

Assoc. Prof. YUSUF KÜÇÜKAKÇA

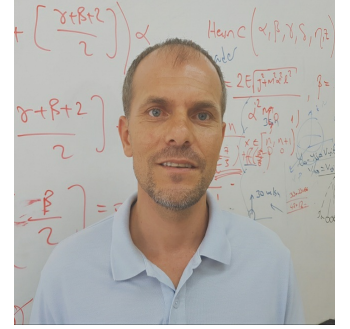


Personal Information

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International Researcher IDs

ORCID: 0000-0002-2921-5414

Publons / Web Of Science ResearcherID: C-3034-2016

Yoksis Researcher ID: 25377

Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik Anabilidalı,
Turkey 2006 - 2010

Postgraduate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik
Anabilidalı, Turkey 2003 - 2006

Undergraduate, Akdeniz University, Faculty Of Science, Department of Physics, Turkey
1999 - 2003

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Bazı uzay-zamanların noether simetrileri, Canakkale Onsekiz Mart University, Fen Bilimleri, Fizik, 2010

Postgraduate, Lagrangianların simetri özellikleri, Canakkale Onsekiz Mart University, Fen Bilimleri, Fizik, 2006

Research Areas

Physics, General Physics, Mathematical Methods in Physics, Relativity and Gravitation, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Akdeniz University, Faculty of Science, Department of Physics, 2018 - Continues

Assistant Professor, Akdeniz University, Faculty of Science, Department of Physics, 2012 - 2018

Courses

Görelilik Kuramı I, Undergraduate, 2023 - 2024, 2021 - 2022
Fizik I Laboratuvarı, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2012 - 2013
Fizikçiler İçin Matematik II, Doctorate, 2022 - 2023
Fizik I (Mekanik), Undergraduate, 2023 - 2024, 2020 - 2021, 2019 - 2020
Klasik Mekanik I, Postgraduate, 2022 - 2023
Fizikçiler İçin Matematik I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2016 - 2017
Fizikçiler İçin Matematik I, Postgraduate, 2022 - 2023, 2021 - 2022, 2016 - 2017
Görelilik Kuramı II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Görelilik Kuantum Mekaniği I, Postgraduate, 2022 - 2023
Fizikçiler İçin Matematik II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2016 - 2017
Klasik Mekanik I, Postgraduate, 2023 - 2024
Kütle Çekim Kuramı I, Postgraduate, 2021 - 2022
Plazma Fiziği I, Postgraduate, 2022 - 2023
Fizikçiler İçin Matematik II, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019
Bitirme Çalışması II, Undergraduate, 2021 - 2022, 2019 - 2020, 2017 - 2018
Fizikçiler İçin Matematik I, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Kozmoloji, Doctorate, 2022 - 2023, 2016 - 2017
Bitirme Çalışması I, Undergraduate, 2021 - 2022, 2020 - 2021
Fizikçiler İçin Matematik II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Fizik II (Elektrik ve Manyetizma), Undergraduate, 2020 - 2021, 2019 - 2020
FİZİK I, Undergraduate, 2019 - 2020, 2010 - 2011
Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019
Fizik II (Şube II), Undergraduate, 2018 - 2019
Fizik II (Şube I), Undergraduate, 2018 - 2019
Fizik II (Şube II), Undergraduate, 2018 - 2019, 2017 - 2018
Fizik II (Şube I), Undergraduate, 2018 - 2019, 2017 - 2018
Danışmanlık, Postgraduate, 2018 - 2019
Fizik I (Şube I), Undergraduate, 2018 - 2019
Fizikçiler İçin Matematik I, Undergraduate, 2018 - 2019
Kütle Çekim Kuramı II, Doctorate, 2017 - 2018
Seminer I, Postgraduate, 2018 - 2019
Fizik I, Undergraduate, 2018 - 2019
Bilimsel Araştırma Teknikleri ve Etik II, Postgraduate, 2017 - 2018
Tireşim ve Dalgalar Laboratuvarı, Undergraduate, 2015 - 2016
Fizik IV (Tireşim ve Dalgalar), Undergraduate, 2015 - 2016
Teorik Mekanik, Undergraduate, 2014 - 2015
Fizik I (Mekanik), Undergraduate, 2014 - 2015
Fizik II (Elektrik ve Manyetizma), Undergraduate, 2014 - 2015
Fizik II Laboratuvarı, Undergraduate, 2012 - 2013
FİZİK II, Undergraduate, 2010 - 2011

Jury Memberships

Doctorate, Doctorate, Akdeniz Üniversitesi, June, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Akdeniz Üniversitesi, January, 2019

Doctorate, Tez Savunma Jürisi, Akdeniz Üniversitesi, June, 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Noether symmetries of $F(T,X,\phi)$ cosmology**
KÜÇÜKAKÇA Y., Akbarieh A. R., Amiri M.
European Physical Journal C, vol.84, no.5, 2024 (SCI-Expanded)
- II. **The teleparallel Dirac–Born–Infeld scalar approach**
Amiri M., Akbarieh A. R., KÜÇÜKAKÇA Y., Haghghat M.
International Journal of Geometric Methods in Modern Physics, 2024 (SCI-Expanded)
- III. **Noether symmetries of tachyonic teleparallel cosmology with boundary term**
Akbarieh A. R., Ilkhchi P. S., Kucukakca Y.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.20, no.06, 2023 (SCI-Expanded)
- IV. **Hawking radiation of Euler–Heisenberg–adS black hole under the GUP effect**
Dernek M., Tekincay C., Gecim G., Kucukakca Y., Sucu Y.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.138, no.4, 2023 (SCI-Expanded)
- V. **Exact solutions in teleparallel dark energy model**
Küçükakça Y., Akbarieh A. R., Ashrafi S.
CHINESE JOURNAL OF PHYSICS, vol.82, pp.47-61, 2023 (SCI-Expanded)
- VI. **Noether symmetries of Einstein-aether scalar field cosmology**
Küçükakça Y., Akbarieh A. R.
EUROPEAN PHYSICAL JOURNAL C, vol.80, no.11, 2020 (SCI-Expanded)
- VII. **Interacting phantom cosmology via Noether symmetry approach**
Küçükakça Y.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.17, no.12, 2020 (SCI-Expanded)
- VIII. **Scalar-tensor teleparallel gravity with boundary term by Noether symmetries**
Gecim G., KÜÇÜKAKÇA Y.
INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS, vol.15, no.9, 2018 (SCI-Expanded)
- IX. **Anisotropic solution in phantom cosmology via Noether symmetry approach**
Oz I. B., KÜÇÜKAKÇA Y., ÜNAL N.
CANADIAN JOURNAL OF PHYSICS, vol.96, no.7, pp.677-680, 2018 (SCI-Expanded)
- X. **Anisotropic solution via Noether symmetry for $f(R)$ Palatini gravity**
KÜÇÜKAKÇA Y.
ASTROPHYSICS AND SPACE SCIENCE, vol.361, no.2, 2016 (SCI-Expanded)
- XI. **Noether Gauge Symmetry of Dirac Field in $(2+1)$ -Dimensional Gravity**
Gecim G., KÜÇÜKAKÇA Y., SUCU Y.
ADVANCES IN HIGH ENERGY PHYSICS, vol.2015, 2015 (SCI-Expanded)
- XII. **Teleparallel dark energy model with a fermionic field via Noether symmetry**
Kucukakca Y.
EUROPEAN PHYSICAL JOURNAL C, vol.74, no.10, 2014 (SCI-Expanded)
- XIII. **Shadow of Kerr-Taub-NUT black hole**
ABDUJABBAROV A., Atamurotov F., KUCUKAKCA Y., AHMEDOV B., Camci U.
ASTROPHYSICS AND SPACE SCIENCE, vol.344, no.2, pp.429-435, 2013 (SCI-Expanded)
- XIV. **Scalar tensor teleparallel dark gravity via Noether symmetry**
Kucukakca Y.
EUROPEAN PHYSICAL JOURNAL C, vol.73, no.2, 2013 (SCI-Expanded)
- XV. **LRS Bianchi type I universes exhibiting Noether symmetry in the scalar-tensor Brans-Dicke theory**
KUCUKAKCA Y., Camci U., Semiz I.
GENERAL RELATIVITY AND GRAVITATION, vol.44, no.8, pp.1893-1917, 2012 (SCI-Expanded)
- XVI. **Noether gauge symmetry for $f(R)$ gravity in Palatini formalism**
KUCUKAKCA Y., Camci U.
ASTROPHYSICS AND SPACE SCIENCE, vol.338, no.1, pp.211-216, 2012 (SCI-Expanded)
- XVII. **Curvature and Weyl collineations of Bianchi type V spacetimes**
Camci U., HUSSAIN I., Kucukakca Y.

JOURNAL OF GEOMETRY AND PHYSICS, vol.59, no.11, pp.1476-1484, 2009 (SCI-Expanded)

XVIII. Noether symmetries of Bianchi I, Bianchi III, and Kantowski-Sachs spacetimes in scalar-coupled gravity theories

Camci U., KUCUKAKCA Y.

PHYSICAL REVIEW D, vol.76, no.8, 2007 (SCI-Expanded)

Articles Published in Other Journals

I. Noether symmetry analysis of anisotropic universe in $f(T, B)$ gravity

Küçükakça Y.

TURKISH JOURNAL OF PHYSICS, vol.42, no.4, pp.386-401, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. BIANCHI TYPE I COSMOLOGICAL MODEL IN THE SCALAR FIELD THEORY

KÜÇÜKAKÇA Y., Basaran Oz I.

Turkish Physical Society 34 th International Physics Congresses, 5 - 09 September 2018, pp.197

II. Skaler Alan içeren Gravitasyonel Teorisinde Noether Simetrik Çözümler

KÜÇÜKAKÇA Y., BAŞARAN ÖZ I.

ADIM Fizik Günleri VII, Aydın, Turkey, 23 May - 25 August 2018, pp.42

III. ANISOTROPIC SOLUTION IN PHANTOM COSMOLOGY VIA NOETHER SYMMETRY APPROACH

Basaran Oz I., KÜÇÜKAKÇA Y.

Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.7

IV. Noether gauge symmetries of some Bianchi type spacetimes in $f(R)$ gravity within Palatini approach

CAMCI U., KÜÇÜKAKÇA Y.

SDEA Conference University of the Witwatersrand School of Computational and Applied Mathematics,

Johannesburg, South Africa, 24 - 27 January 2012, pp.33

V. Noether symmetries of Bianchi type I space-times in $f(R)$ gravity

KÜÇÜKAKÇA Y., CAMCI U.

13th Regional Conference on Mathematical Physics, Antalya, Turkey, 27 - 31 October 2010, pp.2

VI. Bianchi Tip Uzay Zamanların Madde ve Eğrilik Simetrisi Arasındaki İlişkiler

Yücel N., CAMCI U., KÜÇÜKAKÇA Y.

TFD 26.Uluslararası Fizik Kongresi, Muğla, Turkey, 29 August - 03 September 2009, pp.100

VII. BIANCHI TIP II UZAY ZAMANININ EĞRİLİK SİMETRİLERİ

Yücel N., CAMCI U., KÜÇÜKAKÇA Y.

TFD 25.Uluslararası Fizik Kongresi, Muğla, Turkey, 25 - 29 September 2008, pp.100

VIII. Curvature Collineations of Some Static Spherically Symmetric Spacetimes

Başer M., Camci U., Yücel N., Küçükakça Y.

24th. International Physics Congress, Malatya, Turkey, 28 - 31 August 2007, pp.226

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, May 2021

Modern Physics Letter A, SCI Journal, July 2019

Project Supported by Higher Education Institutions, BAP PhD, Akdeniz University, Turkey, October 2017

Gravitation Cosmology, SCI Journal, May 2017

Metrics

Publication: 27

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Citation (Scopus): 492

H-Index (WoS): 10

H-Index (Scopus): 10