DR. SERAP SAFRAN

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A. Öğrenim Bilgisi

14.04.2017	Doçentlik unvanının alındığı tarih
2006-2010	Doktora-Ankara Üniversitesi -Fen Bilimleri Enstitüsü/Fizik
2002-2005	Yüksek Lisans- Hacettepe Üniversitesi- Fen Bilimleri Enstitüsü/Fizik Mühendisliği (Tezli)
1997-2002	Lisans - Hacettepe Üniversitesi -Mühendislik Fakültesi/Fizik Mühendisliği Bölümü/Fizik Mühendisliği Pr.

B. Doktora Tezi

Tez adı	MgB_2 Süperiletken Tellerde Alternatif Akım Kaybı Ve Akı Perçinleme Mekanizmaları (2010)
Tez Danışmanı	Prof. Dr. ALİ GENÇER

C. Yüksek Lisans Tezi

Tez adı	X-Işını Kırınımı Yöntemi İle Bazı Fosfaza-Lariat Eterlerin Kristal Yapı Analizi (2005)
Tez Danışmanı	Prof. Dr. TUNCER HÖKELEK

D. Görevler

UZMAN 2010-devam	ANKARA ÜNİVERSİTESİ/FEN FAKÜLTESİ/FİZİK BÖLÜMÜ/GENEL FİZİK ANABİLİM DALI)
MİSAFİR ARAŞTIRMACI 2009-2010	SLOVAKYA BİLİMLER AKADEMİSİ Elektrik Mühendisliği Enstitüsü
ARAŞTIRMA GÖREVLİSİ 2002-2005	HACETTEPE ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/FİZİK MÜHENDİSLİĞİ BÖLÜMÜ)

Eserler

E. Uluslararası hakemli dergilerde yayımlanan makaleler(SCI):

E.1. S. Safran, H. Ozturk, F. Bulut, O. Ozturk (2017). The influence of re-pelletization and heat treatment on physical, superconducting, magnetic and micro-mechanical properties of bulk BSCCO samples prepared by ammonium nitrate precipitation method. Ceramics International 43, 15586–15592, Doi. 10.1016/j.ceramint.2017.08.114

E.2. Serap Safran, Jano Souc, Fedor Gömöry (2017). AC loss characterization of single pancake BSCCO coils by measured different methods. Physica C: Superconductivity and its applications 541, 45–49, Doi. 10.1016/j.physc.2017.08.004

E.3. Safran Serap, Kılıç Ahmet, Öztürk Özgür (2017). Effect of re pelletization on structural mechanical and superconducting properties of BSCCO superconductors. Journal of Materials Science: Materials in Electronics, 28, 1799–1803 Doi: 10.1007/s10854-016-5728-2

E.4. Ertekin Ercan, Geçer Sahure, Yanmaz Ekrem, **Safran Serap**, Kosa Janos, Kilicarslan Ebru, Kılıç Ahmet, Amemiya Naoyuki, Gençer Ali (2016). Test of 6 kVA Three Phase Flux Transfer Type Current Limiting Transformer. Journal of Superconductivity and Novel Magnetism, Doi: 10.1007/s10948-016-3623-y

E.5. Geçer Sahure, Ertekin Ercan, Yanmaz Ekrem, Kosa Janos, **Safran Serap**, Özgüzel Rasim, Şimşek Kılıçarslan Ebru, Kılıç Ahmet, Gençer Ali (2016). Switching and Decoupling Effects in a Single Phase Transformer Using Extra DC Current. IEEE Transactions on Applied Superconductivity, 26(3), 1-4., Doi: 10.1109/TASC.2016.2537047

E.6. Öztürk Özgür, Aşıkuzun Elif, Kaya Şeydanur, Erdem Murat, **Safran Serap**, Kılıç Ahmet, Terzioğlu Cabir (2015). Ac Susceptibility Measurements and Mechanical Performance of Bulk MgB2. Journal of Superconductivity and Novel Magnetism, Doi: 10.1007/s10948-015-3003-z

E.7. Safran Serap, Kılıçarslan Ebru, Hamit Ozturk, Alp Meryem, Akdoğan Mustafa, Aşıkuzun Elif, Öztürk Özgür, Kılıç Ahmet (2015). Superconducting and mechanical properties of the bulk Bi pb SCCO system prepared via solid state and ammonium nitrate precipitation methods. PhysicaB, 472, 34-40., Doi: 10.1016/j.physb.2015.05.006

E.8. Safran Serap, Kılıç Ahmet, Kılıçarslan Ebru, Ozturk Hamit, Alp Meryem, Aşıkuzun Elif, Öztürk Özgür (2015). Mechanical microstructural and magnetic properties of the bulk BSCCO superconductor prepared by two different methods. Journal of Materials Science: Materials in Electronics, 26(4), 2622-2628., Doi: 10.1007/s10854-015-2733-9

E.9. Safran S., Kılıçarslan E., Kılıç A., Gencer A. (2014). The role of various boron precursor on superconducting properties of MgB2 Fe. Cryogenics, 63, 133-137., Doi: 10.1016/j.cryogenics.2014.04.001

E.10. Safran Serap, Kılıç Ahmet, Aşıkuzun Elif, Ebru Kılıçarslan, Öztürk Özgür, Gençer Ali (2014). Influence of different boron precursors on superconducting and mechanical properties of MgB2. Journal of Materials Science: Materials in Electronics, 25(6), 2737-2747., Doi: 10.1007/s10854-014-1937-8

E.11. Safran S., Šouc J., Gömöry F., Kovac P., Gencer A. (2013). Experimentally Determined Magnetization ac Losses of Mono and Multifilamentary MgB2 Wires. Journal of Superconductivity and Novel Magnetism, 26(5), 1557-1561., Doi: 10.1007/s10948-012-1953-y

E.12. Babaoğlu Meral, **Safran Serap**, Çiçek Özlem, Ağıl Hasan, Ertekin Ercan, Hossain md. Shahriar, Yanmaz Ekrem, Gencer Ali (2012). Microstructural and superconducting properties of C6H6 added bulk MgB2 superconductor. Journal of Magnetism and Magnetic Materials, 324(21), 3455-3459., Doi: 10.1016/j.jmmm.2012.02.064

E.13. Safran S., Šouc J., Rostila L., Brisigotti S., Gömöry F., Gencer A. (2011). AC Losses of Monofilament Ti clad MgB2 Wire. Journal of Superconductivity and Novel Magnetism, 24(1-2), 437-441., Doi: 10.1007/s10948-010-0969-4

E.14. Safran Serap, Michal Vojenciak, Gençer Ali, Gömöry Fedor (2010). Critical Current and AC Loss of DI BSCCO Tape Modified by the Deposition of Ferromagnetic Layer on Edges. IEEE Transactions on Applied Superconductivity, 20(5), 2294-2300., Doi: 10.1109/TASC.2010.2052050

E.15. **Safran S**, Gömöry F, Gencer Ali (2010). AC loss in stacks of Bi 2223 Ag tapes modified with ferromagnetic covers at the edges. Superconductor Science and Technology, 23(10), 105003, Doi: 10.1088/0953-2048/23/10/105003

E.16. Bilge Koçak Selen, Kılıç Zeynel, Hayvalı Zeliha, Hökelek Tuncer, **Safran Serap** (2009). Intramolecular hydrogen bonding and tautomerism in Schiff bases Part VI Syntheses and structural investigation of salicylaldimine and naphthaldimine derivatives. Journal of Chemical Sciences, 121(6), 989-1001., Doi: 10.1007/s12039-009-0128-2

E.17. Hakan Dal, **Serap Safran**, Yasemin Süzen, Tuncer Hökelek, Kılıç Zeynel (2005). Phosphorus nitrogen compounds New spiro cyclic phosphazene derivatives Structure of 4 4 6 6 tetrachloro 3 4 dihydro 3 3 methylpyridin 2 yl spiro 1 3 2 benzoxazaphosphinine 2 2 2lambda5 4lambda5 6lambda5 cyclotriphosphazene Part XII. Journal of Molecular Structure, 753(1-3), 84-91., Doi: 10.1016/j.molstruc.2005.05.039

E.18. Bilge Koçak Selen, Özgüç Bilgehan, **Safran Serap**, Şemsay Demiriz, İşler Hikmet, Hayvalı Mustafa, Kılıç Zeynel, Hökelek Tuncer (2005). Phosphorus nitrogen compounds Novel fully substituted spiro cyclophosphazenic lariat PNP pivot ether derivatives Structures of 4 4 6 6 tetrapyrrolidino 2 2 3 oxa 1 5 pentane dioxy bis 2 phenylamino cyclo 2lambda5 4lambda5 6lambda5 triphosphazene and 4 4 6 6 tetrapyrrolidino 2 2 1 2 xylylene dioxy bis 2 phenylamino cyclo 2lambda5 4lambda5 6lambda5 triphosphazene Part XI. Journal of Molecular Structure, 748(1-3), 101-109., Doi: 10.1016/j.molstruc.2005.03.018