Lect. YUSUF İPEKOĞLU

Personal Information

Office Phone: +90 321 210 5053

Email: ipekoglu@metu.edu.tr

Other Email: ipekogly@alum.mit.edu

Web: https://avesis.metu.edu.tr/ipekoglu

Address: ODTÜ Fizik Bölümü

International Researcher IDs

ScholarID: 8otTrTEAAAAJ

ORCID: 0000-0003-3016-3807

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-line ar 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 FİELD 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

I. **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 -> 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): 26
H-Index (WoS): 3
H-Index (Scopus): 4

Non Academic Experience

TUBITAK, TÜBİTAK, Başkanlık