

# Prof. ŞÜKRÜ ÇAVDAR

## Personal Information

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## Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2002 - 2004

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 1994 - 2000

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1989 - 1993

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Talyum tabanlı yüksek sıcaklık süperiletkenlerin elektrik ve manyetik özelliklerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2004

Postgraduate, Dört boyutlu ising modelin creutz cellular automation ile incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 1998

## Research Areas

Natural Sciences

## Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Fizik, 2018 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Fizik, 2012 - 2018

Assistant Professor, Gazi University, Fen Fakültesi, Fizik, 2009 - 2012

Expert, Diğer (Kurumlar,hastaneler Vb.), Kurumlar, Enerji Ve Tabii Kaynaklar Bakanlığı, 2000 - 2009

## Academic and Administrative Experience

Gazi University, Fen Bilimleri Enstitüsü, 2016 - 2018

Gazi University, Fen Fakültesi, 2015 - 2016

## Advising Theses

ÇAVDAR Ş., Investigation Of Thermal Properties Of Bi<sub>1,8</sub>Xgaxpb<sub>0,2</sub>sr<sub>2</sub>cacu<sub>2</sub>oy Glass Ceramic System, Postgraduate, D.BULUT(Student), 2019

ÇAVDAR Ş., The Investigation Of Bi-Ga Partial Replacment Effect On Magnetic, Mechanical And Microstructural Properties Of Bi(1,8-X)Pb<sub>0,2</sub>gaxsr<sub>2</sub>cacu<sub>2</sub>oy Superconductor, Postgraduate, S.İZMİRLİ(Student), 2019

ÇAVDAR Ş., Investigation Of Superconductivity Properties Of Ybco Tapes Which Have Artificial Pinning Centers Formed By Laser, Doctorate, N.TURAN(Student), 2018

Çavdar Ş., Rutenyum katkılı Bi-2212 cam seramik yapının termal ve mekanik özelliklerinin incelenmesi, Postgraduate, T.GÖKÇEN(Student), 2015

Çavdar Ş., TlPb<sub>0,3</sub>Sr<sub>2</sub>Ca<sub>1-x</sub>SexCu<sub>2</sub>Oy FARKLI ORANLARDA SELENYUM KATKISI YAPILMIŞ TALYUM TABANLI YÜKSEK SICAKLIK SÜPERİLETKENLERİN YAPISAL, FİZİKSEL VE ELEKTRİKSEL ÖZELLİKLERİNİN İNCELENMESİ, Postgraduate, N.KOL(Student), 2014

Çavdar Ş., PbSe KATKILI BSCCO CAM SERAMİĞİNİN TERMAL, MEKANİK VE MİKROYAPISAL ÖZELLİKLERİNİN İNCELENMESİ, Postgraduate, E.DENİZ(Student), 2014

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **The Nucleation Effect of PbSe Additive on Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O delta Glass Ceramics**  
ÇAVDAR Ş., Deniz E., TURAN N., Tasci A. T. , ÖZTÜRK Ö., Koralay H.  
GLASS AND CERAMICS, 2022 (Journal Indexed in SCI)
- II. **Detailed Analysis of Device Parameters by Means of Different Techniques in Schottky Devices**  
TUĞLUOĞLU N., KORALAY H., Akgul K. B. , ÇAVDAR Ş.  
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3859-3865, 2016 (Journal Indexed in SCI)
- III. **Laterally Inhomogeneous Barrier Analysis Using Capacitance-Voltage Characteristics of Identically Fabricated Schottky Diodes**  
Çavdar Ş., Tuğluoğlu N., Akgul K. B. , Koralay H.  
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3908-3913, 2016 (Journal Indexed in SCI)
- IV. **Experimental and theoretical approaches on thermal and structural properties of Zn doped BSCCO glass ceramics**  
Koralay H., Hicyilmaz O., Cavdar Ş., Ozturk O., Tasci A. T.  
MATERIALS SCIENCE-POLAND, vol.34, no.1, pp.25-32, 2016 (Journal Indexed in SCI)
- V. **A study on nucleation, crystallization kinetics, microstructure and mechanical properties of Ru-Bi partial substituted BSCCO glass ceramics**  
Ozturk O., Gokcen T., Cavdar Ş., KORALAY H., Tasci A. T.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.123, no.2, pp.1073-1082, 2016 (Journal Indexed in SCI)
- VI. **Analysis of inhomogeneous device parameters using current-voltage characteristics of identically prepared lateral Schottky structures**  
Tuğluoğlu N., Koralay H., Akgul K. B. , Cavdar Ş.  
INDIAN JOURNAL OF PHYSICS, vol.90, no.1, pp.43-48, 2016 (Journal Indexed in SCI)
- VII. **Structural, electrical and mechanical properties of selenium doped thallium based high-temperature superconductors**  
Cavdar Ş., Kol N., KORALAY H., Ozturk O., Asikuzun E., Tasci A. T.  
CRYOGENICS, vol.73, pp.1-7, 2016 (Journal Indexed in SCI)
- VIII. **Analysis of the Homogeneous Interface State Density of Identically Prepared Schottky Structures with Nano-Size Oxide Layer by Hill-Coleman Method**  
Koralay H., Tuğluoğlu N., Akgul K. B. , Çavdar Ş.  
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.10, no.2, pp.195-199, 2015 (Journal Indexed in SCI)
- IX. **Effect of Zn content on microstructure and mechanical performance in Bi<sub>1.8</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3.2-x</sub>Zn<sub>x</sub>O<sub>10</sub>+delta glass ceramic**

Koralay H., Hicyilmaz O., Cavdar Ş., Asikuzun E., Tasci A. T. , Ozturk O.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.7, pp.3116-3126, 2014 (Journal Indexed in SCI)

- X. **Structural and mechanical characterization of Bi<sub>1.75</sub>Pb<sub>0.25</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3-x</sub>Sn<sub>x</sub>O<sub>10+y</sub> superconductor ceramics using Vickers microhardness test**  
Koralay H., Arslan A., Cavdar Ş., Ozturk O., Asikuzun E., Gunen A., Tasci A. T.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.24, no.11, pp.4270-4278, 2013 (Journal Indexed in SCI)
- XI. **Effect of vanadium substitution on the microstructural and superconducting properties of Tl<sub>2</sub>Ba<sub>2</sub>Ca<sub>2-x</sub>V<sub>x</sub>Cu<sub>3</sub>O<sub>y</sub> superconductors**  
Erbilen E., Cavdar Ş., KORALAY H., Gunen A.  
PHYSICA B-CONDENSED MATTER, vol.413, pp.36-39, 2013 (Journal Indexed in SCI)
- XII. **The Effect of PbSe Addition on the Mechanical Properties of Bi-2212 Superconductors**  
Cavdar Ş., Deniz E., KORALAY H., Ozturk O., Erdem M., Gunen A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.25, no.7, pp.2297-2307, 2012 (Journal Indexed in SCI)
- XIII. **Crystallization kinetic studies on Bi(1.75)Pb(0.25)Sr(2)Ca(2)Cu(3-x)Sn<sub>x</sub>O(Δ) glass-ceramic by using non-isothermal technique**  
Arslan A., Koralay H., Cavdar Ş., Gunen A.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.358, no.9, pp.1190-1195, 2012 (Journal Indexed in SCI)
- XIV. **Effect of Vanadium Substitution on the Dielectric Properties of Glass Ceramic Bi-2212 Superconductor**  
Cavdar Ş., KORALAY H., Altindal Ş.  
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.164, pp.102-114, 2011 (Journal Indexed in SCI)
- XV. **Kinetics of non-isothermal crystallization of Bi<sub>3</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3-x</sub>Sn<sub>x</sub>O<sub>10+Δ</sub> glass-ceramics**  
KORALAY H., Cavdar Ş., Aksan M. A.  
PHYSICA B-CONDENSED MATTER, vol.405, no.23, pp.4801-4805, 2010 (Journal Indexed in SCI)
- XVI. **The electrical transport properties and Hall effect measurements on a (TBCCO) superconductor**  
Cavdar Ş., Yakuphanoglu F., KORALAY H., Gunen A.  
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.434, no.1, pp.85-89, 2006 (Journal Indexed in SCI)
- XVII. **Dynamical finite-size scaling function of the four dimensional Ising model for Creutz algorithm**  
MERDAN Z., Gunen A., Cavdar Ş.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.359, pp.415-422, 2006 (Journal Indexed in SCI)
- XVIII. **Frequency-dependent dielectric characteristics of Tl-Ba-Ca-Cu-O bulk superconductor**  
Cavdar Ş., Koralay H., Tugluoglu N., Gunen A.  
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.18, no.9, pp.1204-1209, 2005 (Journal Indexed in SCI)
- XIX. **Investigation of odd-order harmonic susceptibilities of a bulk Tl<sub>2</sub>Ba<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>10</sub> superconductors using critical state approach**  
Aksu E., Gencer A., Calimli N., Koralay H., Cavdar Ş.  
PHYSICA B-CONDENSED MATTER, vol.363, pp.158-165, 2005 (Journal Indexed in SCI)
- XX. **Crystallization kinetics of Bi<sub>1.7</sub>V<sub>0.3</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> glass-ceramic**  
KORALAY H., Yakuphanoglu F., Cavdar Ş., Gunen A., Aksu E.  
PHYSICA B-CONDENSED MATTER, vol.355, pp.64-71, 2005 (Journal Indexed in SCI)
- XXI. **Microstructural, thermal, and electrical properties of Bi<sub>1.7</sub>V<sub>0.3</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> glass-ceramic superconductor**  
Kayed T., Calimli N., Aksu E., Koralay H., Gunen A., Ercan I., Akturk S., Cavdar Ş.  
CRYSTAL RESEARCH AND TECHNOLOGY, vol.39, no.12, pp.1063-1069, 2004 (Journal Indexed in SCI)
- XXII. **Effect of B<sub>2</sub>O<sub>3</sub> addition on the formation and properties of Tl-2212 and Tl-2223 superconductors**  
Cavdar Ş., Aksu E., Koralay H., Ozkan H., HASANLI N., Ercan I.  
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.199, no.2, pp.272-276, 2003 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Analysis of hopping conduction and space charge limited currents in nearly ideal metal semiconductor contacts**  
Koralay H., Tuđluođlu N., Kbra Bengi A., avdar Ő.  
Gazi University Journal of Science, vol.27, no.3, pp.901-907, 2014 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect Of Znco2o4 Nanoparticle Doping, Produced By The Sol-Jel Method, On The Electrical Properties Of Gelatin Thin Films**  
DEMİRÖLMEZ Y., TURAN N., AVDAR Ő., KORALAY H., TUĐLUOĐLU N.  
INTERNATIONAL MARMARA SCIENCES CONGRESS IMASCON 2021 AUTUMN, Turkey, 10 December 2021
- II. **Investigation Of Impedance Spectroscopy Of Cadmium Doped Zno Thin Films Produced By The Silar Method**  
TURAN B., AVDAR Ő., TURAN N., KORALAY H., TUĐLUOĐLU N.  
INTERNATIONAL MARMARA SCIENCES CONGRESS IMASCON 2021 AUTUMN, Turkey, 10 - 11 December 2021
- III. **Farklı Yöntemlerle Sentezlenen İndirgenmiş Grafen Oksitlerin Karakterizasyonu Ve Eva Nanokompozit Film Üzerindeki Etkilerinin İncelenmesi**  
ÖZAL T., AVDAR Ő., KORALAY H.  
TRAKYA ÜNİVERSİTELER BİRLİĐİ V. LİSANSÜSTÜ ÖĐRENCİ KONGRESİ, Turkey, 4 - 05 November 2021
- IV. **INVESTIGATION OF MECHANICAL PROPERTIES OF MULTI-WALLED CARBON NANOTUBE DOPED MgB2**  
KAYA N., KORALAY H., AVDAR Ő., ÖZTRK Ö.  
7th International Conference on Superconductivity and Magnetism, Turkey, 21 - 27 October 2021
- V. **INVESTIGATION OF Bi1.775Pb0.2Ga0.25Sr2CaCu2Oy GLASS-CERAMIC SUPERCONDUCTOR**  
izmirli s., BULUT D., KORALAY H., AVDAR Ő.  
7th International Conference on Superconductivity and Magnetism, Bodrum, Turkey, 21 - 27 October 2021
- VI. **TEMPERATURE-DEPENDENT CURRENT CONDUCTION ANALYSIS OF NATURAL ZEOLITES**  
CURA Ö., Ajjaq A., AĐIRTEKİN A. O. , AVDAR Ő., ACAR S.  
3. HAGIA SOPHIA INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, İstanbul, Turkey, 15 September 2021
- VII. **SOL JEL YÖNTEMİYLE ÜRETİLEN Zn 0.95 Co 0.05 O BULK YAPISININ DİELEKTRİK ÖZELLİKLERİNİN İNCELENMESİ**  
TURAN N., DEMİRÖLMEZ Y., AVDAR Ő., KORALAY H., TUĐLUOĐLU N.  
5th INTERNATIONAL MARDİN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Turkey, 15 - 16 January 2021
- VIII. **KORONEN ORGANİK ARAYÜZEY TABAKALI SCHOTTKY DİYOTLARDA KARAKTERİSTİK PARAMETRELERİN BELİRLENMESİ**  
KORALAY H., öznal y., TUĐLUOĐLU N., Seçkin A., AVDAR Ő.  
2nd International Turkish World Engineering and Science Congress, 7 - 10 November 2019
- IX. **PRODUCTION OF MgB2 BY USING CARBONCAPSULATED BORON WITH CVD METHOD**  
KORALAY H., KAYA N., ÖZTRK Ö., TURAN N., AVDAR Ő.  
Trk Fizik Derneđi 35. Uluslararası Fizik Kongresi, Turkey, 4 - 08 September 2019
- X. **Microstructural, Mechanical And Electrical Characterization Of Co Nanoparticle Doped Y3Ba5Cu8-xCoxO18 Superconducting System**  
ÖZTRK Ö., Arebat R., BULUT F., Nefrow A., ELİK Ő., AVDAR Ő., KORALAY H.  
6th International Conference on Superconductivity and Magnetism (ICSM 2018), Antalya-Turkey, 29 April - 04 May 2018
- XI. **CRYSTALLIZATION KINETICS AND GLASS TRANSITION KINETICS OF THE Bi1.9Pb0.3Sr2Ca2Cu3-xCoxO GLASS-CERAMIC SYSTEM**

KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., KAYA N., TURAN N., TAYANÇ T., ÇAVDAR Ş.

6th INTERNATIONAL CONFERENCE ON SUPERCONDUCTIVITY AND MAGNETISM, 29 April - 04 May 2018

- XII. **BSCCO Cam Seramik Malzemesine Co Katkısının Etkisi**  
KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., KAYA N., TAŞÇI A. T. , ÇELİK Ş., ÇAVDAR Ş.  
1st International Turkish World Engineering and Science Congress, 7 - 10 December 2017
- XIII. **Bi(1.8-x)Pb0.2GaxSr2CaCu2Oy cam seramik süperiletkenininyapısal ve manyetik özelliklerinin incelenmesi**  
ÇAVDAR Ş., İZMİRLİ S., TAŞÇI A. T. , KORALAY H.  
1st International Turkish World Engineering and Science Congress – ITWESC, 7 - 10 December 2017
- XIV. **Theoretical and ExperimentalApproachs on Mechanical Properties of Zn1-xCoxO Binary Tetrahedral BulkSemiconductors**  
ÖZTÜRK Ö., AŞIKUZUN E., TAŞÇI A. T. , ÇELİK Ş., KORALAY H., ÇAVDAR Ş.  
1nd International Turkish world Engineering and Science Congress in Antalya, 7 - 10 December 2017
- XV. **Anormal Etkileşmelerde b Kuark Üretimini FCC de İncelenmesi**  
TAŞÇI A. T. , ÖZTÜRK Ö., ÇAVDAR Ş., KORALAY H., ÇELİK Ş., ALAMIN R.  
1st International Turkish World Engineering and Science Congress – ITWESC, 7 - 10 December 2017
- XVI. **Micromechanical characterization of yttrium doped ZnO nanoparticles by using depth-sensing indentation method**  
ÖZTÜRK Ö., KAYA Ş., BULUT F., ÇELİK Ş., ÇAVDAR Ş., KORALAY H., AKCAN D., ARDA L.  
International Conference on Condensed Matter and Materials Science(ICCMMS), 11 - 15 October 2017
- XVII. **The Investigation of Magnetic Levitation Force Measurements on Before and After CutPasted Single Crystal GdBaCuO Bulk at Different Temperatures**  
ÇELİK Ş., GÜNER S. B. , ÖZTÜRK Ö., KORALAY H., ÇAVDAR Ş., ÖZTÜRK K.  
International Conference on Condensed Matter and Materials Science (ICCMMS-2017), Adana, Turkey, 11 - 15 October 2017, pp.73
- XVIII. **Photovoltaic Calculation of Al/n-Si Schottky Diode with Coronene Interfacial Layer for Solar Cell Applications**  
ÇAVDAR Ş., KORALAY H., YÜKSEL Ö. F. , PAKMA O., TUĞLUOĞLU N.  
International Conference on Condensed Matter and Materials Science, 11 - 15 October 2017
- XIX. **Dielectric Properties of Al/Coronene/n-Si Schottky Diode**  
KORALAY H., ÇAVDAR Ş., PAKMA O., YÜKSEL Ö. F. , TUĞLUOĞLU N.  
International Conference on Condensed Matter and Materials Science, 11 - 15 October 2017
- XX. **Laser Modification of 2G-HTS Tapes Surface**  
TURAN N., MARTINEZ E., FUENTE G., LAMBAN A., KORALAY H., ÇAVDAR Ş.  
EUCAS 2017, 17 - 21 September 2017
- XXI. **Crystallization Kinetics of Nucleation Effect of Ga Doped on BSCCO Glass Ceramic Systems**  
ÇAVDAR Ş., BULUT D., KORALAY H.  
Central and Eastern European Committee for Thermal Analysis and Calorimetry, 28 - 31 August 2017
- XXII. **The Investigation of Structural Features ofBi(1.8-x)Pb0.2GaxSr2CaCu2Oy Glass CeramicSuperconductivity**  
ÇAVDAR Ş., TUĞLUOĞLU N., İZMİRLİ S., KAYA N., ÖZTÜRK Ö., KORALAY H.  
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017
- XXIII. **The Effect of Encapsulation Time on theEncapsulation Carbon of Boron Powder with CVDMethod**  
KORALAY H., KAYA N., ÇAVDAR Ş., TAŞÇI A. T. , ÖZTÜRK Ö., ÇİÇEK B., TUĞLUOĞLU N.  
International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017
- XXIV. **Determination of Suitable Sintering Temperature for MgB<sub>2</sub> Produced by Carbon Encapsulated Boron Obtained by Chemical Vapor Deposition Method**  
KORALAY H., KAYA N., TUĞLUOĞLU N., ÖZTÜRK Ö., ÇİÇEK B., ÇAVDAR Ş.  
ICCME 2017 : 19th International Conference on Chemical and Materials Engineering, 4 - 05 May 2017
- XXV. **Bi 1 8 x Pb0 2GaxSr2CaCu2Oy cam seramik süperiletkenininyapısal özelliklerinin incelenmesi**  
KAYA N., KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., ÇAVDAR Ş.

22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XXVI. **Presleme Basıncının Al B4C Fonksiyonel Derecelendirilmiş Malzemenin Üretimine Etkisi**  
Barış Ç. Ö. , ÇİNİCİ H., KORALAY H., ÇAVDAR Ş.  
22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XXVII. **CVD Yöntemiyle Elde Edilen Karbon Kapsüllenmiş Bordan üretilen MgB2 İçin Uygun Sinterleme Sıcaklığının Belirlenmesi**  
KAYA N., KORALAY H., ÖZTÜRK Ö., TUĞLUOĞLU N., ÇAVDAR Ş.  
22. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 16 December 2016
- XXVIII. **The Effect of Encapsulation on the Encapsulation Carbon of Boron Powder with CVD Method**  
KORALAY H., KAYA N., ÇİÇEK B., ÖZTÜRK Ö., ÇAVDAR Ş.  
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 28 September - 02 October 2016
- XXIX. **Investigation of Current Voltage Characterization of Au n Si Schottky Diode**  
TUĞLUOĞLU N., KORALAY H., ÇAVDAR Ş.  
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 28 September - 02 October 2016
- XXX. **Growth of Gd2O3 Gd1 98Ho0 02O3 buffer layers on Ni W tapes using sol gel method**  
ÇAVDAR Ş., TURAN N., ARDA L., TUĞLUOĞLU N., KORALAY H.  
2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 28 September - 02 October 2016
- XXXI. **Effect of Doping Zn on BSCCO Superconducting Ceramics**  
KORALAY H., Hiçyılmaz Ö., TUĞLUOĞLU N., ÇAVDAR Ş.  
ICSM2016, 24 - 30 April 2016
- XXXII. **Influence of Heat Treatment Duration on Mechanical Properties of RuSr2GdCu2Ox**  
ÇAVDAR Ş., TURAN N., KAYA N., ÖZTÜRK Ö., TUĞLUOĞLU N., KORALAY H.  
ICSM2016, 24 - 30 April 2016
- XXXIII. **Effect of PbO Se doping on the thermal properties of BSCCO glass ceramic system**  
KORALAY H., ÇAVDAR Ş., Kılıç G., TUĞLUOĞLU N., ÖZTÜRK Ö.  
The 8th The Asian Conference on Applied Superconductivity and Cryogenics (ACASC), Hangzhou, China, 22 - 25 November 2015
- XXXIV. **Detailed Analysis Of Device Parameters By Means Of Different Techniques In Schottky Devices**  
TUĞLUOĞLU N., KORALAY H., ÇAVDAR Ş., Kübra Bengin A.  
The Third European Conference on Renewable Energy Systems (ECRES 2015), Antalya, Turkey, 7 - 10 October 2015
- XXXV. **Laterally inhomogeneous barrier analysis using Capacitance voltage characteristics of identically Fabricated schottky diodes**  
ÇAVDAR Ş., KORALAY H., TUĞLUOĞLU N., Kübra B. A.  
The Third European Conference on Renewable Energy Systems (ECRES 2015), Antalya, Turkey, 7 - 10 October 2015
- XXXVI. **A Study on Nucleation Crystallization Kinetics Microstructure and Mechanical Properties of Ru Bi Partial Substituted BSCCO Glass Ceramics**  
TAŞÇI A. T. , ÖZTÜRK Ö., Tuğba G., ÇAVDAR Ş., KORALAY H., ŞENOL A.  
APS, Texas, United States Of America, 2 - 06 March 2015
- XXXVII. **Effect of V2O5 addition on the formation of Bi 2223 superconductor**  
KORALAY H., ÇAVDAR Ş.  
10th International Workshop on Nanomagnetism and Superconductivity at the Nanoscale, Coma-ruga Barcelona, Spain, 30 June - 04 July 2014
- XXXVIII. **Structural Properties of TIPb0 3Sr2Ca2 xSexCu3Oy Superconductors**  
ÇAVDAR Ş., Nihan K., KORALAY H., GÜNEN A.  
4th National Congress of Crystallography (TUcr2014), Diyarbakır, Turkey, 3 - 06 June 2014
- XXXIX. **The Investigation of Microstructural Properties of Cu0 2Bi1 8Sr2Ca2Cu3 xZnxO10 Ceramic Structure**

KORALAY H., Hiçyılmaz Ö., GÜNEN A., ÇAVDAR Ş.

4th National Congress of Crystallography (TUcr2014), Diyarbakır, Turkey, 3 - 06 June 2014

- XL. **Structural Analysis for a Plastic Work Tool Steel and a Hot Work Tool Steel by XRD Method**, ATEŞ H., ÇAVDAR Ş., ÇİNİCİ H.  
4. Ulusal Kristallografi Toplantısı, 17-19 Mayıs 2014 Diyarbakır, Diyarbakır, Turkey, 17 - 19 May 2014
- XLI. **Investigation of mechanical properties of Ru base superconductors at different sintering time**  
ÇAVDAR Ş., Reza M., KORALAY H., Kılıç G.  
4th International Conference on Superconductivity and Magnetism- ICSM2014, 27 April - 02 May 2014
- XLII. **EFFECT OF Ru SUBSTITUTION ON THE MECHANICAL PROPERTIES OF Bi<sub>1-x</sub>Ru<sub>x</sub>Pb<sub>0.2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>10</sub> GLASS-CERAMIC**  
ÖZTÜRK Ö., Gökçen T., ÇAVDAR Ş., KORALAY H., AŞIKUZUN E.  
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- XLIII. **Effect Of Self And Dual Curing On Conversion Degree And Crosslink Density Of Dual Cure Core Build Up Materials**  
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