

CANAN AKSOY

ASSOC. PROF.

Email : cananaksoy@ktu.edu.tr

Other Email : aksoycanan0@gmail.com

Office Phone : [+90 462 377 8461](tel:+904623778461)

Address : Karadeniz Teknik Üniversitesi, Of Teknoloji

Fakültesi, Elektronik Haberleşme Mühendisliği

Bölümü, Of, Trabzon, Türkiye

International Researcher IDs

ScholarID: 1669661849320

ORCID: 0000-0003-3738-6886

Publons / Web Of Science ResearcherID: T-4253-2019

ScopusID: 35145336600

Yoksis Researcher ID: 122611



Education

Post Doctorate
2014 - 2015

University of Oxford, Department Of Materials, Superconductivity, United Kingdom

Doctorate
2008 - 2012

Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik-Atom Ve Molekül Fiziği, Turkey

Doctorate
2010 - 2011

University of Oxford, Department Of Materials, Superconductivity, United Kingdom

Masters (Non-Thesis)
2003 - 2005

Ondokuz Mayıs University, Institute Of Science, Ofma- Fizik Öğrenenliği, Turkey

Undergraduate
1999 - 2003

Karadeniz Technical University, Fen Edebiyat Fakültesi , Fizik, Turkey

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Sustainable Energy Resources, The 1st Training School CA19108: HTS for Accelerating the Energy Transition , Silesian

University of Technology , 2022

Education Management and Planning, Eđitcilerin Eđitimi Sertifika Programı , Karadeniz Teknik Üniversitesi, 2022

Education Management and Planning, Tübitak Fen ve Mühendislik Alanlarında Proje Hazırlama ve Deđerlendirme Eđitimi, Karadeniz Teknik Üniversitesi, 2013

Education Management and Planning, Toplumsal Kalkınma Derneđi Proje Döngü Eđitimi, Toplumsal Kalkınma Derneđi-Trabzon, 2013

Education Management and Planning, International Spring School and Educated Course SSEC 2012, Bahar Okulu, 2012

Education Management and Planning, Physics and Chemistry of Solids: Theory and Experiment, Bilkent Üniversitesi Kış Okulu, 2011

Education Management and Planning, International Spring School and Educated Courses SSEC 2010, Bahar Okulu, 2010

Dissertations

Doctorate, Bazı Elementler ve Bileşiklerinin Floresans Parametreleri ve FeySe1-xTex Süperiletken İnce Filmlerin Yapısal Analizi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik- Atom Ve Molekül Fiziđi, 2012

Academic Titles / Tasks

Associate Professor 2022 - Continues	Karadeniz Technical University, Of Teknoloji Fakóltesi, Elektronik ve Haberleşme Mühendisliđi
Assistant Professor 2015 - Continues	Karadeniz Technical University, Of Teknoloji Fakóltesi, Elektronik ve Haberleşme Mühendisliđi
Research Assistant PhD 2014 - 2015	University of Oxford, Materials, Materials
Assistant Professor 2013 - 2015	University Of Eurasia, Faculty Of Engineering-Architecture, Department Of Electrical And Electronics Engineering
Research Assistant 2010 - 2011	University of Oxford, Materials, Materials

Supported Projects

- AKSOY C., KARA F. B., UÇAR H. B., Project Supported by Higher Education Institutions, Akıllı Turnike Türbin, 2024 - 2024
- Aksoy C., TÜBİTAK - AB COST Project, High-Temperature Superconductivity for Accelerating the Energy Transition, 2020 - 2024
- Aksoy C., TÜBİTAK - AB COST Project, European Network for Chemical Elemental Analysis by Total Reflection X-Ray Fluorescence, 2019 - 2023
- AKSOY C., SAVAŞKAN B., ŞİMŞEK C., TIRAŞOĞLU E., TAYLAN KOPARAN E., ÇAKIR B., KÜÇÜKÖMEROĞLU T., GÜNER B., YEŞİLBAĞ Ö., Project Supported by Higher Education Institutions, Sürekli Akım Modunda çalışan Süperiletken Miknatıslar için lehim eklem Üretimi ve Karakterizasyonu, 2020 - 2022
- Yetiş H., Aksoy C., Karabođa F., Akdoğan M., Belenli I., TUBITAK Project, İkinci nesil MgB2 tel mimarisinde yenilikçi mühendislik tasarımlar: Süperiletken öz ve eklememenin geliştirilmesi, 2019 - 2022

6. Aksoy C., Project Supported by Other Official Institutions, Akciğer dokularında Antrokozis ve Element Analizi, 2019 - 2021
7. Aksoy C., TÜBİTAK - AB COST Project, NANOSCALE COHERENT HYBRID DEVICES FOR SUPERCONDUCTING QUANTUM TECHNOLOGIES, 2018 - 2021
8. SAVAŞKAN B., AKSOY C., ÇELİK Ş., TAYLAN KOPARAN E., ÖZTÜRK K., GÜNER S. B., Project Supported by Higher Education Institutions, SiC ve Ti Eklenmesiyle Külçe MgB₂ Süperiletkeninin Kritik Akım Yoğunluğu ve Manyetik Kaldırma Kuvveti Özelliklerinin İyileştirilmesi, 2016 - 2018

Awards

1. AKSOY C., En başarılı poster sunum ödülü, IYTE Ulusal Süperiletkenlik Sempozyumu, July 2011

Scholarships

Tübitak 2219- Doktora Sonrası Araştırmacı Bursu, TUBITAK, 2014 - 2015

Erasmus LLP Internship Mobility, University, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Optimized superconducting MgB₂ joint made by IMD technique**
Avcı D., Yetiş H., Gajda D., Babij M., Tran L. M., Karaboğa F., Aksoy C., Zaleski A., Belenli İ.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.36, no.7, 2023 (SCI-Expanded)
2. **The effect of nano-Pt/nano-SiC co-additions on superconducting properties of bulk MgB₂**
Koparan E. T., GÜNER S. B., AKSOY C., SAVAŞKAN B.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.34, no.18, 2023 (SCI-Expanded)
3. **Demonstration of better superconducting performance in a solder with low lead content**
Aksoy C., Cakir B., Koparan E. T., Simsek C., Tıraşoğlu E., Speller S., Grovenor C. R. M., Küçükömeroğlu T., Yanmaz E.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.36, no.1, 2023 (SCI-Expanded)
4. **Transport and structural properties of MgB₂/Fe wires produced by redesigning internal Mg diffusion process**
Yetiş H., Avcı D., Karaboga F., AKSOY C., Gajda D., Martinez E., Tanyildizi F. M., Zaleski A., Babij M., Tran L. M., et al.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.35, no.4, 2022 (SCI-Expanded)
5. **The X-Ray fluorescence parameters and radiation shielding efficiency of silver doped superconducting alloys**
AKSOY C.
RADIATION PHYSICS AND CHEMISTRY, vol.186, 2021 (SCI-Expanded)
6. **Influence of Sr/Nd partial replacement on fundamental properties of Bi-2223 superconducting system**
Dogruer M., AKSOY C., Yildirim G., Ozturk O., Terzioglu C.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.6, pp.7073-7089, 2021 (SCI-Expanded)
7. **Determination of trace elements in cabbage (Brassica oleracea L.var.acephale) and its grown soil at the Black sea region in Turkey**
AKSOY C., Kabaoğlu H., ŞAHİN TİMAR Z., Binay E., Aksoy H., TIRAŞOĞLU E.
Spectroscopy Letters, vol.53, pp.671-684, 2020 (SCI-Expanded)
8. **Elemental Analysis of Tea Leaves (Camellia Sinensis) and Their Own Soils at Eastern Black Sea Region in Turkey**

- AKSOY C., Kabaoglu H., Apaydin G., Safi A., Tirasoglu E.
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.40, no.4, pp.1315-1320, 2020 (SCI-Expanded)
9. **IR laser line scanning treatments to improve levitation forces in MgTi0.06B2 bulk materials**
Ozturk K., Aksoy C., Angurel L. A., Savaskan B., Martinez E., Badia-Majos A., de la Fuente G. F., Guner B., Dancer C. E. J., Celik S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.811, 2019 (SCI-Expanded)
 10. **Investigation on superconducting and magnetic levitation force behaviour of excess Mg doped-bulk MgB2 superconductors**
Guner S. B., SAVAŞKAN B., ÖZTÜRK K., ÇELİK Ş., AKSOY C., KARABOĞA F., TAYLAN KOPARAN E., Yanmaz E.
CRYOGENICS, vol.101, pp.131-136, 2019 (SCI-Expanded)
 11. **The investigation on the regional nanoparticle Ag doping into MgTi0.06B2 bulk for improvement the magnetic levitation force and the bulk critical current**
ÖZTÜRK K., Dancer C. E. J., SAVAŞKAN B., AKSOY C., GUNER B., BADICA P., ALDICA G., Celik S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.724, pp.427-434, 2017 (SCI-Expanded)
 12. **Changes in mechanical and structural properties of Bi-2212 added MgB2 superconductors**
Koparan E. T., SAVAŞKAN 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)
 13. **Phase Evolution of Superconducting Sn-In-Bi Solder Alloys**
Mousavi T., AKSOY C., Grovenor C., Speller S.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.26, no.3, 2016 (SCI-Expanded)
 14. **Microstructural Properties and Magnetic Testing of Spot-Welded Joints Between Nb-Ti Filaments**
Brittles G. D., Aksoy C., Grovenor C. R. M., Bradshaw T., Milward S., Speller S. C.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.26, no.3, 2016 (SCI-Expanded)
 15. **Lead-Free Solders for Superconducting Applications**
AKSOY C., Mousavi T., Brittles G., Grovenor C. R. M., Speller S. C.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.26, no.3, 2016 (SCI-Expanded)
 16. **Microstructure and superconducting properties of Sn-In and Sn-In-Bi alloys as Pb-free superconducting solders**
Mousavi T., AKSOY C., Grovenor C. R. M., Speller S. C.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.29, no.1, 2016 (SCI-Expanded)
 17. **Persistent current joints between technological superconductors**
Brittles G. D., Mousavi T., Grovenor C. R. M., Aksoy C., Speller S. C.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.28, no.9, 2015 (SCI-Expanded)
 18. **The fluorescence parameters of Zr and Sb compounds**
Aksoy C., DOĞAN M., TIRAŞOĞLU E.
RADIATION PHYSICS AND CHEMISTRY, vol.107, pp.178-182, 2015 (SCI-Expanded)
 19. **Determination of K shell fluorescence cross-section and K-beta/K-alpha intensity ratios for Fe, Se, Te, FeSe, FeTe and TeSe**
Saydam M., AKSOY C., Cengiz E., Alasalvar C., TIRAŞOĞLU E., APAYDIN G.
RADIATION PHYSICS AND CHEMISTRY, vol.81, no.12, pp.1837-1841, 2012 (SCI-Expanded)
 20. **Chemical effects on the L-shell X-ray fluorescence parameters of Ta and W compounds**
AKSOY C., TIRAŞOĞLU E., Cengiz E., APAYDIN G., Saydam M., Aylikci V., Aylikci N. K.
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, vol.184, pp.556-560, 2012 (SCI-Expanded)
 21. **Analysis of FeySe1-xTex thin films grown by radio frequency sputtering**
Speller S. C., Aksoy C., Saydam M., Taylor H., Burnell G., Boothroyd A. T., Grovenor C. R. M.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.24, no.7, 2011 (SCI-Expanded)
 22. **K-shell X-ray fluorescence parameters of some heavy elements and compounds**
Cengiz E., TIRAŞOĞLU E., APAYDIN G., Aylikci V., Aylikci N. K., AKSOY C.
RADIATION PHYSICS AND CHEMISTRY, vol.80, no.3, pp.328-334, 2011 (SCI-Expanded)

23. **Influence of chemical effect on the K-shell X-ray production cross-sections and radiative Auger ratios of Zn complexes**
AYLIKCI V., BIYIKLIOĞLU Z., CENGİZ E., AYLIKCI N. K., APAYDIN G., AKSOY C., TIRAŞOĞLU E., KANTEKİN H.
CHEMICAL PHYSICS, vol.365, no.3, pp.144-149, 2009 (SCI-Expanded)

Articles Published in Other Journals

1. **Evaluation on K shell Fluorescence Parameters of Lead-Free Superconducting Alloys**
GÜDÜMEN H., AKSOY C., TIRAŞOĞLU E.
Karadeniz Fen Bilimleri Dergisi, vol.14, no.4, pp.1917-1928, 2024 (Peer-Reviewed Journal)
2. **Tracing and controls of energy with smart electricity meters**
Nane M., Kök H., Akyazı Ö., Aksoy C.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.13, no.4, pp.949-961, 2023 (Peer-Reviewed Journal)
3. **The Radiation Shielding Properties of the Low Temperature Alloys**
Aksoy C., Dizman S., Çakir B., Taylan Koparan E., Tiraşoğlu E.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.21, pp.1022-1026, 2021 (Peer-Reviewed Journal)
4. **The Shielding Parameters of the Superconducting Tin Based Solders**
Aksoy C.
El-Cezeri Journal of Science and Engineering, vol.8, no.3, pp.1529-1535, 2021 (Scopus)
5. **Analysis of Ca, K and Fe Element in Some Medicinal and Aromatic Plants and Fungal Specimens Growing in Ordu (Mesudiye ve Kabadüz) Plateaus**
AKSOY C., AKSOY H., TIRAŞOĞLU E., ÜÇLER A. Ö.
Turkish Journal of Agriculture-Food Science and Technology, vol.8, no.3, pp.694-697, 2020 (Peer-Reviewed Journal)
6. **Süperiletken Fe_{1-x}Te İnce Filmlerin Floresans Şiddet Oranları**
AKSOY C., TIRAŞOĞLU E., Speller S., Grovenor C.
Cumhuriyet Science Journal, vol.38, no.4, pp.845-850, 2017 (Peer-Reviewed Journal)
7. **The Fluorescence Intensity Ratios of Superconducting Fe_{1-x}Te Thin Films**
AKSOY C., TIRAŞOĞLU E., Speller S., Grovenor C.
Cumhuriyet Science Journal, vol.38, pp.845-850, 2017 (Peer-Reviewed Journal)
8. **Elemental content profiles in propolis from several cities of Turkey**
AKSOY C., Atabay M. M., TIRAŞOĞLU E., Koparan E. T., Kekillioğlu A.
FUNCTIONAL FOODS IN HEALTH AND DISEASE, vol.7, no.8, pp.661-670, 2017 (ESCI)
9. **Novel Superconducting Joints for Persistent Mode Magnet Applications**
Mousavi T., Darby W., AKSOY C., Davies T., Brittles G., Grovenor C., Speller S.
MRS ADVANCES, vol.1, no.51, pp.3483-3488, 2016 (ESCI)
10. **Elemental analysis in the white cabbage in Gümüşhane, Turkey**
AKSOY C., TIRAŞOĞLU E., Aksoy H., DOĞAN M., Gürer E. C., Apaydın A.
Cumhuriyet University Faculty of Science Science Journal (CSJ), vol.35, pp.95-106, 2014 (Peer-Reviewed Journal)
11. **Chemical effect on L shell cross sections of Ta Compounds Irradiated with 59.5 keV Photons**
AKSOY C., TIRAŞOĞLU E., CENGİZ E., Saydam M., APAYDIN G.
Balkan Physics Letters, vol.19, pp.175-179, 2011 (Peer-Reviewed Journal)

Books

1. **Electrical Properties of Soldered HTS Tape Joints for Fault Current Limiters**
Aksoy C.
in: High-Temperature Superconductivity for Accelerating The Energy Transition Outputs and Contributions from

- the Hi-SCALE COST Action, João Murta-Pina, Anabela Pronto, Editor, Vada Escrevi, Lisbon, pp.37-44, 2024
- 2. Effect of Environmental Pollution on Plants and Soils along with Turkish Black Sea Coast**
AKSOY C.
in: Environmental Radioactivity in Turkish Environment, Tuncay Bayram, Yevhen Zayachuk, Dharmendra K. Gupta, Editor, Sivas Cumhuriyet Ünversites Matbaası, Sivas, pp.113-137, 2020
 - 3. İzotoplardan Elde Edilen Bilgiler**
AKSOY C.
in: Nükleer Enerji, A.Hakan Yılmaz, Abdullah Aydın, Tuncay Bayram, Serkan Akkoyun ,A.Alper Billur , Editor, Nobel Yayın Dağıtım, Ankara, pp.197-220, 2015

Papers Published in Refereed Scientific Meetings

- 1. The Electrical Properties of the several HTS Tape Joints for the Superconducting Fault Current Limiter**
Aksoy C.
9th ICSM 2024, Muğla, Turkey, 28 April - 02 May 2024, pp.1
- 2. Bulk MgB₂ for Applications at Liquid Hydrogen Temperatures**
Aksoy C.
ICSM 2024 , Muğla, Turkey, 27 April - 04 May 2024, pp.1
- 3. Radiation shielding and magnetic properties of enforced superconducting alloys**
Aksoy C., Taylan Koparan E., Çakır B.
EUCAS 2023 , Bologna, Italy, 3 - 07 September 2023, pp.1-2
- 4. Multi-Wall Carbon Nanotubes (MWCNTs) Difusing Effect on The Superconducting Lead Free Solder System**
Aksoy C., Taylan Koparan E., Çakır B.
ICSM 2023, Muğla, Turkey, 3 - 07 May 2023, pp.1
- 5. Radiation Shielding Properties of Superconducting powder added joints**
Aksoy C.
International Materials Engineering and Advanced Manufacturing Technologies Congress, İstanbul, Turkey, 15 September 2022
- 6. RADIATION SHIELDING PROPERTIES OF HIGH TEMPERATURE SUPERCONDUCTORS ADDED SNIN SOLDERS**
Aksoy C., Çakır B., Taylan Koparan E., Yeşilbağ Y. Ö., Güner S. B.
TURKISH PHYSICAL SOCIETY 38th INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 31 August - 04 September 2022, pp.64
- 7. Effects of TiO₂ and Al₂O₃ nanoparticles addition on the thermal properties and wettability of Sn-3.0Ag-0.5Cu-xTiO₂-xAl₂O₃**
Muzni N. H. M., Noor E. E. M., Abdullah M. M. A., AKSOY C.
International Conference on Electronic and Advanced Materials 2021, ICEAM 2021, Virtual, Online, 02 November 2021, vol.2169
- 8. SUPERCONDUCTING ADDITION EFFECT ON SUPERCONDUCTING AND MICROSTRUCTURAL PROPERTIES of SnIn**
Aksoy C., Çakır B., Taylan Koparan E.
International Conference of Superconductivity ad Magnetism, Muğla, Turkey, 21 - 27 October 2021, pp.185
- 9. Investigation of The Effect of Nano-Pt/SiC Addition on Magnetic Properties of MgB₂ Superconductors**
Taylan Koparan E., Savaşkan B., Güner S. B., Aksoy C., Çelik Ş.
International Conference on Condensed Matter and Materials Science (ICMMS-2019), Adana, Turkey, 14 - 19 October 2019, pp.90
- 10. Investigation of the Effect of Nanoclay and Hydrated Lime Modification on Low Temperature**

Cracking Properties of HMA and SMA Mixtures”, 3rd International Conference on Advanced Engineering Technologies (ICADET 2019), BAYBURT, TÜRKİYE, 19-21 Ekim 2019, pp.1-11
İSKENDER C., İSKENDER E., AKSOY C.

3rd International Conference on Advanced Engineering Technologies (ICADET 2019), 19 - 21 October 2019

11. **Preliminary Results on Ex-situ Joint Techniques of Superconducting MgB₂ wires for Industrial Applications**
AKSOY C., YETİŞ H., KARABOĞA F., ŞİMŞEK C., AKDOĞAN M., BELENLİ İ.
International Conference on Condensed Matter and Materials Science-2019 (ICMMS-19), 14 October 2019
12. **Microstructure Comparison of Superconducting Joints Fabricating by Using Different Techniques**
Aksoy C., Savaşkan B.
(ISASE2018) International Symposium on Applied Sciences and Engineering , Erzurum, Turkey, 26 - 28 November 2018, pp.46-48
13. **K-Shell X-Ray Fluorescence Parameters of Superconducting Ag added MgTi_{0.06}B₂ bulk samples**
Aksoy C., Tıraşoğlu E., Öztürk K., Savaşkan B., Güner B., Taylan Koparan E.
(NSP2018) XI. International Conference on Nuclear Structure Properties , Trabzon, Turkey, 12 September - 14 October 2018, pp.73
14. **Influence of Ti addition on Magnetic Levitation Force Properties of MgB₂ Superconducting Samples**
Taylan Koparan E., Savaşkan B., Güner S. B., Aksoy C.
(ISTEC2018) International Science and Technology Conference, Paris, France, 18 - 20 July 2018, pp.408-416
15. **Microscopic and Spectroscopic change**
AKSOY C.
Interms 2019, 12 May - 18 February 2019
16. **The Influence of Regional Silver Adding and IR-Laser Application on Superconducting Properties of MgTi_{0.06}B₂**
Savaşkan B., Öztürk K., Güner S. B., Aksoy C., De La Fuente G., Angurel L., Badica P., Aldica G., Çelik Ş.
(ICSM2018) 6th International Conference on Superconductivity and Magnetism, Antalya, Turkey, 29 April - 04 May 2018, no.3322, pp.169
17. **The Effect of IR-Laser Application on Magnetic Properties of Partially Ag Doped into Bulk MgTi_{0.06}B₂**
Aksoy C., Öztürk K., Güner S. B., Savaşkan B., De La Fuente G., Angurel L., Badica P., Aldica G., Çelik Ş.
(ICSM2018) 6th International Conference on Superconductivity and Magnetism, Antalya, Turkey, 29 April - 04 May 2018, no.3223, pp.634
18. **Investigation of The Effect of Nano-Pt/SiC Addition on Levitation Force Properties of MgB₂ Superconductors at Different Temperatures**
Taylan Koparan E., Savaşkan B., Güner B., Aksoy C., İngenç B., Çelik Ş.
(ICSM2018) International Conference on Superconductivity and Magnetism, Antalya, Turkey, 29 April - 04 May 2018, no.3418, pp.635
19. **The Microstructural change after IR-laser Application of Partially Ag Doped to Bulk MgTi_{0.06}B₂**
AKSOY C., ÖZTÜRK K., Güner S. B., SAVAŞKAN B., de la Fuente G. F., Angurel L., Dancer C., Çelik Ş.
International Conference of Superconductivity and Magnetism (icsm 2018) 2018, Antalya, Turkey, 29 April - 04 May 2018, pp.634
20. **Teknolojik Kullanımlar için Kurşun İçermeyen Süperiletken Lehim Üretimi ve Karakterizasyonu**
AKSOY C.
22. YMF Toplantısı, Ankara, Turkey, 16 December 2017 - 16 December 2016, pp.15
21. **The Microstructural and Magnetic Levitation Force Improvement by IR-laser Application Partially Ag Doped to Bulk MgTi_{0.06}B₂**
Aksoy C., Öztürk K., Güner S. B., Savaşkan B., De La Fuente G., Angurel L., Dancer C., Çelik Ş.
(ICMMS-2017) International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017, pp.37
22. **The Investigation of Structural, Electrical and Magnetic properties of SiC doped MgB₂ superconductors**

Savaşkan B., Güner S. B., Taylan Koparan E., Aksoy C., Çelik Ş., Öztürk K.

(ICCMMS-2017) International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017, pp.92

23. **The Microstructural and Magnetic Levitation Force Improvement Application of Partially Ag Doped to Bulk MgTi_{0.06}B₂**
AKSOY C., ÖZTÜRK K., GÜNER S. B., SAVAŞKAN B., de la Fuente G., Angurel L., Dancer C., ÇELİK Ş.
International Conference on Condensed Matter and Materials Science (ICCMMS-2017), Adana, Turkey, 11 - 15 October 2017, pp.37
24. **Investigation of Structural, Electrical and Magnetic Properties of SiC doped MgB₂ Superconductors**
Savaşkan B., Güner S. B., Taylan Koparan E., Aksoy C., Çelik Ş., Öztürk K.
ICCMMS-2017, International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017, pp.92
25. **ELEMENTAL ANALYSIS IN CHILI PEPPERS OF GAZIANTEP REGION, TURKEY**
AKSOY C., TIRAŞOĞLU E.
TFD33- Uluslararası Türk Fizik Derneği kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.15
26. **FLUORESCENCE PARAMETERS OF SUPERCONDUCTING SNINBI LEAD FREE SOLDERS**
AKSOY C., TIRAŞOĞLU E.
TFD33- Uluslararası Türk Fizik Derneği kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.20
27. **Lead-free Superconducting Joints**
Aksoy C., Savaşkan B., Taylan Koparan E.
(IV.IMCOFE'17) International Multidisciplinary Congress of Eurasia, Rome, Italy, 23 - 25 August 2017, pp.442
28. **Effects of SiC on Vertical Levitation Force Properties in the Bulk MgB₂ Superconductors**
Taylan Koparan E., Savaşkan B., Aksoy C., Güner B.
(IV.IMCOFE'17) International Multidisciplinary Congress of Eurasia, Rome, Italy, 23 - 25 August 2017, pp.444
29. **Fabricating Environmental Friendly Superconducting Solders**
Aksoy C., Savaşkan B., Taylan Koparan E.
(IV.IMCOFE'17) International Multidisciplinary Congress of Eurasia, Rome, Italy, 23 - 25 August 2017, pp.438
30. **The Effects of Fe₂O₃ Nanoparticles on MgB₂ Superconducting Thin Films**
Taylan Koparan E., Aksoy C., Savaşkan B.
(IV. IMCOFE'17) International Multidisciplinary Congress of Eurasia, Rome, Italy, 23 - 25 August 2017, pp.442
31. **Chemical Components Profiles in Propolis from Several Cities of Turkey**
AKSOY C., Atabay M., TIRAŞOĞLU E., Taylan Koparan E., Kekillioğlu A.
Natural Science, Engineering and Architecture (IV. IMCOFE'17), Roma, Italy, 22 - 26 August 2017, pp.512-518
32. **MRI Miknatısları için Kurşunsuz Süperiletken Eklem Üretimi**
AKSOY C.
BEU, III. Farabi AR-GE ve İnovasyon Proje Pazarı, Zonguldak, Turkey, 13 May 2017 - 13 May 2016, pp.25
33. **Farklı Oranda Mg Katkılanmış MgB₂ Süperiletkeninin yapısal ve manyetik karakterizasyonu**
SAVAŞKAN B., Güner S. B., Aksoy C., POURNADERI S., Taylan Koparan E., Karaboğa F.
22. Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 16 December 2016, pp.15
34. **The Effects of Excess Mg Addition on the superconductivity of bulk MgB₂**
SAVAŞKAN B., Güner B., Taylan Koparan E., Aksoy C., Çelik Ş.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, pp.136
35. **Elemental Content of propolis in several cities of Turkey**
Maraş M., AKSOY C., Koparan E. T., Doğan M.
Propolis in human & Bee health, Glasgow, United Kingdom, 16 - 07 June 2016, pp.42
36. **Thermal Effect on Novel Lead-free Superconducting Solders**
AKSOY C., Mousavi T., Grovenor C., Speller S.
ICSM 2016, Muğla, Turkey, 27 April - 02 May 2016, pp.52
37. **Microstructure and Superconducting Properties of Commercial Lead-Free solders for low temperature applications**
AKSOY C., Mousavi T., Brittles G., Grovenor C., Speller S.

- International Physics Conference at the Anatolian Peak IPCAP 2016, Erzurum, Turkey, 25 - 27 February 2016, pp.97
38. **Rapid characterisation of persistent current joints by SQUID magnetometry**
Brittles G., AKSOY C., Mousavi T., Noonan P., Keys S., Grovenor C., Speller S.
IOP Superconductivity Group Winter Science Meeting 2014, Bath, United Kingdom, 24 November 2015 - 24 November 2014, pp.10
 39. **Superconducting solders for the 21st century**
Mousavi T., AKSOY C., Grovenor C., Speller S.
EUCAS 15. 12 European Conference on Applied Superconductivity, Lyon, France, 8 - 11 September 2015, pp.20
 40. **Microstructure of Pb-free superconducting solders.**
AKSOY C., Mousavi T., Brittles G., Grovenor C., Speller S.
EUCAS 15. 12 European Conference on Applied Superconductivity, Lyon, France, 8 - 11 September 2015, pp.20
 41. **Microstructural and Superconducting Properties of Persistent Mode Joints between NbTi Conductors**
Brittles G., AKSOY C., Mousavi T., Lockett C., Bayliss V., Vandmore J., Milward S., Grovenor C., Bradshaw T., Speller S.
EUCAS 15. 12 European Conference on Applied Superconductivity, Lyon, France, 8 - 11 September 2015, pp.20
 42. **The novel lead free superconducting solders for joints**
AKSOY C., Mousavi T., Brittles G., Grovenor C., Speller S.
9. International Conference on Magnetic and Superconducting Materials MSM 2015, Antalya, Turkey, 30 April - 03 May 2015, pp.63
 43. **Superconducting solders of the 21st Century**
Mousavi T., AKSOY C., Brittles G., Grovenor C., Speller S.
IOP 2015 Joint UK-Japan Workshop on Physics and Applications of Superconductivity, Cambridge, United Kingdom, 12 - 15 April 2015, pp.40
 44. **Microstructural characterisation of superconducting joints between NbTi wires**
AKSOY C., Brittles G., Grovenor C., Speller S.
IOP Superconductivity Group Winter Science Meeting 2014, Bath, United Kingdom, 24 November 2014, pp.10
 45. **K Shell Chemical Shifts on Co Ni Cu and Zn complexes**
MELTEM S., APAYDIN G., AKSOY C., TIRAŞOĞLU E., KANTEKİN H.
TFD28 International Physics Congress (2011), 6 - 08 September 2011
 46. **Measurement of Mass Attenuation Coefficients for MgB₂ Superconductor using X-ray Energies**
AKSOY C., Taylan Koparan E., SAVAŞKAN B., TIRAŞOĞLU E., Yanmaz E.
ICSM2014, Antalya, Turkey, 29 April - 03 May 2014, pp.10
 47. **Attenuation coefficient of superconducting Fe_ySe_{1-x}Te_x thin films**
AKSOY C., KÖKSAL O. K., TIRAŞOĞLU E., Yanmaz E.
Nano 2013, Kişinev, Moldova, 13 - 16 September 2013, vol.44, pp.48
 48. **Ti ve Bileşiklerinin K Kabuğu X-ışını Floresans Verimlerinin 5.95 keV Enerjide Belirlenmesi**
KÖKSAL O. K., APAYDIN G., CENGİZ E., DOĞAN M., AKSOY C.
Uluslararası Katılımlı XIII. Ulusal Spektroskopik Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.69
 49. **Heavy Metal Concentrations In Mussels And Algeas In The Coasts Of Marmara Sea**
AKSOY C., DOĞAN M., TIRAŞOĞLU E., Pepe S.
The first international fisheries symposium in Northern Cyprus, Girne, KUZZEY KIBRIS TÜRK CUM, Lefkoşa, Cyprus (Kktc), 24 - 27 March 2013
 50. **Fluorescence parameters of superconducting Fe_ySe_{1-x}Te_x thin films grown by RF sputtering**
AKSOY C., Speller S., CENGİZ E., Saydam M., APAYDIN G., TIRAŞOĞLU E., Yanmaz E., Grovenor C.
ICSM 2012 International Conference of Superconductivity and Magnetism, İstanbul, Turkey, 29 April - 04 May 2012, pp.10
 51. **Chemical Effect on L₃ shell Fluorescence yield for Ta and W compounds**
AKSOY C., TIRAŞOĞLU E., CENGİZ E., MELTEM S., APAYDIN G.
TFD28 International Physics Congress, 6 - 09 September 2011
 52. **Kantekin K-Shell Chemical Shifts on Co, Ni, Cu and Zn complexes**
Saydam M., AKSOY C., APAYDIN G., TIRAŞOĞLU E., KANTEKİN H.
TFD28 International Physics Congress, Muğla, Turkey, 7 - 11 September 2011, pp.10

53. **Superconducting Fe_ySe_{1-x}Te thin films grown by RF sputtering**
AKSOY C., Saydam M., Speller S., Mousavi T., Yanmaz E., Grovenor C.
TFD28 International Physics Congress, Muğla, Turkey, 7 - 11 September 2011, pp.10
54. **Chemical effect on L shell cross sections of Ta Compounds Irradiated with 59.5 keV**
AKSOY C., TIRAŞOĞLU E., Saydam M., CENGİZ E., APAYDIN G.
TFD 27 International Physics Congress (2010), İstanbul, Turkey, 4 - 08 September 2010, pp.12

Academic and Administrative Experience

2023 - Continues	Head of Department	Karadeniz Technical University, Of Teknoloji Fakültesi, Elektronik ve Haberleşme Mühendisliği
2019 - Continues	Deputy Director of the Center	Karadeniz Technical University, Kariyer Geliştirme Uygulama ve Araştırma Merkezi
2019 - Continues	Faculty Management Board Member	Karadeniz Technical University, Of Teknoloji Fakültesi, Elektronik ve Haberleşme Mühendisliği
2018 - Continues	Erasmus Program Institutional Coordinator	Karadeniz Technical University, Fakülte, Elektronik Ve Haberleşme Mühendisliği
2018 - Continues	Farabi Program Institutional Coordinator	Karadeniz Technical University, Fakülte
2018 - 2021	Deputy Head of Department	Karadeniz Technical University, Of Teknoloji Fakültesi, Elektronik ve Haberleşme Mühendisliği
2016 - 2019	Mevlana Exchange Program Institutional Coordinator	Karadeniz Technical University

Courses

Undergraduate

Fizik 2, Undergraduate, 2021 - 2022
 Elektromanyetik Teori , Undergraduate, 2021 - 2022
 Fizik 1, Undergraduate, 2022 - 2023
 Eektromanyetik Dalgalar, Undergraduate, 2022 - 2023
 Fizik 1 , Undergraduate, 2017 - 2018
 Fizik 1, Undergraduate, 2016 - 2017
 Girişimcilik, Undergraduate, 2015 - 2016

Student Project

Software Project, Akıllı Elektrik Sayacı ile Enerjinin Takip ve Kontrolü, Karadeniz Technical University, Of Teknoloji Fakültesi, Elektronik ve Haberleşme Mühendisliği, Turkey, 2022 - 2023
 R & D Project, Smart Green House Project, Karadeniz Technical University, Of Teknoloji Fakültesi, Elektronik ve Haberleşme Mühendisliği, Turkey, 2022 - 2023

Software Project, Smart House, Karadeniz Technical University, Of Teknoloji Fakültesi, Elektronik ve Haberleşme Mühendisliği, Turkey, 2021 - 2022

Activities in Scientific Journals

Journal of Investigation Engineering and Technology, First Editor, 2018 - Continues

Memberships / Tasks in Scientific Organizations

ESAS The European Society for Applied Superconductivity, Member, 2015 - Continues

IOP The Institute of Physics,, Member, 2014 - Continues

Peer Reviews in Scientific Publications

RADIATION PHYSICS AND CHEMISTRY, Journal Indexed in SCI-E, March 2022

AFYON KOCATEPE ÜNİVERSİTESİ FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, January 2022

El-Cezerî Journal of Science and Engineering, National Scientific Refreed Journal, December 2021

ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, Journal Indexed in SCI-E, November 2021

ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, Journal Indexed in SCI-E, June 2021

SUPERCONDUCTOR SCIENCE & TECHNOLOGY, SCI Journal, June 2021

ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, Journal Indexed in SCI-E, June 2020

El-Cezerî Journal of Science and Engineering, National Scientific Refreed Journal, June 2020

Tasks In Event Organizations

Aksoy C., SSEC 2024- Spring and Education Schools, Workshop Organization, Turkey, Nisan 2024

Aksoy C., EUCAS 2023- Short Courses, Workshop Organization, Italy, Eylül 2023

Aksoy C., COST 19108 2. Hi Scale Training School, Workshop Organization, Muğla, Turkey, Mayıs 2023

Scientific Research / Working Group Memberships

Esas, England, <https://www.esas.org/>, 2015 - Continues

Mobility Activity

Improving Competencies and Qualifications, Guest Researcher, University of Strathclyde, England, 2024 - 2024

Bilateral Colloboration Agreement, Guest Researcher, Universidade Nova de Lisboa, Portugal, 2024 - 2024

Other, Guest Researcher, Ankara University, Turkey, 2023 - 2023

Erasmus Programme, Other, Università Degli Studi di Roma La Sapienza, Italy, 2022 - 2022

Erasmus Programme, Staff Mobility, Spain, 2021 - 2021

Erasmus Programme, Get Education, Zaragoza Üniversitesi, Spain, 2018 - 2018

Erasmus Programme, Intership, University of Oxford, England, 2010 - 2011

Metrics

Publication: 91
Citation (WoS): 208
Citation (Scopus): 240
H-Index (WoS): 8
H-Index (Scopus): 9

Congress and Symposium Activities

International Materials Engineering and Advanced Manufacturing Technologies Congress, Invited Speaker, İstanbul, Turkey, 2022
INTERMS 2019, Invited Speaker, Muğla, Turkey, 2019
YMF- 22.Yoğun Madde Fiziği Toplantısı, Attendee, Ankara, Turkey, 2016
Oxford Symposium on Quantum Materials 2011, Attendee, Oxford, United Kingdom, 2011
International Conferences Superconductivity and Magnetism ICSM 2010, Attendee, Antalya, Turkey, 2010

Invited Talks

ReBCO Tape Joints for Superconducting Applications , Conference, Portugal, September 2024
Superconducting joint techniques for the magnets applications, Seminar, NOVA University, Portugal, February 2024
1. Uluslararası Malzeme ve İleri İmalat Teknolojileri Kongresi, Conference, Nişantaşı Üniversitesi, Turkey, September 2022
6 th INTERNATIONAL CONGRESS ON MICROSCOPY & SPECTROSCOPY , Conference, Gebze Technical University, Turkey, May 2019

Research Areas

Physics, Atomic and Molecular Physics, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science, Superconductivity, Natural Sciences

Non Academic Experience

OXFORD ÜNİVERSİTESİ- MALZEME BÖLÜMÜ, POSTDOC ARAŞTIRMACI
OXFORD ÜNİVERSİTESİ-MALZEME BÖLÜMÜ, ARAŞTIRMACI
Trabzon Açı Dershanesi, Fizik Öğretmeni
Ordu Bilim Dershanesi , Fizik Öğretmeni
Ordu Alfa Dershanesi , Fizik Öğretmeni