

## Lect. YUSUF İPEKOĞLU

### Personal Information

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### International Researcher IDs

ScholarID: 8otTrTEAAAAJ

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Publons / Web Of Science ResearcherID: ABA-4358-2021

ScopusID: 6508113925

Yoksis Researcher ID: 163867

### Education Information

Doctorate, Massachusetts Institute of Technology, School of Science, Physics, United States Of America 1988 - 1994

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1985 - 1988

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, Turkey 1980 - 1985

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Investigations in Planar Physics, Massachusetts Institute of Technology, School of Science, Physics, 1994

Postgraduate, One-loop structure of non-linear sigma models in symmetric spaces, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1988

### Research Areas

Physics, Basic Particles and Areas, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1996 - Continues

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1996 - 1996

Lecturer PhD, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1994 - 1996

Research Assistant, Massachusetts Institute of Technology, School of Science, Physics, 1988 - 1994

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1985 - 1988

## Academic and Administrative Experience

Bölüm Başkan Danışmanı, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2012 - Continues

## Courses

CLASSICAL MECHANICS II, Undergraduate, 2021 - 2022, 2020 - 2021  
PROJECTS IN PHYSICS, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020  
CLASSICAL MECHANICS I, Undergraduate, 2021 - 2022, 2020 - 2021  
BASIC PHYSICS II, Undergraduate, 2018 - 2019, 2016 - 2017  
MATHEMATICAL METHODS IN PHYSICS II, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2000 - 2001  
GROUP THEORY IN PHYSICS, Undergraduate, 2010 - 2011, 2005 - 2006, 2002 - 2003  
MATHEMATICAL METHODS IN PHYSICS I, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003  
QUANTUM CRYPTOGRAPHY, Postgraduate, 2009 - 2010  
CLASSICAL MECHANICS, Undergraduate, 2009 - 2010, 2008 - 2009, 1998 - 1999, 1997 - 1998, 1996 - 1997, 1995 - 1996, 1994 - 1995  
QUANTUM MECHANICS I, Postgraduate, 2006 - 2007  
INTRODUCTION TO QUANTUM INFORMATION THEORY, Undergraduate, 2006 - 2007  
SPECIAL TOPICS IN LOW DIMENSIONAL FIELD THEORIES, Postgraduate, 2002 - 2003  
QUANTUM FIELD THEORY II, Postgraduate, 1998 - 1999  
QUANTUM FIELD THEORY I, Postgraduate, 1998 - 1999  
GENERAL THEORY OF RELATIVITY, Undergraduate, 1997 - 1998  
QUANTUM MECHANICS II, Undergraduate, 1996 - 1997  
QUANTUM THEORY AND ITS APPLICATIONS, Undergraduate, 1996 - 1997  
SPECIAL THEORY OF RELATIVITY, Undergraduate, 1997 - 1998  
APPLICATIONS OF QUANTUM MECHANICS, Undergraduate, 1996 - 1997

## Advising Theses

İPEKOĞLU Y., Entanglement in the relativistic quantum mechanics, Postgraduate, E.YAKABOYLU(Student), 2010  
İPEKOĞLU Y., Entanglement measures, Postgraduate, K.UYANIK(Student), 2008  
İPEKOĞLU Y., Finsler geometry and its applications to electromagnetism, Postgraduate, A.ÇAĞIL(Student), 2003  
İPEKOĞLU Y., Electrically charged vortex solutions in Born-Infeld theory with a Chern-Simons term, Postgraduate, M.ÇİMŞİT(Student), 2003  
İPEKOĞLU Y., The faddeev-jackiw quantization of the  $u(1)$  gauged  $su(2)$  wzw model, Postgraduate, İ.Turan(Student), 1999  
İPEKOĞLU Y., The Faddeev-Jackin quantization of the  $U(1)$  gauged  $SU(2)$  WZW model, Postgraduate, İ.TURAN(Student), 1999

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

1. An elementary derivation of the quantum virial theorem from Hellmann-Feynman theorem  
İPEKOĞLU Y., TURGUT S.

EUROPEAN JOURNAL OF PHYSICS, vol.37, no.4, 2016 (SCI-Expanded)

- II. **Double-lepton polarization asymmetries and branching ratio in  $B \rightarrow K-0^{*}(1430)l^{(+)}l^{(-)}$  transition from universal extra dimension model**

ŞİRVANLI B. B., AZİZİ K., İPEKOĞLU Y.

JOURNAL OF HIGH ENERGY PHYSICS, no.1, 2011 (SCI-Expanded)

- III. **Higher dimensional Bell-Szekeres metric**

Gurses M., Ipekoglu Y., Karasu A., Senturk C.

Physical Review D, vol.68, no.8, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A comment on boundary conditions of bosonic Lagrange multipliers at finite temperature**

Thomaz M., Ipekoğlu Y.

European Journal of Physics, vol.17, no.2, pp.82-84, 1996 (Scopus)

- II. **Thermal and quantum fluctuations in supersymmetric Chern-Simons theory**

Ipekoğlu Y., Leblanc M., Thomaz M.

Annals of Physics, vol.214, no.1, pp.160-179, 1992 (Scopus)

## Metrics

Publication: 5

Citation (WoS): 15

Citation (Scopus): 22

H-Index (WoS): 3

H-Index (Scopus): 3

## Non Academic Experience

TUBİTAK, TÜBİTAK, Başkanlık