

## Asst. Prof. CENGİZ OKAY

### Personal Information

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### Education Information

Doctorate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 1999 - 2004

Post Graduate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 1992 - 1996

Under Graduate, Orta Doğu Teknik Üniversitesi, Gaziantep Mühendislik Fakültesi, Fizik Mühendisliği Pr., Turkey 1986 - 1991

### Dissertations

Doctorate, Granüler magnetik filmlerde ferromagnetik rezonans (FMR) incelemeleri, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2004

Post Graduate, Atmosferik kirletici gaz ve parçacıkların ölçüm ve analizi, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1996

### Research Areas

Physics

### Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2011 - Continues

Lecturer PhD, Marmara University, Faculty of Arts and Sciences, Physics, 2004 - 2011

Research Assistant, Marmara University, Faculty of Arts and Sciences, Physics, 2001 - 2004

Research Assistant, Marmara University, Atatürk Faculty of Education, Mathematics and Science Education, 1992 - 2001

### Courses

fizik2, Under Graduate, 2019 - 2020

Elektrik 2, Under Graduate, 2019 - 2020

Fizik2, Under Graduate, 2019 - 2020

Mekanik 2, Under Graduate, 2019 - 2020

Fizik-1, Under Graduate, 2019 - 2020

Mekanik-1, Under Graduate, 2019 - 2020

Elektrik 1, Under Graduate, 2019 - 2020

fizik-1, Under Graduate, 2019 - 2020

fizik2, Under Graduate, 2017 - 2018

Fizik2, Under Graduate, 2017 - 2018

MODERN OPTİK, Under Graduate, 2017 - 2018

FİZİK2, Under Graduate, 2016 - 2017

FİZİK2, Under Graduate, 2016 - 2017  
Fizik1, Under Graduate, 2017 - 2018  
optik VE dalgalar, Under Graduate, 2017 - 2018  
OPTİK, Under Graduate, 2016 - 2017  
FİZİK1, Under Graduate, 2016 - 2017  
FİZİK1, Under Graduate, 2016 - 2017  
FİZİK2, Under Graduate, 2015 - 2016  
FİZİK1, Under Graduate, 2015 - 2016

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

- I. **Structural and magnetic studies of TiO<sub>2</sub> rutile implanted with vanadium ions**  
Vakhitov I, Shemukhin a., Gumarov a., Lyadov N. M. , Nuzhdin V., Faizrakhmanov I., OKAY C., Rameev B. Z. , Tagirov L., Khaibullin R.  
MATERIALS RESEARCH EXPRESS, vol.6, 2019 (Journal Indexed in SCI)
- II. **Thermoelectric properties and EPR analysis of Fe doped Cu<sub>12</sub>Sb<sub>4</sub>S<sub>13</sub>**  
Guler A., Ballikaya S., Boyraz C., Okay C., Shulgin D., Rameev B.  
JOURNAL OF SOLID STATE CHEMISTRY, vol.269, pp.547-552, 2019 (Journal Indexed in SCI)
- III. **Bond length (Ti-O) dependence of nano ATO(3)-based (A = Pb, Ba, Sr) perovskite structures: Optical investigation in IR range**  
Ghasemifard M., Ghamari M., OKAY C.  
MODERN PHYSICS LETTERS B, vol.32, 2018 (Journal Indexed in SCI)
- IV. **Magnetic Resonance Study of Fe-Implanted TiO<sub>2</sub> Rutile**  
Okay C., Vakhitov I. R. , Valeev V. F. , Khaibullin R. I. , Rameev B.  
APPLIED MAGNETIC RESONANCE, vol.48, pp.347-360, 2017 (Journal Indexed in SCI)
- V. **Optical and magnetic properties of Ni-implanted and post-annealed ZnO thin films**  
Okay C., Rameev B. Z. , Guler S., Khaibullin R. I. , Khakimova R. R. , Osin Y. N. , Akdogan N., Gumarov A. I. , Nefedov A., Zabel H., et al.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.104, pp.667-675, 2011 (Journal Indexed in SCI)
- VI. **Ferromagnetic resonance study of iron implanted PET foils**  
Okay C., Rameev B., Khaibullin R., Okutan M., Yildiz F., Popok V., Aktas B.  
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.203, pp.1525-1532, 2006 (Journal Indexed in SCI)
- VII. **Ferromagnetic resonance investigations of cobalt-implanted polyimides**  
Rameev B., Okay C., Yildiz F., Khaibullin R., Popok V., Aktas B.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.278, pp.164-171, 2004 (Journal Indexed in SCI)
- VIII. **Ion Synthesis and FMR Studies of Iron and Cobalt Nanoparticles in Polyimides**  
OKAY C., RAMI B., Bulat r., YILDIZ F., AKTAŞ B., Khaibullin R., J p., Lenar T.  
Microelectronic Engineering, vol.69, pp.330-335, 2003 (Journal Indexed in SCI Expanded)
- IX. **Ion synthesis of iron granular films in polyimide**  
Khaibullin R., Popok V., Bazarov V., Zheglov E., Rameev B., Okay C., Tagirov L., Aktas B.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.191, pp.810-814, 2002 (Journal Indexed in SCI)
- X. **Composition of wet deposition in Kaynarca, Turkey**  
Okay C., Akkoyunlu B. O. , Tayanc M.  
ENVIRONMENTAL POLLUTION, vol.118, pp.401-410, 2002 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Fe ve As Elementleri ile Katkılı Tetrahedritlerin Karakterizasyonu ve Fiziksel Özellikleri**  
OKAY C., BOYRAZ C., SHULGIN D. A. , MOZZHUKHIN G., RAMÍ B.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.1016, 2018 (Other Refereed National Journals)
- II. **Tailoring magnetic anisotropy of Cobalt-Gold thin films**  
OKAY C., AKSU P., DEĞER C., YILDIZ F.  
Turkish Journal of Physics, vol.42, pp.335-341, 2018 (Other Refereed National Journals)

## Books & Book Chapters

- I. **Ortaöğretim FİZİK 9 Sınıf**  
DURU M. K. , TURGUT H., DUMLUDAĞ F., OKAY C., YILDIRIM U., MERCAN F. Ç. , KARAMUSTAFAOĞLU O., DEĞİRMENCİ S., SAKA Y., GARİP B.  
MEB DEVLET KİTAPLARI, Ankara, 2014
- II. **Ion beam Synthesis of Magnetic Nanoparticles in Polymers,**  
khaibullin R., RAMÍ B., OKAY C., Zheglov E., Zhikharev V., Tagirov L., AKTAŞ B.  
in: Nanostructured Magnetic Materials and Their applications:Nato Science Series II, Mathematics, Physics and Chemistry, B.Aktaş. L. Tagirov, F. Mikailov, Editor, Kluwer Academic Publisher, Springer ScienceBusiness Media, pp.33-54, 2004

## Refereed Congress / Symposium Publications in Proceedings

- I. **FMR Analysis of Magnetic Anisotropies in Co-implanted TiO<sub>2</sub> Rutile”**  
KARATAŞ Ö., OKAY C., KAZAN S., khaibullin R., ARDA L., RAMÍ B.  
MAGNETIC RESONANCE: CURRENT STATE AND FUTURE PERSPECTIVES (EPR-75) (2019) 23-29 September 2019, Kazan, Russia, 23 - 29 September 2019
- II. **Bimodal Relaxation Time Distribution of Ethanol Water Mixtures Revealed by Inverse Laplace Transform Technique**  
SINMAZ M. A. , MARAŞLI A., OKAY C., RAMÍ B.  
”, AMPERE Nuclear Magnetic Resonance Summer School, (AMPERE NMR 2019 23-29 June 2019, Zakopane-Poland,, 23 - 29 June 2019
- III. **Non-Linear Concentration Behaviour of Alcohol-Water Mixtures Studied by TD NMR and MW Dielectric Spectroscopy**  
OKAY C., MARAŞLI A., ünver İ., Mozzhukkin G., RAMÍ B.  
AMPERE Nuclear Magnetic Resonance Summer School, (AMPERE NMR 2019), 23 June 2019
- IV. **<sup>1</sup>H NMR relaxation times of alcohol-water mixtures**  
OKAY C., MARAŞLI A., Mozzhukkin G., RAMÍ B.  
Magnetic Resonance and its Applications, Saint-Petersburg University, 16 International School-Conference, SPINUS,2019, Saint Peter, Guernsey And Alderney, 31 March - 05 April 2019, pp.103-105
- V. **Textured growth of magnetic nanoparticles in implanted TiO<sub>2</sub>and ZnO single crystals as revealed by FMR**  
KARATAŞ Ö., GÜLER KILIÇ S., OKAY C., KAZAN S., khaibullin R., RAMÍ B.  
Magnetic Resonance and its Applications, Saint-Petersburg University, 16 International School-Conference, (SPINUS-2019, Saint Peter, Guernsey And Alderney, 31 March - 05 April 2019, pp.181-183
- VI. **MAGNETIC RESONANCE STUDIES OF TiO<sub>2</sub>AND ZnO SINGLE CRYSTALS IMPLANTED WITH 3d IONS**  
RAMÍ B., karatas o., ozkal b., OKAY C., KAZAN S., güler s., khaibullin R.  
Academician G.B. Abdullayev,Centenary International Conference and School Modern Trends in Condensed Matter,Physics, 24 - 26 September 2018
- VII. **Magnetic resonance and VSM studies of Co implanted TiO<sub>2</sub> single crystals**

OKAY C., KAZAN S., GÜLER KILIÇ S., khaibullin R., ARDA L., RAMÍ B.

6th International Conference on Superconductivity and Magnetism (ICSM2018-Sözlü Sunum, Antalya-Turkey, 29 April - 04 May 2018

- VIII. **Electric Field Dependent EPR Measurements of vacancy related substutional Fe<sup>3</sup> defects in SrTiO<sub>3</sub> single crystal**  
KAZAN S., yıldız K., karatas o., özkal b., Vafadar M., RAMÍ B., OKAY C., ARDA L.  
6th International Conference on Superconductivity and Magnetism (ICSM2018 Antalya-Turkey, 29 April - 04 May 2018
- IX. **Process, characterization and ESR properties of 3d transiton ion doped-tetrahedrite compounds”,**  
Boyrac C., Güler A., Okay C., Shullgin D., Mozzhukkin G., Rami B.  
1International Conference on Magnetism and Magnetic Materials London/UK., Kharkiv, Ukraine, 9 - 10 November 2017
- X. **PHYSICAL PROPERTIES OF Fe DOPED Cu<sub>12</sub>Sb<sub>4</sub>S<sub>13</sub>**  
GÜLER A., BOYRAZ C., OKAY C., bulat r.  
ISMSIT2017, 2 - 04 November 2017
- XI. **Process, characterization and ESR propertes of 3d transition ion doped teteahedrite compounds**  
GÜLER A., BOYRAZ C., rameev b., OKAY C.  
Magnetic Materials 2017, 9 - 10 October 2017
- XII. **Physical Properties of Fe doped Cu<sub>12</sub>Sb<sub>4</sub>S<sub>13</sub>**  
GÜLER A., BOYRAZ C., OKAY C., RAMÍ B.  
1st International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT 2017) Tokat / Turkey., 2 - 04 October 2017
- XIII. **EPR Studies of Tetrahedrite Doped by 3d Transition Ions**  
GÜLER A., OKAY C., BOYRAZ C., RAMAEEV B.  
NANOTR 12, Turkey, 3 - 05 June 2016
- XIV. **EPR Studies of 3d transition ions doped tetrahedrite 3 5 Haziran 2016**  
GÜLER A., OKAY C., Shulgin d., BOYRAZ C., şen a., RAMÍ B.  
12th International Nanoscience and Nanotechnology Conference (NanoTR-12), Elite Hotel Darıca Kocaeli/Turkey., Turkey, 3 - 05 June 2016
- XV. **FMR Studies of Magnetic Anisotropy in Iron Implanted Single Crystal Rutile Films 3 5 Haziran 2016**  
OKAY C., RAMÍ B., Valeev V., khaibullin r.  
12th International Nanoscience and Nanotechnology Conference (NanoTR-12), Elite Hotel Darıca Kocaeli/Turkey, Turkey, 3 - 05 June 2016
- XVI. **Ferromagnetic Resonance Investigations of Fe implanted Rutiler 22 25 Haziran 2015**  
OKAY C., Bulat r., VF V., Khaibullin R.  
NanoTR-11,Orta Doğu Teknik Üniversitesi Kültür ve Kongre Merkezinde (Ankara), Ankara, Turkey, 22 - 25 June 2015
- XVII. **Ion Synthesis and FMR Studies of Cobalt and Iron Nanoparticles Implanted in Polymides**  
RAMÍ B., YILDIZ F., AKTAŞ B., OKAY C., khaibullin R., Zheglov E., Pivin J., Tagirov L.  
Nano and Giga Challenges in Microelectronics Research and Oppurtunities in Russia, Symposium and Summer School, September 10-13 (2002) pp.212, Moscow, Russia., 10 - 13 September 2003
- XVIII. **Ion Synthesis of Magnetic Nanoparticles in Polymers**  
khaibullin R., RAMÍ B., OKAY C., Zheglov E., Zhikharev V., Tagirov L.  
Advanced Research Workshop, Nanostructured Magnetic Materials and Their Applications, ARW NMMA-2003 July 1-4, 2003, pp.12, İstanbul- Turkey., 1 - 04 June 2003
- XIX. **C Okay B Rameev F Yıldız R I Khaibullin and B Aktaş Ferromagnetic Resonance and Electron Microscopy Studies of Cobalt Granuler Films in Polymides Synthesized by Ion Implantation Technique**  
OKAY C., RAMÍ B., YILDIZ F., khaibullin R.  
Turk Fizik Dernegi 21.Fizik Kongresi Suleyman Demirel Universitesi, 11-14 Eylül 2002, sayfa 435, Isparta., 11 - 14 September 2002

- XX. **Hava Kalitesi Ölçümlerinde Doğal Temizlenme Mekanizmalarının Önemi: 1993-94 Dönemi Pendik-Kaynarca Yöresi Ölçümleri**  
OKAY C., ORALTAY R. G.  
Yanma ve Hava Kirliliği Kontrolü III. Ulusal Sempozyumu, ODTÜ Çevre Mühendisliği Bölümü, Turkey, 11 - 13  
September 1995

## **Citations**

Total Citations (WOS):132

h-index (WOS):5