

Prof. ÖZGÜR DELİCE

Personal Information

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Biography

I am a faculty member in [Physics Department](#) at [Faculty of Science and Letters](#) of [Marmara University](#). My research is in the field of theoretical physics with a focus on gravitation and cosmology.

Education Information

Doctorate, Bogazici University, Institute Of Science, Fizik (Dr), Turkey 2000 - 2006

Postgraduate, Bogazici University, Institute Of Science, Fizik (YI) (Tezli), Turkey 1997 - 2000

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1992 - 1996

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Cylindrically symmetric spacetimes with pure radiation, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2006

Postgraduate, Cylindrically symmetric cosmic stringy surfaces and their transmutations, Boğaziçi Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2000

Research Areas

Physics, General Physics, Relativity and Gravitation

Academic Titles / Tasks

Professor, Marmara University, Faculty Of Arts And Sciences, Physics, 2015 - Continues

Associate Professor, Marmara University, Faculty Of Arts And Sciences, Physics, 2010 - 2015

Assistant Professor, Namık Kemal Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2009 - 2010

Research Assistant, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, 2000 - 2006

Courses

Modern Physics, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Advanced Classical Mechanics, Doctorate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
Classical Mechanics, Postgraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022
Calculus 2, Undergraduate, 2020 - 2021, 2021 - 2022
Astrophysics and Cosmology, Undergraduate, 2016 - 2017, 2017 - 2018, 2020 - 2021, 2021 - 2022
Linear Algebra, Undergraduate, 2019 - 2020, 2020 - 2021
Linear Algebra, Undergraduate, 2019 - 2020, 2020 - 2021
Mekanik, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
Calculus 1, Undergraduate, 2020 - 2021
Calculus 1, Undergraduate, 2020 - 2021
Lineer Algebra, Undergraduate, 2019 - 2020
Introduction to Relativity Theories, Undergraduate, 2018 - 2019, 2019 - 2020
Modern Physics Laboratory, Undergraduate, 2019 - 2020

Advising Theses

Delice Ö., Dynamics of particles and fields in gravitational monopole space - times, Postgraduate, M.HALUK(Student), 2019
Delice Ö., Bölükbaşı O., Alternatif kütleçekim kuramları ve kütleçekim dalgaları, Doctorate, H.ÖZER(Student), 2018
Delice Ö., Alternatif kütle-çekim kuramlarının aksel simetrik çözümleri, Doctorate, P.KİREZLİ(Student), 2016
DELİCE Ö., Delice Ö., Galaksi kümelerinin x-ışın gözlemleri, Postgraduate, C.Uludağ(Student), 2013
Delice Ö., Dönen kara delikler için gri-cisim katsayıları, Postgraduate, T.DURĞUT(Student), 2013
Delice Ö., BRANS - DICKE kuramında silindirik vakum çözümleri, Postgraduate, L.AKYAR(Student), 2012
Delice Ö., Kazıcı D., Yüksek boyutlu, statik, silindirselsel simetrik uzay-zamanlarda einstein-maxwell çözümleri, Postgraduate, P.KİREZLİ(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Gravitational waves in Brans–Dicke theory with a cosmological constant**
ÖZER H., DELİCE Ö.
European Physical Journal C, vol.81, no.4, 2021 (Journal Indexed in SCI)
- II. **Bending of light from Reissner-Nordstrom-de Sitter-monopole black hole**
Secuk M. H. , DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.135, no.7, 2020 (Journal Indexed in SCI)
- III. **Superradiance of a global monopole in Reissner-Nordstrom(-AdS) space-time**
Secuk M. H. , DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL C, vol.80, no.5, 2020 (Journal Indexed in SCI)
- IV. **Linearized modified gravity theories with a cosmological term: advance of perihelion and deflection of light**
Ozer H., DELİCE Ö.
CLASSICAL AND QUANTUM GRAVITY, vol.35, no.6, 2018 (Journal Indexed in SCI)
- V. **Modified Einstein-Gauss-Bonnet gravity: Riemann-Cartan and pseudo-Riemannian cases**
Ozer H., Baykal A., DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.131, no.8, 2016 (Journal Indexed in SCI)
- VI. **Stationary axially symmetric solutions in Brans-Dicke theory**
KİREZLİ P., DELİCE Ö.
PHYSICAL REVIEW D, vol.92, no.10, 2015 (Journal Indexed in SCI)
- VII. **Superradiance instability of small rotating AdS black holes in arbitrary dimensions**
DELİCE Ö., Durgut T.
PHYSICAL REVIEW D, vol.92, no.2, 2015 (Journal Indexed in SCI)

- VIII. **Brans-Dicke-Maxwell solutions for higher dimensional static cylindrical symmetric spacetime**
Ciftci D. K. , DELİCE Ö.
JOURNAL OF MATHEMATICAL PHYSICS, vol.56, no.7, 2015 (Journal Indexed in SCI)
- IX. **Generalized Sparling-Thirring form in the Brans-Dicke theory**
Baykal A., DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL C, vol.75, no.2, 2015 (Journal Indexed in SCI)
- X. **On generalized Einstein-Rosen waves in Brans-Dicke theory**
Akyar L., DELİCE Ö.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.129, no.10, 2014 (Journal Indexed in SCI)
- XI. **Higher dimensional cylindrical or Kasner type electrovacuum solutions**
DELİCE Ö., KİREZLİ P., Ciftci D. K.
GENERAL RELATIVITY AND GRAVITATION, vol.45, no.11, pp.2251-2272, 2013 (Journal Indexed in SCI)
- XII. **Multi-scalar-tensor equivalents for modified gravitational actions**
Baykal A., DELİCE Ö.
PHYSICAL REVIEW D, vol.88, no.8, 2013 (Journal Indexed in SCI)
- XIII. **A unified approach to variational derivatives of modified gravitational actions**
Baykal A., DELİCE Ö.
CLASSICAL AND QUANTUM GRAVITY, vol.28, no.1, 2011 (Journal Indexed in SCI)
- XIV. **Cylindrically symmetric vacuum solutions in higher dimensional Brans-Dicke theory**
Baykal A., Ciftci D. K. , Delice Ö.
JOURNAL OF MATHEMATICAL PHYSICS, vol.51, no.7, 2010 (Journal Indexed in SCI)
- XV. **Cylindrically symmetric Brans-Dicke-Maxwell solutions**
Baykal A., Delice Ö.
GENERAL RELATIVITY AND GRAVITATION, vol.41, no.2, pp.267-285, 2009 (Journal Indexed in SCI)
- XVI. **Superradiant instability of five-dimensional rotating charged AdS black holes**
Aliev A. N. , Delice Ö.
PHYSICAL REVIEW D, vol.79, no.2, 2009 (Journal Indexed in SCI)
- XVII. **Cylindrically symmetric, static strings with a cosmological constant in Brans-Dicke theory**
Delice Ö.
PHYSICAL REVIEW D, vol.74, no.12, 2006 (Journal Indexed in SCI)
- XVIII. **Kasner generalization of Levi-Civita space-time**
Delice Ö.
ACTA PHYSICA POLONICA B, vol.37, no.9, pp.2445-2461, 2006 (Journal Indexed in SCI)
- XIX. **Local cosmic strings in Brans-Dicke theory with a cosmological constant**
Delice Ö.
PHYSICAL REVIEW D, vol.74, no.6, 2006 (Journal Indexed in SCI)
- XX. **Static cylindrical matter shells**
Arik M., Delice Ö.
GENERAL RELATIVITY AND GRAVITATION, vol.37, no.8, pp.1395-1403, 2005 (Journal Indexed in SCI)
- XXI. **Einstein spaces in warped geometries in five dimensions**
Arik M., Baykal A., Calik M., Ciftci D., Delice Ö.
PHYSICAL REVIEW D, vol.68, no.12, 2003 (Journal Indexed in SCI)
- XXII. **Gravitational hedgehog, stringy hedgehog and stringy sphere**
Delice Ö.
JOURNAL OF HIGH ENERGY PHYSICS, no.11, 2003 (Journal Indexed in SCI)
- XXIII. **Trapping photons by a line singularity**
Arik M., Delice Ö.
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.12, no.6, pp.1095-1112, 2003 (Journal Indexed in SCI)
- XXIV. **Multiple photonic shells around a line singularity**
Arik M., Delice Ö.
GENERAL RELATIVITY AND GRAVITATION, vol.35, no.7, pp.1285-1290, 2003 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **KERR NEWMAN TAUB NUT ANTI DE SITTER BLACK HOLE THERMODYNAMICS**
KİREZLİ P., DELİCE Ö.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016
- II. **Some Properties of Magnetized Bonnor-Dihole Solution in Brans-Dicke Theory**
KİREZLİ P., DELİCE Ö.
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- III. **BRANS DICKE SOLUTIONS OF MAGNETIZED KERR NEWMAN BLACK HOLE AND BONNOR DIHOLES**
KİREZLİ P., DELİCE Ö.
Turkish Physical Society 32nd International Physics congress, Muğla, Turkey, 6 - 09 September 2016
- IV. **Static Weyl Type Solutions of The Brans-Dicke Theory**
KİREZLİ P., DELİCE Ö.
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- V. **On the static Weyl type solutions of the Brans Dicke theory**
KİREZLİ P., DELİCE Ö.
9 th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 26 August 2015
- VI. **Einstein Maxwell Solutions of N Dimensional Static Cylindrically Symmetric Space time**
KİREZLİ P., KAZICI D., DELİCE Ö.
XXXth Congress of Turkish Physical Society, 6 - 09 September 2011

Supported Projects

- Delice Ö., Seçuk M. H. , Project Supported by Higher Education Institutions, Topolojik kirlilik içeren uzay-zamanlarda parçacık ve alanların dinamiği, 2018 - 2019
- Dumludağ F., Yahşi U., Altun Z., Aktaş Ş., Esmer K., Tav C., Özdemir M., Akkoyunlu B. O. , Yumak Yahşi A., Alevli M., et al, Project Supported by Higher Education Institutions, İleri Modern Fizik Laboratuvarı (FEN-E-120613-0265), 2013 - 2017
- Delice Ö., Kirezli P., Project Supported by Higher Education Institutions, Alternatif Kütle Çekim Kuramlarının Eksenele Simetrik Çözümleri, 2014 - 2016
- Delice Ö., Durğut T., Project Supported by Higher Education Institutions, Dönen Karadelikler İçin Gri Cisim Katsayıları, 2013 - 2014

Memberships / Tasks in Scientific Organizations

Feza Gürsey Center for Physics and Mathematics, Member, 2015 - Continues

Scientific Refereeing

- CLASSICAL AND QUANTUM GRAVITY, SCI Journal, July 2020
- Classical And Quantum Gravity, SCI Journal, May 2020
- EUROPEAN PHYSICAL JOURNAL C, SCI Journal, September 2019
- CLASSICAL AND QUANTUM GRAVITY, SCI Journal, September 2019
- CLASSICAL AND QUANTUM GRAVITY, SCI Journal, June 2019
- CLASSICAL AND QUANTUM GRAVITY, SCI Journal, April 2018
- CLASSICAL AND QUANTUM GRAVITY, SCI Journal, January 2018
- CLASSICAL AND QUANTUM GRAVITY, SCI Journal, September 2017

TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, November 2015
TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, September 2015
TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, October 2014
TURKISH JOURNAL OF PHYSICS, National Scientific Refreed Journal, December 2013

Citations

Total Citations (WOS):200
h-index (WOS):8

Scholarships

tübitak 2218 domestic post doctoral research fund, TUBITAK, 2007 - 2009