

Prof. İDRİS KABALCI

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (Dr), Turkey 1998 - 2006

Postgraduate, Selcuk University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 1994 - 1997

Undergraduate, Selcuk University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1987 - 1991

Dissertations

Doctorate, Florotelürit optik camların termal mikroyapısal ve spektroskopik özellikleri, Istanbul Technical University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (Dr), 2006

Postgraduate, Moleküler orbital teori ve bunun bazı organik moleküllere uygulanması, Selcuk University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 1997

Academic Titles / Tasks

Professor, Usak University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - 2021

Professor, Karabuk University, Mühendislik Fakültesi, Biyomedikal Mühendisliği Bölümü, 2017 - 2021

Associate Professor, Karabuk University, Mühendislik Fakültesi, Biyomedikal Mühendisliği Bölümü, 2014 - 2017

Associate Professor, Harran University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2012 - 2014

Assistant Professor, Harran University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2008 - 2010

Research Assistant, Istanbul Technical University, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, 1998 - 2006

Research Assistant, Harran University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 1993 - 1998

Academic and Administrative Experience

Usak University, 2022 - Continues

Usak University, 2021 - Continues

Karabuk University, 2015 - Continues

Usak University, 2022 - 2023

Karabuk University, 2017 - 2017

Harran University, 2014 - 2014

Harran University, 2009 - 2010

Courses

Fizik 1, Undergraduate, 2022 - 2023
Introduction to Laser, Undergraduate, 2021 - 2022
Nanotechnology and Nanomaterials, Postgraduate, 2021 - 2022
Introduction to Glass Science Technologies, Undergraduate, 2021 - 2022
Uzmanlık, Postgraduate, 2020 - 2021
Biomedical Instrumentation II, Undergraduate, 2020 - 2021
Uzmanlık, Doctorate, 2020 - 2021
Bilimsel Araştırma Teknikleri ve Etik, Doctorate, 2020 - 2021
Fizik I, Undergraduate, 2020 - 2021, 2018 - 2019
Bilimsel Araştırma Teknikleri ve Etik, Postgraduate, 2020 - 2021
Chemical Biologic and Nuclear Processes, Doctorate, 2019 - 2020
Biomedical Optic, Postgraduate, 2019 - 2020
Electromagnetic Field Theory, Undergraduate, 2019 - 2020
Optoelektronik Cihazlar, Postgraduate, 2018 - 2019
Değerler Eğitimi, Undergraduate, 2018 - 2019
Biyomedikal Mühendislikte Temel Matematik, Postgraduate, 2018 - 2019
Physics I, Undergraduate, 2018 - 2019
Biyomedikal Optik, Postgraduate, 2017 - 2018
Biyomedikal bilimler için Temel Matematik, Postgraduate, 2017 - 2018
Fizik 1, Undergraduate, 2017 - 2018
Reading and Speaking in Foreign Language, Undergraduate, 2017 - 2018
GENEL FİZİK, Undergraduate, 2016 - 2017
ELECTROMAGNETIC FIELD THEORY, Undergraduate, 2015 - 2016, 2014 - 2015
ELECTRICAL MATERIALS, Undergraduate, 2015 - 2016, 2014 - 2015
Fizik II, Undergraduate, 2015 - 2016
GENEL FİZİK II, Undergraduate, 2015 - 2016, 2014 - 2015
GENEL FİZİK, Undergraduate, 2013 - 2014, 2012 - 2013, 2009 - 2010
Atom ve Molekül Fiziği, Undergraduate, 2011 - 2012
Lazer ve Uygulamaları, Undergraduate, 2009 - 2010

Advising Theses

İDRİS K., Investigations of temperature dependent optical properties of tellurium based glass materials for photonics and biomedical applications, Postgraduate, T.ABDULLAH(Student), 2023
İDRİS K., Fotonik ve biyomedikal uygulamalar için üçlü boratesaslı optik cam malzemelerin yapısal parametrelerinin araştırılması, Postgraduate, İ.ÇAĞLA(Student), 2022
İDRİS K., AMALGAM DENTAL FILLINGS AS THE SOURCE OF MERCURY EXPOSURE AND ALTERNATIVE SOLUTIONS, Postgraduate, Y.ABDALLALI(Student), 2022
İDRİS K., Biyomedikal uygulamalar için iterbiyum ve gadolinyum katkılı lazer cam biyomalzemeler, Postgraduate, S.KEMİK(Student), 2021
İDRİS K., Investigation of the effects of commonly used tobacco and its varieties on human physiology system, Postgraduate, A.ALMGADMI(Student), 2021
İDRİS K., TeO₂-ZnO-Al₂O₃-Bi₂O₃ oksitli camlarının üretimi, yapısal ve mekanik özellikleri, Postgraduate, S.SEMİH(Student), 2019
İDRİS K., Optoelektronik cihazların modellenmesi için III-V bileşiklerinin fiziksel özelliklerine sıcaklığın ve basıncın etkisi, Postgraduate, E.CEMAL(Student), 2019
İDRİS K., Ultra-wide band based indoor positioning system using lateration methods, Postgraduate, A.DURU(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of Bi₂O₃/PbO substitution on physical, optical, structural, and gamma shielding properties of boro-tellurite glasses**
Marzuki A., Sasmi T., Fausta D. E., Harjana H., Suryanti V., KABALCI İ.
Radiation Physics and Chemistry, vol.205, 2023 (SCI-Expanded)
- II. **Potential glass network for IR applications and rare-earth ions**
KABALCI İ., Gökçe H., Körpe N.
Acta Physica Polonica A, vol.143, no.3, pp.222-227, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Indoor Positioning and Fall Detection System Design for People with Alzheimer'xxs and Epilepsy Disease**
DURU A., İLERİ K., KABALCI İ.
International Journal of Advances in Science Engineering and Technology, 2018 (Peer-Reviewed Journal)
- II. **Tulyum katkılı florotelürit optik camların, termal, mikroyapısal ve spektroskopik özellikleri**
KABALCI İ., Özen G., Sennaroğlu A.
ITU Fen Bilimleri Dergisi/c, vol.4, no.1, pp.41-49, 2005 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Ultra-Wideband Positioning System Using TWR and Lateration Methods**
DURU A., ŞEHİRLİ E., KABALCI İ.
Proceedings of the Fourth International Conference on Engineering and MIS 2018 (ICEMIS'18), İstanbul, Turkey, 19 - 20 June 2018, pp.1-4
- II. **I.Kabalcı, Complementary methods for optical, structural and mechanical analysis of rare earth ion (Er₂O₃, Tm₂O₃) doped B₂O₃-ZnO-TiO₂ glasses,, Guangzhou, China, May 23-25, 2017.**
KABALCI İ.
Global Conference on polymer and Composite Materials, 23 - 25 May 2017
- III. **Mechanical, Optical and Microstructural Properties of Bi₂O₃-ZnO-TeO₂ Glasses**
KABALCI İ., Zheng J., Wang L., Peng M.
24th International Congress on Glass (ICG 2016), Şangay, China, 7 - 11 April 2016
- IV. **Effect of glass compositions on the thermal and microstructural properties of TeO₂ ZnO TiO₂ glass systems**
KABALCI İ., Nese O. K., POLAT R.
The third International Symposium on Innovative Technologies in Engineering and Science, 3 - 05 June 2015
- V. **Comparing the Effect of the Thulium Erbium and Ytterbium Ion Concentrations on the Absorption Spectra on Tellurium and Borate Based Glasses**
KABALCI İ., TAY T., Kostka P., Zavadil J., Gladkov P.
Lighting UP Africa with lasers, optics, and fibres (LUPA), 15 - 20 March 2015
- VI. **Photoluminescence properties at low temperature of Tm³ doped tellurite based optical glasses**
KABALCI İ., TAY T., Kostka P., Zavadil J., Gladkov P.
Development in Optics and Communications in Spectroscopy, Industry and Medicine, Riga, Latvia, 9 - 12 April 2014
- VII. **Investigation of infrared and raman spectra TeO₂-Nb₂O₅-TiO₂ Glasses**

KABALCI İ., Gökçe H.

XLVIII Zakopane School of Physics, Zakopane, Poland, 20 - 25 May 2013

VIII. Luminescence and Optical Properties of Tm³ doped TeO₂-ZnO-TiO₂ Glasses for Fiber Optic Applications

KABALCI İ., TAY T., Özdemir M., Özen G.

Luminesans Dozimetri Kongresi 4, Gaziantep, Turkey, 20 - 22 September 2010

IX. Optical properties and crystallization kinetics of TeO₂-ZnO-TiO₂ glasses

KABALCI İ., ÖZTÜRK KÖRPE N., Duran T., Özdemir M.

International Conference on Optical and Optoelectronic Properties of Materials and Applications, Budapest, Hungary, 15 - 20 August 2010

X. Optical absorption and spectroscopic properties of thulium doped TeO₂-Nb₂O₅-TiO₂ glasses

KABALCI İ., TAY T., Özen G.

International Conference on Optical and Optoelectronic Properties of Materials and Applications, Budapest, Hungary, 15 - 20 August 2010

XI. Physical and Microstructural investigation of Tm³ doped TeO₂-ZnO-TiO₂ optical glasses

KABALCI İ., Gökçe H., Öveçoğlu M. L.

16.Yoğun Madde Fiziği Ankara Toplantısı, Ankara, Turkey, 06 November 2009

XII. Optical characterization of PLD grown nitrogen-doped TiO₂ thin films

Farkash B., Hesler P., KABALCI İ., Budai J., Geretovzky Z.

E-MRS, Strasbourg, France, 28 May - 01 June 2007

XIII. Characterization of thermal and microstructural properties of the TeO₂-Nb₂O₅ glasses

Gökçe H., KABALCI İ., Öveçoğlu M. L., Özen G.

11th International Materials Symposium, Denizli, Turkey, 19 - 20 April 2006

XIV. Radiative lifetime and Quantum efficiency of Tm³ -doped TeO₂ -PbF₂ glasses

KABALCI İ., Özen G., Sennaroğlu A.

IX. ULUSAL SİVİHAL FİZİĞİ SEMPOZYUMU, Turkey, 22 - 25 September 2005

XV. Composition dependence of the intensity parameters in TeO₂-PbF₂: Tm³ glasses

KABALCI İ., Özen G., Kurt A., Sennaroğlu A.

MRS (Material Research Symposium), Boston, United States Of America, 1 - 03 December 2004, vol.829

XVI. Effect of the local structure on the spontaneous and stimulated emission probabilities of Tm³ in TeO₂-ZnO glass

Özen G., KABALCI İ., Sennaroğlu A., Kurt A., Collins J., Chen X., Forte O., DiBartolo B.

MRS (Material Research Symposium), Boston, United States Of America, 1 - 03 December 2004, vol.848

XVII. Spectroscopic properties of Tm³: TeO₂-PbF₂ glasses in the near infrared

KABALCI İ., Özen G., Kurt A., DEMİRBAŞ Ü., Sennaroğlu A.

SPIE, 5 - 08 September 2003, vol.5460, pp.195-203

Metrics

Publication: 21

Citation (Scopus): 8

H-Index (WoS): 1

H-Index (Scopus): 2

Artistic Activity

KABALCI İ., Aile ve Değerler Eğitimi, December 2017

KABALCI İ., Disiplinler Arası Tıbbi Araştırmalar çalıştayı, December 2017

KABALCI İ., 2nci Askeri Elektronik Semineri, September 2012

KABALCI İ., International Workshop on Cleanroom Training, June 2010

KABALCI İ., Nanoelectronics and Nanophotonics, January 2009

KABALCI İ., Fotonik Malzemeler ve Aygıtlar,, May 2008

Non Academic Experience

HATAY MUSTAFA KEMAL ÜNİVERSİTESİ

South China University of Technolgy Guanngzhou China

YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI

YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI

Yessenov University

KARAMANOĞLU MEHMET ÜNİVERSİTESİ

KASTAMONU ÜNİVERSİTESİ

Guney Çin Teknoloji Üniversitesi

İngiltere-Southampton Üniversitesi

Macaristan-Szeged Üniversitesi/ Optoelektronik ve Fizik Bölümü