

Assoc. Prof. Göksel DAYLAN ESMER

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAE-2390-2020

Yoksis Researcher ID: 60335

Education Information

Doctorate, Istanbul University, Fen Fakültesi, Fen Bilimleri Ens., Fizik, Fizik, Matematiksel Fizik, Turkey 1991 - 1997

Postgraduate, Istanbul University, Fen Fakültesi, Fen Bilimleri, Fizik, Matematiksel Fizik, Turkey 1988 - 1991

Foreign Languages

Arabic, B1 Intermediate

English, B1 Intermediate

Certificates, Courses and Trainings

Other, FOTĞRAFÇILIK SEMİNERİ KATILIM BELGESİ, İSTANBUL ÜNİVERSİTESİ, 2006

Other, VII. EĞİTİM BECERİLERİ KURSU, İSTANBUL TIP FAKÜLTESİ, 2001

Education Management and Planning, GENÇLİK DÖNEMİ VE ÜNİV. GENÇLİĞİNE YÖNELİK PSİKOLOJİK DANIŞMANLIK VE REHBERLİK, EĞİTİM BİLİMLERİ, 2000

Research Areas

Physics, Basic Particles and Areas, General Theory of Particles and Fields, Natural Sciences

Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty of Science, Fizik, 2014 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Fizik, 2000 - 2014

Academic and Administrative Experience

Courses

Karadelik Fiziği, Doctorate, 2020 - 2021
KLASİK MEKANİK, Undergraduate, 2020 - 2021
Matematik I, Undergraduate, 2020 - 2021
Rölativite Teorilerine Giriş, Undergraduate, 2019 - 2020
İLERİ ELEKTROMAGNETİK TEORİ, Undergraduate, 2018 - 2019
İLERİ ELEKTROMAGNETİK TEORİ, Postgraduate, 2018 - 2019
KLASİK TEORİK MEKANİK, Undergraduate, 2018 - 2019
RÖLATİVİTE TEORİLERİNE GİRİŞ, Undergraduate, 2018 - 2019, 2017 - 2018
ELEKTRODİNAMİK, Undergraduate, 2017 - 2018
GENEL RÖLATİVİTE TEORİSİ I, Undergraduate, 2017 - 2018
İleri Fizik Uygulamaları, Undergraduate, 2013 - 2014, 2012 - 2013, 2010 - 2011
Rölativite Teorilerine Giriş (II. Öğretim)), Undergraduate, 2013 - 2014
Klasik Teorik Mekanik, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003
Fizik IV (II. Öğretim), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012
Fizik IV (Örgün öğretim), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
İleri Fizik Uygulamaları (II. Öğretim), Undergraduate, 2013 - 2014
Rölativite Teorilerine Giriş (Örgün Öğretim), Undergraduate, 2013 - 2014
Genel Rölativite Teorisi, Postgraduate, 2013 - 2014, 2012 - 2013
Özel Rölativite Teorisi, Postgraduate, 2012 - 2013, 2011 - 2012
Rölativite Teorilerine Giriş (Örgün Öğretim), Undergraduate, 2012 - 2013, 2011 - 2012
Teorik Mekanik II (Harran Ün. İnteraktif), Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001
Teorik Mekanik I (Harran Ün. İnteraktif), Undergraduate, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001, 1999 - 2000
Fizik IV (II. Öğretim), Undergraduate, 2010 - 2011
Fizik IV (Örgün öğretim), Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006
Matematik (Eczacılık Fakültesi), Undergraduate, 2007 - 2008, 2006 - 2007
Fizik IV (ASTRONOMİ BÖL), Undergraduate, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001

Advising Theses

Daylan Esmer G., DÖNEN KARA DELİKLERİN UZAY-ZAMANINDA IŞIĞIN BÜKÜLME OLAYININ İNCELENMESİ, Postgraduate, A.ÇALIŞKAN(Student), 2020
DAYLAN ESMER G., Karanlık Enerji ve Dönen Kara Delikler, Postgraduate, O.Aydilek(Student), 2017
DAYLAN ESMER G., Kaluza-Klein Teorisinde Dönen Kara Deliklerin Gravitasyonel Etkileri, Postgraduate, H.Oğuz(Student), 2016

Jury Memberships

Post Graduate, YÜKSEK LİSANS SINAVI, İSTANBUL ÜNİVERSİTESİ, June, 2017
Post Graduate, YÜKSEK LİSANS SINAVI, İSTANBUL ÜNİVERSİTESİ, January, 2011
Appointment to Academic Staff-Assistant Professorship, ARAŞ. GÖR. KADROSUNA ATANMA, İSTANBUL ÜNİVERSİTESİ, December, 2009
Post Graduate, YÜKSEK LİSANS SINAVI, GEBZE YÜKSEK TEKNOLOJİ ENSTİTÜSÜ, June, 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Separability and Hidden Symmetries of Kerr-Taub-NUT Spacetime in Kaluza-Klein Theory**
DAYLAN ESMER G.
Gravitation and Cosmology, no.19, pp.139-0, 2013 (SCI-Expanded)
- II. **Hidden symmetries and geodesics of Kerr spacetime in Kaluza-Klein theory**
Aliev A. N., Esmer G. D.
PHYSICAL REVIEW D, vol.87, no.8, 2013 (SCI-Expanded)
- III. **Strong gravity effects of rotating black holes: quasi-periodic oscillations**
Aliev A. N., Esmer G. D., Talazan P.
CLASSICAL AND QUANTUM GRAVITY, vol.30, no.4, 2013 (SCI-Expanded)
- IV. **A new model for the formation of mini black holes**
Esmer G., Zebitay S.
GENERAL RELATIVITY AND GRAVITATION, vol.32, no.7, pp.1241-1254, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Gravitasyon Kökenli Çökme ve Karadelikler**
DAYLAN ESMER G.
Anadolu Üniversitesi, Bilim ve Teknoloji Dergisi, no.1, pp.1-11, 2000 (Peer-Reviewed Journal)
- II. **Penrose Süreci ve Kerr Karadeligi'nin Alanında Hareket Problemi**
DAYLAN ESMER G.
Anadolu University Journal of Science and Technology, no.1, pp.13-19, 2000 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Matematik Fizikte Kısmi Türevli Diferansiyel Denklemler**
Zebitay Ş., DAYLAN ESMER G.
İstanbul Üniversitesi, Fen Fak., İstanbul, 2004
- II. **Horizons and Geodesics of Black Ellipsoids with Anholonomic Conformal Symmetries**
Vacaru S., DAYLAN ESMER G.
in: Focus on Mathematical Physics, Charles V., Editor, Nova Science Publishers, New York, pp.1-14, 2003

Refereed Congress / Symposium Publications in Proceedings

- I. **BLACK HOLES AND GRAVITATIONAL WAVES**
Daylan Esmer G., Çalışkan A.
tfd, Muğla, Turkey, 5 - 09 September 2018, pp.510
- II. **Some Observational Effects Of Kerr-Sen Black Holes**
DAYLAN ESMER G.
Türk Fizik Derneği 33, 6 - 10 September 2017
- III. **Dark Energy and Gravitational Effects of Kerr De Sitter Black Holes**
Daylan Esmer G., Aydilek O.
T.P.S. 33. International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.417
- IV. **Gravitational Effects Of Rotating Black Holes In Kaluzaklein Theory**
DAYLAN ESMER G.
13th Asia Pacific Physics Conference and 22nd Australian Institute of Physics Congress, Brisbane, Australia, 4 - 08 December 2016, pp.1-5
- V. **PERIASTRON AND FRAME-DRAGGING MOTION EFFECTS OF KERR- KALUZA-KLEIN BLACK HOLES**
DAYLAN ESMER G., Oğuz H.

TFD 32, 6 - 09 September 2016

VI. PHYSICAL EFFECTS OF REISSNER NORDSTRÖM BLACK HOLES QUASI PERIODIC OSCILLATIONS

DAYLAN ESMER G., Hasan O.

9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015

Supported Projects

DAYLAN ESMER G., AYDİLEK O., Project Supported by Higher Education Institutions, KERR - SEN KARADELİKLERİNİN GÖZLEMSEL ETKİLERİ, 2017 - 2021

DAYLAN ESMER G., AYDİLEK O., Project Supported by Higher Education Institutions, Karanlık Enerji ve Dönen Kara Delikler, 2016 - 2018

DAYLAN ESMER G., Project Supported by Higher Education Institutions, KALUZA-KLEIN TEORİSİNDE, KERR -TAUB - NUT METRİĞİNİN SAKLI SİMETRİLERİ, 2011 - 2014

DAYLAN ESMER G., Project Supported by Higher Education Institutions, DÖNEN KARADELİKLERİN FİZİKSEL ÖZELLİKLERİ:GÖZLENEBİLEN YÖRÜNGELER, 2009 - 2010

Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği, Member, 2000 - Continues

Metrics

Publication: 14

Citation (WoS): 41

Citation (Scopus): 38

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

APPC-AIP Congress 2016, Attendee, Brisbane, Australia, 2016

TFD 32, Attendee, Muğla, Turkey, 2016

Extremes of Black Hole Accretion, Attendee, Madrid, Spain, 2015

12th Workshop on Quantization, Dualities, and Integrable Systems, Attendee, Koç Üniversitesi / İstanbul, Turkey, 2013

V Black Holes Workshop - Lisbon, Attendee, Lizbon, Portugal, 2012

29. TFD Ulusal Fizik Kongresi, Attendee, Bodrum, Turkey, 2012

28. TFD Ulusal Fizik Kongresi, Attendee, Bodrum, Turkey, 2011

The Accelerating Universe - Paris, Attendee, Paris, Turkey, 2011

GÜNEŞ VE GÜNEŞ BENZERİ YILDIZLAR, Attendee, İstanbul, Turkey, 2010

Research School on Cosmology, Feza Gürsey Enstitüsü, Attendee, İstanbul, Turkey, 2005

International Workshop on Global Analysis, Attendee, Ankara, Turkey, 2004

Gravitation And Cosmology , Feza Gürsey Enstitüsü, Attendee, İstanbul, Turkey, 2003

Formal Description of Developing Systems , Hawaii, Attendee, Manoa, 2002

The Fifteenth Meeting of the International Society on General Relativity and Gravitation- India, Attendee, Pune, India, 1998

Summer School in High Energy and Cosmology - Trieste, Attendee, Trieste, Turkey, 1997

14. TFD Ulusal Fizik Kongresi, Attendee, Lefkoşe, Turkey, 1993

Summer School in High Energy and Cosmology - Trieste, Attendee, Trieste, Turkey, 1992

12. TFD Ulusal Fizik Kongresi, Attendee, İzmir, Turkey, 1991

Diferansiyel Denklemler Sempozyumu V, Attendee, Eskişehir, Turkey, 1991

Summer School in High Energy and Cosmology - Trieste, Attendee, Trieste, Turkey, 1991

Summer School in High Energy and Cosmology - Trieste, Attendee, Trieste, Turkey, 1990

10. TFD Ulusal Fizik Kongresi, Attendee, İstanbul, Turkey, 1989

II. Trakya Teorik Fizik Seminerleri, Attendee, Edirne, Turkey, 1989

Non Academic Experience

İstanbul Üniversitesi