

# Prof. İpek KANAT ÖZTÜRK

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AAD-2770-2020

Yoksis Researcher ID: 56342

## Education Information

Doctorate, İstanbul University, Institute of Graduate Studies In Sciences, Nükleer, Turkey 1996 - 2003

Postgraduate, İstanbul University, Institute of Graduate Studies In Sciences, Nükleer, Turkey 1993 - 1996

Undergraduate, İstanbul University, Faculty Of Science, Fizik, Turkey 1988 - 1993

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Manganez I ve Skandiyum I Elementlerinin İnce Yapı ve Aşırı İnce Yapılarının İncelenmesi, İstanbul University, Institute of Graduate Studies In Sciences, Nükleer, 2003

Postgraduate, Hızlı Nötronların Yumuşak Dokudaki Enerji Dağılımının Saptanması, İstanbul University, Institute of Graduate Studies In Sciences, Nükleer, 1996

## Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Natural Sciences

## Academic Titles / Tasks

Professor, İstanbul University, Faculty of Science, Department of Physics, 2019 - Continues

Associate Professor, İstanbul University, Faculty of Science, Department of Physics, 2013 - 2019

Assistant Professor, İstanbul University, Faculty of Science, Department of Physics, 2003 - 2013

Research Assistant, İstanbul University, Faculty of Science, Department of Physics, 1996 - 2003

## Academic and Administrative Experience

Enstitü Yönetim Kurulu Üyesi, Istanbul University, Institute of Graduate Studies In Sciences, 2018 - Continues  
Fakülte Yönetim Kurulu Üyesi, Istanbul University, Faculty Of Science, 2015 - 2018  
İstanbul Üniversitesi, Faculty of Science, Fizik, 2008 - 2011

## Courses

Modern Fizik, Undergraduate, 2023 - 2024  
Titreşimler ve Akışkanlar Mekaniği, Undergraduate, 2021 - 2022  
Atom ve Molekül Fiziği Laboratuvarı, Undergraduate, 2019 - 2020  
Cultural History of Physics, Undergraduate, 2020 - 2021  
Atom Fiziğinde Hesaplama Yöntemleri I, Postgraduate, 2020 - 2021  
Atomlarda İzotop Kayması, Postgraduate, 2018 - 2019, 2017 - 2018  
Atom ve Molekül Fiziği Laboratuvarı, Undergraduate, 2017 - 2018  
Termodinamik ve İstatistiksel Fizik Laboratuvarı, Undergraduate, 2018 - 2019  
Fizik IV (Astronomi-Örgün), Undergraduate, 2014 - 2015  
Fizik II, Undergraduate, 2012 - 2013, 2010 - 2011  
Bilgisayar II, Undergraduate, 2012 - 2013  
Bilgisayar I, Associate Degree, 2012 - 2013, 2011 - 2012, 2010 - 2011  
İleri Fizik Uygulamaları , Undergraduate, 2010 - 2011, 2009 - 2010  
Fizik I, Associate Degree, 2010 - 2011  
Öğretmenlik Uygulaması, Undergraduate, 2010 - 2011, 2009 - 2010

## Advising Theses

KANAT ÖZTÜRK İ., "Skandiyumun Görünür Dalgaboyu Bölgesindeki Fourier Transform Spekturumunun Analizi",  
Doctorate, T.Yusuf(Student), Continues  
Kanat Öztürk İ., Atomik Vanadyumun Aşırı İnce Yapısının ve Yeni Enerji Seviyelerinin Laser Spektroskopik Olarak  
İncelenmesi, Postgraduate, H.Erdoğan(Student), 2022  
Kanat Öztürk İ., "Tulyum Elementinin Görünür Bölgedeki Spektral Çizgilerinin Sınıflandırılması ve Aşırı İnce Yapısının  
İncelenmesi, Doctorate, Ş.Şeninak(Student), 2020  
KANAT ÖZTÜRK İ., Tulyum Elementinin 3500cm<sup>-1</sup>-10000cm<sup>-1</sup> Aralığındaki Spektral Çizgilerin Sınıflandırılması ve Aşırı  
İnce Yapılarının İncelenmesi, Postgraduate, S.Sert(Student), 2019  
KANAT ÖZTÜRK İ., Classification of Spectral Lines of the Holmium in Between 700-850 nm and Hyperfine Structure  
Investigation, Postgraduate, S.Ashiba(Student), 2018  
KANAT ÖZTÜRK İ., Nötral Niyobyum Atomunun Çift ve Tek Konfigürasyonlarının İnce Yapısının Hesaplanması,  
Postgraduate, T.Yusuf(Student), 2014

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, March, 2021  
Doctoral Examination, Doctoral Examination, İstanbul Üniversitesi, January, 2021  
Associate Professor Exam, Associate Professor Exam, Istanbul University, December, 2020  
Associate Professor Exam, Associate Professor Exam, Istanbul University, August, 2020  
Doctorate, Doctorate, İstanbul Üniversitesi, July, 2020  
Associate Professor Exam, Associate Professor Exam, Istanbul University, March, 2020  
Associate Professor Exam, Associate Professor Exam, Istanbul University, March, 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Line identification of atomic and ionic spectra of Holmium in the near infrared spectral range from 700 nm to 1750 nm**  
Zengin M., Kın Barka S., Kanat Öztürk İ., Klincare I., Kröger S., Başar G.  
SPECTROCHIMICA ACTA - PART B: ATOMIC SPECTROSCOPY, vol.217, pp.1-17, 2024 (SCI-Expanded)
- II. **Hyperfine Structure Investigation of Singly Ionized Thulium in Fourier-transform Spectra**  
Kebapcı T. Y., Parlatan Ş., Sert S., Kanat Öztürk İ., Başar G., Şahin T., Bilir S., Ferber R., Tamanis M., Kröger S.  
ASTROPHYSICAL JOURNAL, vol.970, pp.1-12, 2024 (SCI-Expanded)
- III. **New even parity fine structure energy levels of atomic vanadium**  
Başar G., Erdoğan H., Bingöl D., Kanat Öztürk İ., Güzelçimen F., Kröger S., Windholz L., Pickering J., Başar G.  
SPECTROCHIMICA ACTA - PART B: ATOMIC SPECTROSCOPY, vol.207, pp.1-8, 2023 (SCI-Expanded)
- IV. **Experimental investigation of the hyperfine structure of Tm I with Fourier transform spectroscopy, part A: In the visible wavelength range (400-700 nm)**  
Parlatan Ş., Öztürk İ., BAŞAR G., Başar G., Ferber R., Kröger S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.287, 2022 (SCI-Expanded)
- V. **Experimental investigation of the hyperfine structure of Tm I with Fourier transform spectroscopy part b: In the NIR wavelength range from 700 nm to 2250 nm**  
Kebapcı T. Y., Sert S., Parlatan Ş., Öztürk İ., BAŞAR G., Başar G., Tamanis M., Kröger S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.287, 2022 (SCI-Expanded)
- VI. **New energy levels of atomic lanthanum with small total angular momentum quantum number discovered by laser spectroscopic methods in the near IR**  
Ozturk İ., Başar G., BAŞAR G., Ozdalgi B., Bingol D., GÜZELÇİMEN F., Windholz L., Kroger S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.253, 2020 (SCI-Expanded)
- VII. **Laser spectroscopic investigation of atomic holmium in the wavelength range from 780 nm to 830 nm: Hyperfine structure measurements and a new energy level**  
Başar G., Başar G., Özdalgıç B., Kanat Öztürk İ., Güzelçimen F., Bingöl D., Kröger S.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.243, 2020 (SCI-Expanded)
- VIII. **Line Identification of Atomic and Ionic Spectra of Holmium in the Visible Spectral Range. II. Spectrum of Ho II and Ho III**  
Ozdalgic B., Başar G., Güzelçimen F., Ozturk İ., Ak T., Bilir S., Tamanis M., Ferber R., Kroeger S.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.240, 2019 (SCI-Expanded)
- IX. **Line Identification of Atomic and Ionic Spectra of Holmium in the Visible Spectral Range. I. Spectrum of Ho I**  
Ozdalgic B., Guzelcimen F., Ozturk I. K., Kroeger S., Kruzins A., Tamanis M., Ferber R., Basar G.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.240, no.2, 2019 (SCI-Expanded)
- X. **Hyperfine structure measurements of neutral vanadium by inter-modulated laser-induced fluorescence spectroscopy in the wavelength range from 800 nm to 830 nm**  
Basar G., Guzelcimen F., Ozturk İ., Bingol D., Kroger S., Basar G.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.219, pp.1-6, 2018 (SCI-Expanded)
- XI. **Hyperfine structure measurements of neutral vanadium by laser-induced fluorescence spectroscopy in the wavelength range from 750 nm to 860 nm**  
Basar G., Guzelcimen F., Ozturk I. K., Er A., Bingol D., Kroeger S., Basar G.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.202, pp.193-199, 2017 (SCI-Expanded)
- XII. **Line Identification of Atomic and Ionic Spectra of Holmium in the Near-UV. II. Spectra of HoII and HoIII**  
Başar G., Al-Labady N., Ozdalgiç B., Güzelçimen F., Er A., Ozturk İ., Ak T., Bilir S., Tamanis M., Ferber R., et al.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.228, 2017 (SCI-Expanded)
- XIII. **Line Identification of Atomic and Ionic Spectra of Holmium in the Near-UV. Part I. Spectrum of Ho I**  
Al-Labady N., Ozdalgiç B., Er A., Guzelcimen F., Ozturk I. K., Kroeger S., Kruzins A., Tamanis M., Ferber R., Basar G.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.228, no.2, 2017 (SCI-Expanded)

- XIV. **New even and odd parity fine structure levels of La I discovered by means of laser-induced fluorescence spectroscopy**  
Basar G., Gamper B., Guzelcimen F., Ozturk I. K., Binder T., Basar G., Kroger S., Windholz L.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.187, pp.505-510, 2017 (SCI-Expanded)
- XV. **HIGH-RESOLUTION FOURIER TRANSFORM SPECTROSCOPY OF Nb I IN THE NEAR-INFRARED**  
Er A., Guzelcimen F., Basar G., Ozturk İ., Tamanis M., Ferber R., Kroeger S.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.221, no.1, 2015 (SCI-Expanded)
- XVI. **Investigation of the hyperfine structure of weak atomic Vanadium lines by means of Fourier transform spectroscopy**  
Guzelcimen F., Er A., Öztürk İ., Başar G., KROEGER S., TAMANIS M., FERBER R.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.48, no.11, 2015 (SCI-Expanded)
- XVII. **Parametric study of the fine and hyperfine structure for the even parity configurations of atomic niobium**  
Dembczynski J., Elantkowska M., Ruczkowski J., Öztürk İ., Er A., Güzelçimen F., Başar G., Kroger S.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.48, 2015 (SCI-Expanded)
- XVIII. **New energy levels of atomic niobium by laser induced fluorescence spectroscopy in the near infrared**  
Ozturk İ., Basar G., Er A., Guzelcimen F., Basar G., Kroger S.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.48, no.1, 2015 (SCI-Expanded)
- XIX. **Transition probabilities of neutral scandium**  
Öztürk İ., Celik G., Gokce Y., ATALAY B., Guzelcimen F., Er A., Başar G., Kröger S.  
CANADIAN JOURNAL OF PHYSICS, vol.92, no.11, pp.1425-1429, 2014 (SCI-Expanded)
- XX. **HYPERFINE STRUCTURE CONSTANTS OF ENERGETICALLY HIGH-LYING LEVELS OF ODD PARITY OF ATOMIC VANADIUM**  
Güzelçimen F., Yapici B., Demir G., Er A., Ozturk İ., Başar G., Kroeger S., Tamanis M., Ferber R., Docenko D., et al.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.214, 2014 (SCI-Expanded)
- XXI. **Hyperfine structure investigations of atomic niobium with optogalvanic and laser-induced fluorescence spectroscopy in the near-infrared wavelength range**  
Başar G., Başar G., Ozturk İ., Er A., Güzelçimen F., Kroeger S.  
ASTRONOMY & ASTROPHYSICS, 2013 (SCI-Expanded)
- XXII. **Hyperfine structure of the 3d(3)4s4p (6)G multiplet of atomic vanadium**  
Güzelçimen F., Başar G., Ozturk İ., Kroeger S., Ferber R., Jarmola A., Tamanis M., Başar G.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.44, 2011 (SCI-Expanded)
- XXIII. **Hyperfine structure study of atomic niobium with enhanced sensitivity of Fourier transform spectroscopy**  
Er A., Öztürk İ., Başar G., Kroeger S., Jarmola A., Ferber R., Tamanis M.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.44, 2011 (SCI-Expanded)
- XXIV. **Hyperfine structure measurements of neutral niobium with Fourier transform spectroscopy**  
Kroeger S., ER A., Ozturk İ., BAŞAR G., Jarmola A., Ferber R., Tamanis M., Zacs L.  
ASTRONOMY & ASTROPHYSICS, vol.516, 2010 (SCI-Expanded)
- XXV. **Hyperfine structure investigation of ScI, part II: theoretical studies of the odd configurations**  
Oeztuerk İ., Acar F. G., Basar G., Basar G., Kroeger S.  
PHYSICA SCRIPTA, vol.75, no.5, pp.624-629, 2007 (SCI-Expanded)
- XXVI. **Fine and hyperfine structure in the atomic spectrum of niobium**  
Kroeger S., Ozturk İ., Acar F. G., Basar G., Basar G., Wyart J. -.  
EUROPEAN PHYSICAL JOURNAL D, vol.41, no.1, pp.61-70, 2007 (SCI-Expanded)
- XXVII. **Hyperfine structure investigation of Mn I - Part II: Theoretical studies of the odd configurations**  
Acar F., Basar G., Basar G., Ozturk I., Kroger S.  
PHYSICA SCRIPTA, vol.71, no.3, pp.245-250, 2005 (SCI-Expanded)
- XXVIII. **Hyperfine structure of high lying levels of TmI**  
Basar G., Basar G., Ozturk I., Acar F., Kroger S.

- PHYSICA SCRIPTA, vol.71, no.2, pp.159-162, 2005 (SCI-Expanded)
- XXIX. **Experimental investigation of the hyperfine structure and theoretical studies of the even configurations of Sc I**  
Basar G., Basar G., Acar F., Ozturk I., Kroger S.  
PHYSICA SCRIPTA, vol.69, no.3, pp.189-195, 2004 (SCI-Expanded)
- XXX. **Hyperfine structure investigations of MnI - Part I: Experimental and theoretical studies of the hyperfine structure in the even configurations**  
Basar G., Basar G., ACAR G., Ozturk I., KROGER S.  
PHYSICA SCRIPTA, vol.67, no.6, pp.476-484, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Fine Structure of the Configurations 3d3, 3d4s5s, 3d5s2, 3d4s4d and 3d25s of Neutral Scandium Atom”**  
ÖZTÜRK İ.  
Journal of İstanbul Kültür University, vol.2004/1, pp.19-27, 2004 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **High Pressure Infrared Spectroscopy in Biological and Biomedical Studies**  
Taymaz A., Breiki G., ÖZTÜRK İ., Karaman A., Wong P.  
in: Analytical Use of Fluorescent Probes in Oncology, Kohen, Elli; Hirschberg, Joseph G. , Editor, Springer, New York, pp.383-392, 1997

## Refereed Congress / Symposium Publications in Proceedings

- I. **Classification of New Atomic Lines of Thulium in the Visible Region using FT Spectroscopy**  
Parlatan Ş., Kanat Öztürk İ., Başar G., Başar G., Tamanis M., Ferber R., Kroger .  
17th International Young Scientist conference Developments in Optics and Communications 2021, Riga, Latvia, 15 - 16 April 2021, pp.1
- II. **Classification of Spectral Lines of the Holmium in the Near Infrared**  
KANAT ÖZTÜRK İ., Ashiba S., GÜZELÇİMEN F., Özdalğıç B., Kröger S., BAŞAR G.  
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.1
- III. **Processing Atomic and Ionic Spectra of Holmium with Classification Program**  
Özdalğıç B., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., Kröger S., Başar G.  
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.1
- IV. **Identifying and Classifying New Ionic Lines of Holmium,**  
Başar G., Özdalğıç B., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S.  
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.1
- V. **Line Identification of Atomic Holmium**  
Özdalğıç B., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S., BAŞAR G.  
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.1
- VI. **Laser Spectroscopic Measurements of Atomic Vanadium in the Red Wavelength Range**  
Başar G., BAŞAR G., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., ER A., Bingöl D., Kröger S.  
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.563
- VII. **Line Classification of Atomic Holmium by means of Fourier Transform Spectroscopy from 317 to 400 nm**  
BAŞAR G., Al-Labady N., GÜZELÇİMEN F., OZTURK I. K., ER A., Özdalğıç B., AK T., BİLİR S., Kröger S., Tamanis M., et al.

Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.565

- VIII. **Laser Spectroscopic Measurements of Atomic Vanadium in the Red Wavelength Range**  
Başar G., Başar G., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., ER A., BİNGÖL D., Kröger S.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- IX. **Fine Structure Calculations Of Even-Parity Energy Levels of Doubly Ionized Molybdenum**  
GÜZELÇİMEN F., Başar G., KANAT ÖZTÜRK İ., Al-Labady N.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- X. **Hyperfine Structure of Atomic Holmium by Fourier Transform Spectroscopy in the UV Spectral Range**  
BAŞAR G., Al-Labady N., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Özdağlıç B., Kröger S., Kruzins A., Tamanis M., Ferber R.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- XI. **Doppler-Reduced Spectroscopic Measurements of the Hyperfine Structure of Atomic Vanadium in the Wavelength Range from 760 nm to 850 nm**  
Bingöl D., Başar G., Başar G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- XII. **Investigation of Saturation Effect on the Hyperfine Structure Components Using Laser Spectroscopy**  
Başar G., KANAT ÖZTÜRK İ., Başar G., GÜZELÇİMEN F., BİNGÖL D., Kröger S.  
TFD33, İstanbul, Turkey, 6 - 10 September 2017, pp.1
- XIII. **Line Classification of Ho II and Ho III by means of Fourier Transform Spectroscopy from 317 to 400 nm**  
Başar G., Al-Labady N., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., ER A., Özdağlıç B., AK T., BİLİR S., Kröger S., Tamanis M., et al.  
TFD33, Muğla, Turkey, 6 - 10 September 2017, pp.1
- XIV. **The Hyperfine Structure Investigation of V I Lines with Doppler-Reduced Laser Spectroscopic Method**  
BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Bingöl D., Kröger S., Başar G.  
Conference of the European Group on Atomic Systems (EGAS49), Durham, United Kingdom, 17 - 21 July 2017, pp.1
- XV. **Hyperfine Structure Investigation of Vanadium by Using Saturation Absorption Spectroscopy**  
BİNGÖL D., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S., BAŞAR G.  
Turkish Physical Society 32th International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, pp.276
- XVI. **Inter Modulated Laser-Induced Fluorescence Spectroscopy Measurements of Vanadium-Neon Plasma**  
BİNGÖL D., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Kröger S., BAŞAR G.  
Turkish Physical Society 32th International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, pp.277
- XVII. **Investigation of Hyperfine Structure of Atomic Holmium**  
BAŞAR G., Al-Labady N., Yapıcı B., GÜZELÇİMEN F., ER A., KANAT ÖZTÜRK İ., Kröger S., Kruzins A., Tamanis M., Ferber R.  
12th European Conference on Atoms Molecules and Photons (ECAMP12), Frankfurt, Germany, 5 - 09 September 2016, pp.59
- XVIII. **Transition Probabilities of the Neutral Niobium in the Wavelength Region from 300 to 400 nm**  
KANAT ÖZTÜRK İ., Atalay B., Kebapçı T. Y., Kröger S.  
ECAMP 12, Frankfurt, Germany, 5 - 09 September 2016, pp.1
- XIX. **Laser Induced Fluorescence Spectroscopy of Atomic Vanadium in the Wavelength Range of 760 nm to 840 nm**  
BAŞAR G., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., ER A., Kröger S.  
12th European Conference on Atoms Molecules and Photons (ECAMP12), Frankfurt, Germany, 5 - 09 September 2016, pp.321
- XX. **Experimental Hyperfine Structure Analysis of Atomic Niobium Using Laser Induced Fluorescence Spectroscopy**  
ER A., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., Siddiqui İ., Windholz L., Kröger S., BAŞAR G.  
9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.362

- XXI. **Transition Probabilities Of Neutral Antimony**  
Atalay B., Çelik G., KANAT ÖZTÜRK İ.  
International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.1
- XXII. **New Even-Parity Energy Levels of Atomic Lanthanum**  
GÜZELÇİMEN F., ER A., KANAT ÖZTÜRK İ., BAŞAR G., Kröger S., Siddiqui İ., Windholz L.  
9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.368
- XXIII. **New Energy Levels of Atomic Niobium**  
BAŞAR G., Kröger S., KANAT ÖZTÜRK İ., ER A., GÜZELÇİMEN F., Başar G.  
International Conference on Atomic and Molecular Data and Their Applications ICAMDATA, Jena, Germany, 21 - 25 September 2014, pp.1
- XXIV. **Theoretical Investigation of Fine Structure of Neutral Lanthanum**  
KANAT ÖZTÜRK İ., ER A., GÜZELÇİMEN F., BAŞAR G.  
Turkish Physical Society 31th International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.1
- XXV. **Theoretical Oscillator Strengths for Neutral Niobium**  
Atalay B., KANAT ÖZTÜRK İ., Kebapçı T. Y.  
TFD31, Muğla, Turkey, 21 - 24 July 2014, pp.1
- XXVI. **Extension Of The Data For Magnetic Dipole Hyperfine Structure Constants Of Vanadium I Levels**  
GÜZELÇİMEN F., BAŞAR G., KANAT ÖZTÜRK İ., ER A., Kröger S., Tamanis M., Ferber R.  
Turkish Physical Society 31th International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.1
- XXVII. **Determination of New Transitions of Atomic Niobium in the Near-Infrared**  
ER A., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Tamanis M., Ferber R., Kröger S.  
Turkish Physical Society 31th International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.1
- XXVIII. **Theoretical oscillator strengths for the Sc I**  
KANAT ÖZTÜRK İ., Atalay B., Çelik G., GÜZELÇİMEN F., ER A., BAŞAR G., Kröger S.  
46th Conference Of The European Group On Atomic Systems (EGAS 46), Lille, France, 1 - 04 July 2014, pp.83
- XXIX. **Confirmation of New Even-parity Energy Levels of La I by Laser-Induced Fluorescence Spectroscopy**  
BAŞAR G., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., ER A., Kröger S., Windholz L.  
46th Conference Of The European Group On Atomic Systems (EGAS 46), Lille, France, 1 - 04 July 2014, pp.74
- XXX. **Investigation of Fourier Transform Spectrum of Niobium in Argon Discharge in the near-infrared**  
ER A., BAŞAR G., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., Tamanis M., Ferber R., Kröger S.  
46th Conference Of The European Group On Atomic Systems (EGAS 46), Lille, France, 1 - 04 July 2014, pp.81
- XXXI. **Investigation of the Hyperfine Structure of Atomic Vanadium for Energetically High-lying levels up to 45000 cm<sup>-1</sup>**  
GÜZELÇİMEN F., Al-Labady N., BAŞAR G., KANAT ÖZTÜRK İ., ER A., Kröger S., Tamanis M., Ferber R.  
46th Conference Of The European Group On Atomic Systems (EGAS 46), Lille, France, 1 - 04 July 2014, pp.82
- XXXII. **Calculation of Oscillator Strengths For Neutral Manganese**  
Atalay B., KANAT ÖZTÜRK İ., Gökçe Y., Çelik G., BAŞAR G., Yıldız M.  
TFD30, İstanbul, Turkey, 2 - 05 September 2013, pp.1
- XXXIII. **Hyperfine Structure Investigation of V I lines with Fourier Transform Spectroscopy**  
GÜZELÇİMEN F., BAŞAR G., ÖZTÜRK İ., Kröger S., Ferber R., Tamanis M., Başar G.  
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, pp.1
- XXXIV. **Fourier Transform Spectroscopy of Niobium in the Infrared Region**  
ER A., ÖZTÜRK İ., BAŞAR G., Kröger S., Ferber R., Tamanis M.  
Turkish Physical Society 30th International Physics Conference, İstanbul, Turkey, 2 - 05 September 2013
- XXXV. **Experimental Hyperfine Structure Investigation of Atomic Nb**  
ÖZTÜRK İ., BAŞAR G., Başar G., ER A., GÜZELÇİMEN F., Kröger S.  
Turkish Physical Society 30th International Physics Conference, İstanbul, Turkey, 2 - 05 September 2013
- XXXVI. **Investigation of Nb I spectrum in the IR wavelength range**  
ER A., ÖZTÜRK İ., BAŞAR G., Kröger S., Ferber R., Tamanis M.  
11th EUROPEAN CONFERENCE ON ATOMS, MOLECULES AND PHOTONS (ECAMP11), Denmark, 1 - 04 June 2013
- XXXVII. **Hyperfine Structure Investigation of Nb I with Optogalvanic Spectroscopy**

- BAŞAR G., Başar G., ÖZTÜRK İ., ER A., GÜZELÇİMEN F., Kröger S.  
11th EUROPEAN CONFERENCE ON ATOMS, MOLECULES AND PHOTONS (ECAMP11), Denmark, 1 - 04 June 2013
- XXXVIII. **New experimental hyperfine structure constants of high-lying even-parity levels of vanadium**  
GÜZELÇİMEN F., BAŞAR G., ÖZTÜRK İ., ŞENİNAK Ş., Kröger S., Ferber R., Tamanis M., Başar G.  
11th EUROPEAN CONFERENCE ON ATOMS, MOLECULES AND PHOTONS (ECAMP11), Denmark, 1 - 04 June 2013
- XXXIX. **High Resolution Fourier Transform Measurements and Hyperfine Structure Investigations of Atomic Vanadium**  
GÜZELÇİMEN F., Demir G., BAŞAR G., ÖZTÜRK İ., Kröger S., Ferber R., Jarmola A., Tamanis M., Başar G.  
Turkish Physical Society 29th International Physics Congress, Turkey, pp.63
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Turkish Physical Society 29th International Physics Conference, Turkey, 1 - 04 September 2012, pp.386
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Yapıcı B., GÜZELÇİMEN F., BAŞAR G., ÖZTÜRK İ., Kröger S., Ferber R., Jarmola A., Tamanis M., Başar G.  
Turkish Physical Society 29th International Physics Congress, Turkey, pp.449
- XLII. **Hyperfine Structure Investigations and Classifications of New Transitions in  $^{93}\text{Nb}$  by Fourier Transform Spectroscopy**  
ER A., ÖZTÜRK İ., BAŞAR G., Kröger S., Jarmola A., Ferber R., Tamanis M.  
Turkish Physical Society 29th International Physics Conference, Turkey, 1 - 04 September 2012, pp.385
- XLIII. **Fabry-Perot İnterferometresinin Kalibrasyonu**  
Bingöl D., Başar G., ÖZTÜRK İ., ER A., GÜZELÇİMEN F., BAŞAR G.  
Turkish Physical Society 29th International Physics Conference, Turkey, 1 - 04 September 2012, pp.374
- XLIV. **Evaluation of Magnetic Dipole Hyperfine Structure Interaction Constants for  $51\text{V}$  Energy Levels**  
GÜZELÇİMEN F., Demir G., BAŞAR G., ÖZTÜRK İ., Kröger S., Ferber R., Jarmola A., Tamanis M., Başar G.  
Turkish Physical Society 29th International Physics Congress, Turkey, pp.398
- XLV. **Multiconfiguration Calculation of the Hyperfine Structure of Neutral Manganese**  
ÖZTÜRK İ., Acar G., BAŞAR G., Başar G., Kröger S.  
Turkish Physical Society 29th International Physics Conference, Turkey
- XLVI. **Experimental Determination of Magnetic Dipole Hyperfine Structure Constants For Levels Of The Configuration  $3d44p$  of Atomic Vanadium**  
GÜZELÇİMEN F., Demir G., BAŞAR G., ÖZTÜRK İ., Kröger S., Ferber R., Jarmola A., Tamanis M., Başar G.  
44th Conference of The European Group on Atomic Systems, Sweden, 1 - 04 July 2012, pp.147
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ER A., ÖZTÜRK İ., BAŞAR G., Kröger S., Jarmola A., Ferber R., Tamanis M.  
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- XLVIII. **Investigation of the Hyperfine Structure of the Configuration  $3d34s4p$  of Atomic Vanadium with Fourier Transform Spectroscopy**  
Yapıcı B., GÜZELÇİMEN F., BAŞAR G., ÖZTÜRK İ., Kröger S., Ferber R., Jarmola A., Tamanis M., Başar G.  
44th Conference of The European Group on Atomic Systems, Sweden, 1 - 04 July 2012, pp.167
- XLIX. **Experimental Determination of Magnetic Dipole Hyperfine Structure Constants For Levels of the Configuration  $3d44p$  of Atomic Vanadium**  
GÜZELÇİMEN F., Demir G., BAŞAR G., ÖZTÜRK İ., Kröger S., Ferber R., Jarmola A., Tamanis M., Başar G.  
44th Conference of The European Group on Atomic Systems (EGAS), Sweden, 1 - 04 July 2012, pp.147
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ER A., ÖZTÜRK İ., GÜZELÇİMEN F., BAŞAR G., Siddiqui I., Windholz L., Kröger S.  
Turkish Physical Society 28th International Physics Conference, Turkey, 1 - 04 September 2011, pp.454
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ÖZTÜRK İ., BAŞAR G., ER A., GÜZELÇİMEN F., Acar F. G., Kröger S.  
Turkish Physical Society 28th International Physics Conference, Turkey, 1 - 04 September 2011, pp.481
- LII. **Laser Induced Fluorescence Spectroscopy of Atomic Niobium in the Wavelength Range of 560 nm to**



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ER A., ÖZTÜRK İ., GÜZELÇİMEN F., BAŞAR G., Siddiqui İ., Windholz L., Kröger S.

43rd Conference of The European Group on Atomic Systems (EGAS), Switzerland, 1 - 04 July 2011, pp.168

- LIII. **Laser induced fluorescence spectroscopy of atomic niobium in the wavelength range of 560 nm to 620 nm**  
ER A., ÖZTÜRK İ., GÜZELÇİMEN F., BAŞAR G., Siddiqui I., Windholz L., Kröger S.  
43th EGAS Conference, Switzerland, 1 - 04 June 2011, pp.168
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ER A., GÜZELÇİMEN F., ÖZTÜRK İ., BAŞAR G., Kröger S., Siddiqui I., Windholz L.  
Turkish Physical Society 27th International Physics Congress, Turkey, 1 - 04 September 2010, pp.441
- LV. **Hyperfine Structure of Niobium I Using Laser-Induced Fluorescence Spectroscopy**  
ER A., GÜZELÇİMEN F., ÖZTÜRK İ., BAŞAR G., Kröger S., Siddiqui I., Windholz L.  
10th European Conference on Atoms Molecules and Photons ECAMP X, Spain, 1 - 04 July 2010, pp.0-106
- LVI. **Hyperfine Structure of Niobium I Using Laser-Induced Fluorescence Spectroscopy**  
ER A., GÜZELÇİMEN F., ÖZTÜRK İ., BAŞAR G., Kröger S., Siddiqui İ., Windholz L.  
10th European Conference on Atoms, Molecules and Photons (ECAMP X), Spain, 1 - 04 July 2010, pp.106
- LVII. **New lines of atomic niobium in Fourier transform spectra with enhanced sensitivity**  
ER A., ÖZTÜRK İ., BAŞAR G., Kröger S., Başar G., Jarmola A., Tamanis M., Ferber R.  
40th EGAS Conference, European Group for Atomic Spectroscopy, Austria, 1 - 04 July 2008
- LVIII. **High Resolution Fourier Transform Spectroscopy Of Atomic Niobium**  
ÖZTÜRK İ., ER A., BAŞAR G., Başar G., Kröger S., Jarmola A., Tamanis M., Ferber R.  
9th European Conference on Atoms Molecules and Photons (ECAMP), Greece, 1 - 04 May 2007, pp.0-4
- LIX. **The Recalculation of the Magnetic Dipole Splitting Constants With New Measurements of Neutral Manganese**  
ÖZTÜRK İ., Acar F. G., BAŞAR G., Başar G., Kröger S.  
38th EGAS Conference, European Group for Atomic Spectroscopy, Italy, 1 - 04 September 2006, pp.1
- LX. **Experimental Hyperfine Structure Investigation in Cobalt I**  
Başar G., BAŞAR G., Acar F. G., ÖZTÜRK İ., ER A., Kröger S.  
37th EGAS Conference, European Group for Atomic Spectroscopy, Ireland, 1 - 04 August 2005
- LXI. **Isotope Shift Measurements of Fe I**  
BAŞAR G., Başar G., ÖZTÜRK İ., Acar F. G., Kröger S.  
37th EGAS Conference, European Group for Atomic Spectroscopy, Ireland, 1 - 04 August 2005, pp.1
- LXII. **Investigation of fine and the hyperfine structure of the odd configurations 3d4s4p, 4s24p and 3d24p of neutral Scandium**  
ÖZTÜRK İ., Acar F. G., BAŞAR G., Başar G., Kröger S.  
37th EGAS Conference, European Group for Atomic Spectroscopy, Ireland, 1 - 04 August 2005, pp.1
- LXIII. **Experimental Hyperfine Structure Investigation in Cobalt I**  
Başar G., BAŞAR G., Acar F. G., ÖZTÜRK İ., ER A., Kröger S.  
37th EGAS Conference, European Group for Atomic Spectroscopy, Ireland, 1 - 04 August 2005
- LXIV. **Fine and hyperfine structure calculations for odd configurations of neutral Lanthanum**  
Acar F. G., ÖZTÜRK İ., BAŞAR G., Başar G., Kröger S.  
37th EGAS Conference, European Group for Atomic Spectroscopy, Ireland, 1 - 04 August 2005, pp.1
- LXV. **Experimental and Theoretical Investigation of the Hyperfine Structure in the Even Configurations of Os, Mn and Nb**  
Başar G., ÖZTÜRK İ., Başar G., Acar G., Kröger S.  
VIII. Ulusal Sıvihal Fiziği Sempozyumu, İstanbul, Turkey, 1 - 04 September 2004, pp.1
- LXVI. **Laser Spectroscopic Investigation of Hyperfine Structure in the Yellow Wavelength Region of Neutral Thulium**  
BAŞAR G., Başar G., ÖZTÜRK İ., Acar F. G., Kröger S.  
8th EPS Conference on Atomic and Molecular Physics (ECAMP), France, 1 - 04 July 2004, pp.1

- LXVII. **Experimental Hyperfine Structure Investigation in Niobium I**  
Başar G., BAŞAR G., ÖZTÜRK İ., Acar G., Kröger S.  
8th EPS Conference on Atomic and Molecular Physics, France, 1 - 04 July 2004, pp.16
- LXVIII. **Parametric Studies of the Hyperfine Structure in the Odd Configurations 3d5s4p, 3d5s5p and 3d64p of Mn I**  
ÖZTÜRK İ., Acar F. G., BAŞAR G., Başar G., Kröger S.  
8th EPS Conference on Atomic and Molecular Physics (ECAMP), France, 1 - 04 July 2004, pp.1
- LXIX. **A Set of Programmes for the Parametric Analysis of Hyperfine Structure Data**  
Acar F. G., ÖZTÜRK İ., BAŞAR G., Başar G., Kröger S.  
8th EPS Conference on Atomic and Molecular Physics (ECAMP), France, 1 - 04 July 2004, pp.1
- LXX. **Fine and Hyperfine-Structure Calculations of Even Configurations in Sc I**  
Acar F. G., BAŞAR G., Başar G., ÖZTÜRK İ., Kröger S.  
35th European Group for Atomic Spectroscopy (EGAS) Conference, Belgium, 1 - 04 July 2003
- LXXI. **Experimental Hyperfinestructure Investigation in Scandium I**  
Başar G., BAŞAR G., Acar F. G., ÖZTÜRK İ., Kröger S.  
35th European Group for Atomic Spectroscopy (EGAS) Conference, Belgium, 1 - 04 July 2003
- LXXII. **Parametric study of fine and hyperfine structure for even configurations of Mn I**  
ÖZTÜRK İ., BAŞAR G., Başar G., Acar F. G., Kröger S.  
34nd European Group for Atomic Spectroscopy (EGAS) Conference, Bulgaria, 1 - 04 July 2002
- LXXIII. **Parametric study of fine and hyperfine structure for odd configurations of the hyperfine structure in Mn I**  
Acar G., BAŞAR G., ÖZTÜRK İ., Başar G., Kröger S.  
34th Conference of the European Group for Atomic Spectroscopy EGAS, Bulgaria, 1 - 04 July 2002, pp.115
- LXXIV. **Experimental Hyperfinestructure Investigation in Mangan I**  
Başar G., BAŞAR G., Acar F. G., ÖZTÜRK İ., Kröger S.  
34nd European Group for Atomic Spectroscopy (EGAS) Conference, Bulgaria, 1 - 04 July 2002
- LXXV. **Parametric Investigation of Hyperfine Structure for even Configurations in Os I**  
BAŞAR G., Başar G., Kröger S., ÖZTÜRK İ., Guthöhrlein G. H.  
The Seventh European Conference on Atomic and Molecular Physics (ECAMP), Germany, 1 - 04 July 2001
- LXXVI. **Dose Mean Values of Energy Deposition In Tissue Material For Fast Neutrons**  
Taymaz A., ÖZTÜRK İ., Tutay A.  
The IRPA Regional Symposium on Radiation Protection, Czech Republic, 1 - 04 September 1997, pp.44-47
- LXXVII. **A Monte Carlo Model For Heavy Ion Dosimetry Applications**  
Taymaz A., Karaman A., ÖZTÜRK İ., Breiki G., Tutay A.  
Simulation in Industry, 8th European Simulation Symposium, Italy, 1 - 04 October 1996, pp.79-84
- LXXVIII. **Monte Carlo Simulation of Microdosimetric Parameters for Fast Neutrons**  
Breiki G., ÖZTÜRK İ., Taymaz A., Karaman A., Öztürk F.  
Simulation in Industry, 8th European Simulation Symposium, Italy, 1 - 04 October 1996, pp.192-193
- LXXIX. **Monte Carlo Simulation in Heavy Ion Dosimetry**  
Karaman A., Taymaz A., ÖZTÜRK İ., Breiki G., Tutay A.  
Türk Fizik Derneği 16. Fizik Kongresi, Turkey, 1 - 04 August 1996, pp.209
- LXXX. **Microdosimetry Characteristics of 20 MeV Fast Neutron**  
ÖZTÜRK İ., Taymaz A., Karaman A., Breiki G., Öztürk F.  
Türk Fizik Derneği 16. Fizik Kongresi, Turkey, 1 - 04 August 1996, pp.206
- LXXXI. **Monte Carlo Simulation of 100 MeV N+ Ion Tracks in Bone Tissue**  
Taymaz A., ÖZTÜRK İ., Breiki G., Karaman A.  
Summer Computer Simulation Conference, Canada, 1 - 04 July 1995, pp.740-744

## Supported Projects

Akalın E., Kanat Öztürk İ., Şahin T., TUBITAK Project, Seçilmiş Nadir Toprak Elementlerinin Geçiş Olasılıklarının Hesabı: Metalce Fakir Yıldız Tayflarında Sınanması, 2022 - 2023

Kanat Öztürk İ., Başar G., Başar G., Güzelçimen F., TUBITAK Project, Vanadyum Atomunun Laser Spektroskopik Yöntemler Kullanılarak Aşırı İnce Yapısının İncelenmesi Ve Yeni İnce Yapı Enerji Seviyelerinin Bulunması, 2021 - 2022

KANAT ÖZTÜRK İ., GÜZELÇİMEN F., BAŞAR G., Başar G., TUBITAK Project, Lantan Atomunun Geçiş Olasılıklarının Hesaplanması ve Yeni Enerji Seviyelerinin Optogalvanik ve Laserle Uyarılmış Floresans Spektroskopi ile Belirlenmesi, 2018 - 2019

KANAT ÖZTÜRK İ., GÜZELÇİMEN F., ER A., AL-LABADY N. J. M., BİNDER T., KRÖGER S., ÖZDALGIÇ B., BİNGÖL D., GAMPER B., FERBER R., et al., Project Supported by Higher Education Institutions, Niobium elementinin laser uyarılmış floresans spektroskopi metodu ile çift ve tek pariteli enerji seviyelerinin bulunması, 2017 - 2018

AL-LABADY N. J. M., KRÖGER S., TAMANİS M., FERBER R., KANAT ÖZTÜRK İ., GÜZELÇİMEN F., ÖZDALGIÇ B., KRUZİNS A., Project Supported by Higher Education Institutions, Hyperfine Structure of Atomic Holmium by Fourier Transform spectroscopy in the UV spectral range, 2017 - 2017

BAŞAR G., BİNGÖL D., GÜZELÇİMEN F., KRÖGER S., BAŞAR G., KANAT ÖZTÜRK İ., Project Supported by Higher Education Institutions, The hyperfine structure Investigation of V I lines with Doppler Reduced Laser Spectroscopic Method, 2017 - 2017

BAŞAR G., ER A., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., KRÖGER S., FERBER R., TAMARİS M., Project Supported by Higher Education Institutions, Vanadyum Elementinin aşırı ince yapısının laserle uyarılmış floresans metodu ile incelenmesi, 2016 - 2017

GÜZELÇİMEN F., BAŞAR G., BAŞAR G., KRÖGER S., ER A., KANAT ÖZTÜRK İ., Project Supported by Higher Education Institutions, Holmiyum Elementinin Kırmızı Spektral Bölgedeki Aşırı İnce Yapısının İncelenmesi, 2015 - 2017

KANAT ÖZTÜRK İ., KEBAPCI T. Y., KRÖGER S., ATALAY B., Project Supported by Higher Education Institutions, Transition Probabilities of the Neutral Niobium in the Wavelength Region from 300 to 400 nm, 2016 - 2016

BAŞAR G., ER A., GÜZELÇİMEN F., KANAT ÖZTÜRK İ., KRÖGER S., FERBER R., TAMARİS M., KURUZİNS A., AL-LABADY N. J. M., ÖZDALGIÇ B., Project Supported by Higher Education Institutions, Investigation of Hyperfine Structure of Atomic Holmium, 2016 - 2016

KANAT ÖZTÜRK İ., Project Supported by Higher Education Institutions, Nötral Skandiyum Atomunun Geçiş Olasılıklarının ve Osilasyon Şiddetlerinin Hesaplanması, 2015 - 2016

KANAT ÖZTÜRK İ., Project Supported by Higher Education Institutions, Theoretical oscillator strengths for the Sc I, 2014 - 2014

KANAT ÖZTÜRK İ., Project Supported by Higher Education Institutions, Nötral Niobyum Atomunun Çift ve Tek konfigürasyonlarının İnce Yapısının Hesaplanması, 2013 - 2014

AKALIN E., DÖNMEZ Ö., KARA KOÇ K., KANAT ÖZTÜRK İ., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, İLERİ LİTOGRAFIK YÖNTEMLER LABORATUVARLARI, 2013 - 2013

KANAT ÖZTÜRK İ., Project Supported by Higher Education Institutions, Kobalt (Co) Elementinin Aşırı İnce Yapısının Laserle Uyarılmış Floresans Spektroskopi Metodu İle İncelenmesi, 2010 - 2013

KANAT ÖZTÜRK İ., Project Supported by Higher Education Institutions, Nb I Elementinin Aşırı İnce Yapısının Laser Uyarılmış Floresans Spektroskopi İle İncelenmesi, 2009 - 2010

## **Memberships / Tasks in Scientific Organizations**

COST Action Proposal, Member, 2018 - Continues

Türk Fizik Derneği, Member, 2012 - Continues

## **Scientific Refereeing**

Balkan Physics Letters , Other journals, April 2014

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## Congress and Symposium Activities

ECAMP 12, Attendee, Frankfurt, Germany, 2016

EGAS 46, Attendee, Lille, France, 2014

TFD-30, Attendee, İstanbul, Turkey, 2013

Ecamp11, Attendee, Aarhus, Denmark, 2013

TFD-29, Attendee, Borum, Muğla, Turkey, 2012

44th EGAS Conference, Attendee, Göteborg, Sweden, 2012

TFD 28, Attendee, Bodrum, Muğla, Turkey, 2011

EGAS 43, Attendee, Fribourg, Switzerland, 2011

TFD 27, Attendee, İstanbul, Turkey, 2010

"ECAMP X, Attendee, Salamanca, Spain, 2010

EGAS 40, Attendee, Graz, Austria, 2008

"ECAMP IX, Attendee, Heraklion, Greece, 2007

"EGAS 38, Attendee, Napoli, Italy, 2006

EGAS 37, Attendee, Dublin, Ireland, 2005

"ECAMP 8, Attendee, Rennes, France, 2004

EGAS 35, Attendee, Brüksel, Belgium, 2003

EGAS 34, Attendee, Sofya, Bulgaria, 2002

"ECAMP VII, Attendee, Berlin, Germany, 2001

The IRPA Regional Symposium on Radiation Protection, Attendee, Prag, Czech Republic, 1997

Simulation in Industry, 8th European Simulation Symposium, Attendee, Genoa, Italy, 1996

International Congress on Radiation Protection, Attendee, Viyana, Austria, 1996

Summer Computer Simulation Conference, Attendee, Ottawa, Canada, 1995