

Assoc. Prof. YUSUF KÜÇÜKAKÇA

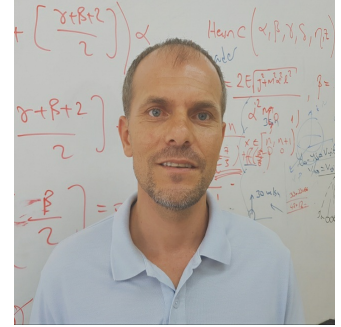


Personal Information

Email: ykucukakca@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/ykucukakca>

Address: Akdeniz Üniversitesi Fen Fakültesi Fizik Bölümü Dumlupınar Bulvarı 07058
Kampus Antalya / TÜRKİYE



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

Doctorate

Fizikçiler İçin Matematik II, Doctorate, 2022 - 2023

Fizikçiler İçin Matematik II, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019

Kozmoloji, Doctorate, 2022 - 2023, 2016 - 2017

Kütle Çekim Kuramı II, Doctorate, 2017 - 2018

Postgraduate

Klasik Mekanik I , Postgraduate, 2022 - 2023

Fizikçiler İçin Matematik I, Postgraduate, 2022 - 2023, 2021 - 2022, 2016 - 2017

Görelilik Kuantum Mekaniği I , Postgraduate, 2022 - 2023

Klasik Mekanik I , Postgraduate, 2023 - 2024

Kütle Çekim Kuramı I , Postgraduate, 2021 - 2022

Plazma Fiziği I , Postgraduate, 2022 - 2023

Fizikçiler İçin Matematik I, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019

Danışmanlık, Postgraduate, 2018 - 2019

Seminer I, Postgraduate, 2018 - 2019

Bilimsel Araştırma Teknikleri ve Etik II, Postgraduate, 2017 - 2018

Undergraduate

Görelilik Kuramı I, Undergraduate, 2023 - 2024, 2021 - 2022

Fizik I Laboratuvarı, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2012 - 2013

Fizik I (Mekanik), Undergraduate, 2023 - 2024, 2020 - 2021, 2019 - 2020

Fizikçiler İçin Matematik I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2016 - 2017

Görelilik Kuramı II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Fizikçiler İçin Matematik II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2016 - 2017

Bitirme Çalışması II, Undergraduate, 2021 - 2022, 2019 - 2020, 2017 - 2018

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

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

Fizik I (Şube I), Undergraduate, 2018 - 2019

Fizikçiler İçin Matematik I, Undergraduate, 2018 - 2019

Fizik I, Undergraduate, 2018 - 2019

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

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., Haghightat 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)

Papers Published in Refereed Scientific Meetings

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

Peer Reviews in Scientific Publications

Modern Physics Letter A, SCI Journal, July 2019

Gravitation Cosmology, SCI Journal, May 2017

Scientific Project Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, May 2021

Project Supported by Higher Education Institutions, BAP PhD, October 2017

Metrics

Publication: 27

Citation (WoS): 501

Citation (Scopus): 492

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H-Index (Scopus): 10