}_2$
(2007) Solid State Communications, 141 (4), pp. 223-227.

43. Gencer, A., Aksu, E., Özoğul, O., Yakinci, M.E.
AC susceptibility study of a multi-filamentary Bi-2212/Ag superconducting tape
(2006) Physica C: Superconductivity and its Applications, 445-448 (1-2), pp. 772-776.

44. Kervan, N., Kiliç, A., Kervan, S., Gencer, A.
Influence of Ho substitution for Nd on magnetic properties of the $\text{Nd}_{1-x}\text{Ho}_x\text{Mn}_2\text{Ge}_2$ germanides
(2006) Solid State Communications, 138 (2), pp. 55-59.

45. Terzioglu, C., Oztürk, O., Kiliç, A., Gencer, A., Belenli, I.
Effect of cooling rates on bare bulk and silver wrapped pellets of Bi-2223 superconductor
(2006) Physica C: Superconductivity and its Applications, 434 (2), pp. 153-156.

46. Kervan, S., Kiliç, A., Aksu, E., Gencer, A.
Magnetic behavior in $\text{Ce}_{1-x}\text{Tb}_x\text{Mn}_2\text{Si}_2$ silicides by XRD, DSC and AC susceptibility measurements
(2005) Physica Status Solidi (B) Basic Research, 242 (15), pp. 3195-3200.

47. Kiliç, A., Kervan, S., Gencer, A.
Magnetic properties of $\text{Tb}_{1-x}\text{Sm}_x\text{Mn}_2\text{Si}_2$ silicides
(2005) Physica B: Condensed Matter, 363 (1-4), pp. 55-60.

48. Aksu, E., Gencer, A., Calinli, N., Koray, H., Çavdar, S.
Investigation of odd-order harmonic susceptibilities of a bulk $\text{Tl}_2\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ superconductors using critical state approach
(2005) Physica B: Condensed Matter, 363 (1-4), pp. 158-165.

49. Gencer, A., Kiliç, A., Okur, S., Güçlü, N., Özyüzer, L., Belenli, I.
Low-field behavior of Ti-added MgB_2/Cu superconducting wires
(2005) IEEE Transactions on Applied Superconductivity, 15 (2 PART III), pp. 3352-3355.

50. Kiliç, A., Kervan, S., Özcan, Ş., Gencer, A.
Magnetism on the $\text{Tb}_{1-x}\text{Nd}_x\text{Mn}_2\text{Si}_2$ silicides
(2005) Journal of Magnetism and Magnetic Materials, 288, pp. 244-249.

51. Kiliç, A., Kervan, S., Gencer, A.
Magnetic characterization of $\text{LaMn}_{2-x}\text{Co}_x\text{Ge}_2$ compounds
(2004) Physica Status Solidi C: Conferences, 1 (12), pp. 3554-3559.

52. Gencer, A., Kiliç, A., Kervan, S.
Low-field magnetic behavior of $\text{LaMn}_{2-x}\text{Ni}_x\text{Si}_2$ silicides
(2004) Physica Status Solidi (B) Basic Research, 241 (15), pp. 3645-3649.

- 53.** Kervan, S., Kiliç, A., Gencer, A.
XRD, AC susceptibility and DSC studies of $\text{PrMn}_{2-x}\text{Ni}_x\text{Ge}_2$ compounds
(2004) *Physica Status Solidi C: Conferences*, 1 (12), pp. 3443-3448.
- 54.** Kiliç, A., Kervan, S., Gencer, A.
Magnetic phase diagram of the intermetallic $\text{LaMn}_{2-x}\text{Cu}_x\text{Si}_2$ silicides
(2004) *Journal of Alloys and Compounds*, 379 (1-2), pp. 31-35.
- 55.** Kiliç, A., Okur, S., Güçlü, N., Kölemen, U., Uzun, O., Özyüzer, L., Gencer, A.
Structural and low-field magnetic characterization of superconducting MgB_2 wires
(2004) *Physica C: Superconductivity and its Applications*, 415 (1-2), pp. 51-56.
- 56.** Kervan, S., Kiliç, A., Gencer, A.
Magnetic characterization of intermetallic $\text{PrMn}_2\text{Ge}_{2-x}\text{Si}_x$ compounds by AC susceptibility, x-ray diffraction and differential scanning calorimetry studies
(2004) *Journal of Physics Condensed Matter*, 16 (28), pp. 4955-4962.
- 57.** Kervan, S., Kiliç, A., Gencer, A.
A magnetic study of $\text{LaMn}_{2-x}\text{Co}_x\text{Si}_2$ silicides
(2004) *Physica B: Condensed Matter*, 349 (1-4), pp. 384-389.
- 58.** Kiliç, A., Kervan, S., Gencer, A.
Structural and magnetic properties of $\text{Gd}_{1-x}\text{Pr}_x\text{Mn}_2\text{Si}_2$ silicides
(2004) *Journal of Alloys and Compounds*, 372 (1-2), pp. 25-29.
- 59.** Kiliç, A., Kervan, S., Özcan, S., Gencer, A.
Magnetic properties of $\text{Pr}_{1-x}\text{Gd}_x\text{Mn}_2\text{Ge}_2$ compounds
(2004) *Journal of Alloys and Compounds*, 370 (1-2), pp. 47-52.
- 60.** Güçlü, N., Kiliç, A., Askerzade, I.N., Gencer, A.
Harmonic generation in an Ag-clad bulk BSCCO superconductor
(2004) *Physica Status Solidi (A) Applied Research*, 201 (5), pp. 995-1000.
- 61.** Kervan, S., Kiliç, A., Özcan, Ş., Gencer, A.
Magnetic phase transitions in $\text{LaMn}_{2-x}\text{Fe}_x\text{Si}_2$ silicides
(2004) *Solid State Communications*, 130 (1-2), pp. 101-105.
- 62.** Kervan, S., Kiliç, A., Gencer, A.
AC susceptibility, XRD and DSC studies of $\text{Sm}_{1-x}\text{Gd}_x\text{Mn}_2\text{Si}_2$ silicides
(2004) *Physica B: Condensed Matter*, 344 (1-4), pp. 195-200.
- 63.** Ozogul, O., Guclu, N., Gencer, A.
Ac magnetic response of MgB_2 bulk superconductor based on the Anderson-Kim model
(2004) *Physica C: Superconductivity and its Applications*, 402 (1-2), pp. 209-215.
- 64.** Aksu, E., Gencer, A., Yilmaz, H., Nezir, S.
Fundamental and high-order harmonic susceptibilities of a BSCCO(2223) bulk superconductor
(2003) *Physica C: Superconductivity and its Applications*, 391 (1), pp. 67-74.

- 65.** Gencer, A., Güçlü, N., Yilmaz, H., Kiliç, A., Askerzade, I.N., Aksu, E., Hascicek, Y.S.
Investigations of even-order harmonic susceptibilities of MgB₂ superconductors using critical state approach
(2003) IEEE Transactions on Applied Superconductivity, 13 (2 III), pp. 3514-3517.
- 66.** Güçlü, N., Kiliç, A., Askerzade, I.N., Gencer, A.
Harmonic response of a bulk superconductor MgB₂
(2003) Modern Physics Letters B, 17 (10-12), pp. 691-695.
- 67.** Yakinci, M.E., Balci, Y., Aksan, M.A., Adigüzel, H., Gencer, A.
Degradation of superconducting properties in MgB₂ by formation of the MgB₄ phase
(2002) Journal of Superconductivity and Novel Magnetism, 15 (6), pp. 607-611.
- 68.** Askerzade, I.N., Gencer, A.
Thermodynamic Magnetic Field and Specific Heat Jump of a Bulk Superconductor MgB₂ Using Two-Band Ginzburg-Landau Theory
(2002) Journal of the Physical Society of Japan, 71 (7), pp. 1637-1639.
- 69.** Askerzade, I.N., Gencer, A.
London penetration depth $\lambda(T)$ in two-band Ginzburg - Landau theory: Application to MgB₂
(2002) Solid State Communications, 123 (1-2), pp. 63-67.
- 70.** Askerzade, I.N., Gencer, A., Güçlü, N., Kiliç, A.
Two-band Ginzburg-Landau theory for the lower critical field H_{c1} in MgB₂
(2002) Superconductor Science and Technology, 15 (6), pp. L17-L20.
- 71.** Gencer, A., Aksu, E., Yilmaz, H., Aydinuraz, A.
Influence of low magnetic fields on ac losses in bulk superconductor Bi_{1.84}Pb_{0.34}Sr_{1.91}Ca_{2.03}Cu_{3.06}O₁₀
(2002) Superconductor Science and Technology, 15 (4), pp. 592-597.
- 72.** Gencer, A.
Harmonic susceptibilities of a bulk superconductor MgB₂ at low magnetic fields
(2002) Superconductor Science and Technology, 15 (2), pp. 247-253.
- 73.** Askerzade, I.N., Gencer, A., Güçlü, N.
On the Ginzburg-Landau analysis of the upper critical field H_{c2} in MgB₂
(2002) Superconductor Science and Technology, 15 (2), pp. L13-L16.
- 74.** Çelebi, S., Karaca, I., Aksu, E., Gencer, A.
Frequency dependence of the intergranular AC loss peak in a high-T_c Bi-(Pb)-Sr-Ca-Cu-O bulk superconductor
(1998) Physica C: Superconductivity and its Applications, 309 (1-2), pp. 131-137.
- 75.** Bolat, S., Çelebi, S., Gencer, A., Cömert, H., Yanmaz, E.
The effect of Ag-doping on the magnetic behaviour of Bi-(Pb)-Sr-Ca-Cu-O ceramic superconductors
(1998) Journal of Alloys and Compounds, 269 (1-2), pp. 1-6.

- 76.** Gencer, A., Ercan, I.
AC magnetic response of an $\text{Ni}_{81}\text{Mn}_{19}$ alloy
(1998) *International Journal of Modern Physics B*, 12 (2), pp. 143-154.
- 77.** Gencer, A., Ercan, I., Özçelik, B.
Harmonic susceptibilities of an alloy of $\text{Ni}_{77}\text{Mn}_{23}$
(1998) *Journal of Physics Condensed Matter*, 10 (1), pp. 191-203.
- 78.** Çelebi, S., Gencer, A., Öztürk, A.
Flux trapping properties of Bi(Pb)-Sr-Ca-Cu-O superconducting hollow cylinder: The effect of azimuthal flux on flux trapping in the cavity
(1997) *Journal of Alloys and Compounds*, 257 (1-2), pp. 14-18.
- 79.** Çelebi, S., Nezir, S., Gencer, A., Yanmaz, E., Altunbaş, M.
AC losses and irreversibility line of Bi-(Pb)-Sr-Ca-Cu-O high- T_c superconductors
(1997) *Journal of Alloys and Compounds*, 255 (1-2), pp. 5-10.
- 80.** Gencer, A., Ateş, A., Aksu, E., Nezir, S., Celebi, S., Yanmaz, E.
Microstructural and physical properties of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductors prepared by the flame-quench-melt-growth (FQMG) method
(1997) *Physica C: Superconductivity and its Applications*, 279 (3-4), pp. 165-172.
- 81.** Ülkü, D., Ercan, F., Atakol, O., Ercan, I., Gencer, A.
Bis{2-[(2-hydroxybenzyl)iminomethyl]-phenolato(2-)-O:O,N,O'} dicopper(II)
(1997) *Acta Crystallographica Section C: Crystal Structure Communications*, 53 (2), pp. 179-181.
- 82.** Aktürk, S., Gencer, A., Durlu, T.N.
Studies on the magnetic properties of martensitic phase in an Fe-Cr-C alloy
(1997) *Journal of Materials Science Letters*, 16 (5), pp. 389-391.
- 83.** Gencer, A., Nezir, S., Altunbaş, M., Aydınuraz, A.
AC susceptibility study of $\text{BiPbSrCaCuO}(2223)$ superconductors
(1996) *Superconductor Science and Technology*, 9 (6), pp. 467-473.
- 84.** Gencer, A., Mutlu, R.H., Belenli, I., Özoğul, Ö., Aydınuraz, A.
A study of the nonlinearity in magnetic response of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$
(1996) *Superconductor Science and Technology*, 9 (4), pp. 284-289.
- 85.** Gencer, A., Gough, C.E.
Flux dynamics and current diffusion in high temperature superconductors, HTSC
(1994) *Physica C: Superconductivity and its applications*, 235-240 (PART 5), pp. 3169-3170.
- 86.** Gough, C.E., Gencer, A., Yang, G., Shoustari, M.Z., Rae, A.I.M., Abell, J.S.
Transport critical currents, flux dynamics and a.c. magnetization of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ and $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystal rings
(1993) *Cryogenics*, 33 (3), pp. 339-346.

87. Gencer, A., Gough, C.E., Shields, T.C., Abell, J.S.

Frequency dependent magnetisation and susceptibility of YBCO thick-film rings

(1991) Physica C: Superconductivity and its applications, 185-189 (PART 3), pp. 1823-1824.

Ulusal veya Uluslararası Bilimsel Dergilerde Yapılan Hakemlik ya da Editörlük:

DERGİ ADI	GÖREV	TARİH
Journal of Superconductivity and Novel Magnetism	Yayın Kurulu Üyeliği	2010-
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Physica C	Hakem	2010-

Projeler:

1. Ulusal, Yürütücü, SFCL Özellikli Dağıtım Transformatörü (SDTR), 01 Temmuz 2017 - 01 Ocak 2021.
2. Uluslararası, Yürütücü, Hatalı Akım Sınırlayıcı İçin Uygun Nano-Yapılı Süperiletken Külçe MgB₂ Ve Eriyik Y-Ba-Cu-O Halka Numunelerin Yüksek Basınç ve Sıcaklık Altında Üretimi; Manyetik ve Mekanik Karakterizasyonu, 01 Şubat 2014 - 01 Şubat 2016.
3. Ulusal, Danışman, MgB₂/FE Parkur Tipi Bobin Tasarımı ve Üretimi, 01 Kasım 2013 - 01 Kasım 2016.
4. Ulusal, Yürütücü, Süperiletkenlik Araştırma Merkez Laboratuvarı, 01 Haziran 2010 - 31 Aralık 2019.
5. Kurumsal, Yürütücü, Çok Damarlı MgB₂ Süperiletken Üretimi, Nano-Boyutta Katkılama Yöntemi ile Özelliklerinin İyileştirilmesi ve Fiziksel Karakterizasyonu, Sponsor Kurum: Ankara Üniversitesi, 10 Temmuz 2008 - 10 Temmuz 2012.
6. Ulusal, Yürütücü, Nano Boyutta SiC, C ve Aromatik Hidrokarbon Katkılı MgB₂ Süperiletken Külçe, Tel-Şerit Üretimi ve Karakterizasyonu, 01 Şubat 2010 - 01 Şubat 2012.
7. Ulusal, Yürütücü, MgB₂ Süperiletken Tel Üretimi ve Manyetik Karakterizasyonu, 01 Ekim 2007 - 01 Ekim 2008.