

AYKUT ÖZDÖNMEZ

ASSOC. PROF.

Email : aykut.ozdonmez@atauni.edu.tr

Office Phone : [+90 442 231 4182](tel:+904422314182)

Address : Atatürk Üniversitesi, Fen Fakültesi, Astronomi ve Uzay Bilimleri Bölümü

International Researcher IDs

ScholarID: RgnqmGAAAAAJ

ORCID: 0000-0003-1399-5804

Publons / Web Of Science ResearcherID: E-8307-2019

ScopusID: 56368196400

Yoksis Researcher ID: 322017

Education

Doctorate

2013 - 2018

Istanbul University, Fen Bilimleri, Astronomi Ve Uzay Bilimleri, Turkey

Postgraduate

2011 - 2013

Istanbul University, Fen Bilimleri, Astronomi Ve Uzay Bilimleri, Turkey

Undergraduate

2005 - 2010

Istanbul University, Faculty Of Science, Astronomi Ve Uzay Bilimleri, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Galaktik novaların yeni bir uzaklık tayin yöntemi ile incelenmesi, İstanbul Üniversitesi, Fen Bilimleri, Astronomi Ve Uzay Bilimleri, 2018

Postgraduate, Kataklismik Değişenlerin Galaktik Model Parametreleri, İstanbul Üniversitesi, Fen Bilimleri, Astronomi Ve Uzay Bilimleri, 2013

Academic Titles / Tasks

Assistant Professor

2019 - Continues

Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri

Supported Projects

1. KIRAN E., NASIROĞLU İ., ÖZDÖNMEZ A., YEŞİLYAPRAK C., ER H., DERVİŞOĞLU A., Project Supported by Higher Education Institutions, Ayrık ve Yarı Ayrık Örten Çift Yıldız Sistemleri ve Yaşaabilen Bölgeler, 2023 - Continues

2. NASIROĞLU İ., DERVİŞOĞLU A., ÖZDÖNMEZ A., YEŞİLYAPRAK C., ER H., Project Supported by Higher Education Institutions, Atatürk Üniversitesi Yıldız ve Ötegezegen Sistemleri Araştırma Programı (ATAÜNİ YÖGAP), 2022 - 2025
3. Özgünmez A., Nasiroğlu İ., Agarwal A., TUBITAK Project, Investigation of frequency and time-dependent optical variability of BL Lac type blazars on diverse timescales., 2022 - 2025
4. Yeşilyaprak C., Özgünmez A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, DOĞU ANADOLU GÖZLEMEVİ (DAG) PROJESİ, 2012 - 2025
5. Özgünmez A., Er H., Project Supported by Higher Education Institutions, Eğlenerek Astronomi Öğreniyorum, 2022 - 2023
6. Yeşilyaprak C., Özgünmez A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, DAG ODAK DÜZLEMİ AYGITLARI VE ADAPTİF OPTİK SİSTEMİ (ODA), 2016 - 2023
7. Özgünmez A., Project Supported by Higher Education Institutions, Gökyüzü Engel Tanımaz, 2021 - 2022
8. Özgünmez A., Project Supported by Higher Education Institutions, Evrenimizi ne kadar tanıyoruz?, 2021 - 2022
9. Özgünmez A., Project Supported by Higher Education Institutions, Geçmiş Günümüz Yönlendirir, 2021 - 2022
10. ÖZDÖNMEZ A., ER H., NASIROĞLU İ., POLATOĞLU A., EGE E., Project Supported by Higher Education Institutions, Seçilmiş bazı AGC'lerin kısa ve orta-uzun vadeli değişimlerinin incelenmesi, 2020 - 2022
11. Ak T., Bilir S., Özgünmez A., Canbay R., Project Supported by Higher Education Institutions, Kataklısmik Değişenlerin Galaktik Kinematiği: Gaia Verilerinin Etkisi, 2019 - 2021
12. ÖZDÖNMEZ A., KARAMAN N., SÖNMEZ E. Z., ER H., POLATOĞLU A., Project Supported by Higher Education Institutions, Gelenekten Geleceğe İslam Astronomisi, 2019 - 2020
13. Özgünmez A., Özdemir S., TUBITAK Project, Novalar Ve Nova Adaylarının Fotometrik Ve Tayfsal Evrimlerinin Takibi, 2019 - 2019
14. Özgünmez A., Güver T., Ak T., TUBITAK Project, Galaktik Novaların Uzaklıkları, 2014 - 2016
15. Bilir S., Ak T., TUBITAK Project, Kataklısmik Değişenlerin Galaktik Model Parametreleri, 2013 - 2014
16. Soydugan F., Bilir S., Ak T., Soydugan E., Püsküllü Ç., Eker Z., TUBITAK Project, Çift Yıldızların Açısal Momentum ve Yörünge Evrimi, 2011 - 2014

Scholarships

2218-Yurt İçi Doktora Sonrası Araştırma Burs Programı, TUBITAK, 2019 - 2019

2211-C Öncelikli Alanlara Yönelik Yurt İçi Doktora Burs Programı, TUBITAK, 2015 - 2018

Jury Memberships

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2023

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, February, 2023

Post Graduate, Post Graduate, Atatürk Üniversitesi, July, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Characterizing Multiband Optical Emission and Variability of 1ES 1215+303 on Diverse Timescales**
Ozgunmez A., Er H., Tekkesinoglu M., Ege E., Kenger M. E., Ozkesen I. C., Polatoğlu A.
ASTROPHYSICAL JOURNAL, vol.979, no.1, 2025 (SCI-Expanded)
2. **Multi-band optical variability on diverse timescales of blazar 1E 1458.8+2249**
ÖZDÖNMEZ A., Tekkesinoglu M.
Publications of the Astronomical Society of Australia, vol.41, 2024 (SCI-Expanded)
3. **Investigating Optical Variability of the Blazar S5 0716+714 on Diverse Timescales**

- Ege E., Ozdoenmez A., Agarwal A., Ak T.
 ASTROPHYSICAL JOURNAL, vol.971, no.1, 2024 (SCI-Expanded)
4. **Orbital Period Variation Analysis of the HS 0705+6700 Post-Common Envelope Binary**
 Er H., Özgünmez A., Nasiroğlu İ., Kenger M. E.
 Publications of the Astronomical Society of Australia, vol.41, 2024 (SCI-Expanded)
 5. **Investigation on transit observations of the WASP-10 and WASP-11 systems**
 ER H., KARAMAN N., ÖZDÖNMEZ A., NASIROĞLU İ., GÜRBULAK B.
 NEW ASTRONOMY, vol.107, 2024 (SCI-Expanded)
 6. **Optical identification and follow-up observations of SRGA J213151.5+491400: A new magnetic cataclysmic variable discovered with the SRG observatory**
 BALMAN Ş., Khamitov I., Kolbin A., Çalışkan E. A., Bikmaev I., ÖZDÖNMEZ A., Burenin R., KILIÇ Y., ESENOĞLU H. H., Yelkenci K., et al.
 Astronomy and Astrophysics, vol.684, 2024 (SCI-Expanded)
 7. **Investigation on the orbital period variations of NN Ser: implications for the hypothetical planets, the Applegate mechanism, and the orbital stability**
 Özgünmez A., Er H., Nasiroğlu İ.
 Monthly Notices of the Royal Astronomical Society, vol.526, no.3, pp.4725-4734, 2023 (SCI-Expanded)
 8. **Multiwavelength study of TeV blazar 1ES 1218+304 using gamma-ray, X-ray and optical observations**
 Diwan R., Prince R., Agarwal A., Bose D., Majumdar P., ÖZDÖNMEZ A., Chandra S., Khatoon R., EGE E.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.524, no.3, pp.4333-4345, 2023 (SCI-Expanded)
 9. **Analysis of the Intranight Variability of BL Lacertae during Its 2020 August Flare**
 Agarwal A., Mihov B., Agrawal V., Zola S., ÖZDÖNMEZ A., EGE E., Slavcheva-Mihova L., Reichart D., Caton D., Das A. K.
 ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.265, no.2, 2023 (SCI-Expanded)
 10. **Galactic Model Parameters and Spatial Density of Cataclysmic Variables in the Gaia Era: New Constraints on Population Models**
 Canbay R., Bilir S., Özgünmez A., Ak T.
 ASTRONOMICAL JOURNAL, vol.165, no.4, pp.163-179, 2023 (SCI-Expanded)
 11. **Characterizing the Optical Nature of the Blazar S5 1803+784 during Its 2020 Flare**
 Agarwal A., Pandey A., ÖZDÖNMEZ A., Ege E., Das A. K., Karakulak V.
 ASTROPHYSICAL JOURNAL, vol.933, no.1, 2022 (SCI-Expanded)
 12. **Optical flux and spectral characterization of the blazar PG 1553+113 based on the past 15 years of data**
 Agarwal A., Mihov B., Andruhov I., Cellone S. A., Anupama G. C., Agrawal V., Zola S., ÖZDÖNMEZ A., Ege E.
 JOURNAL OF ASTROPHYSICS AND ASTRONOMY, vol.43, no.1, 2022 (SCI-Expanded)
 13. **Multiwavelength temporal and spectral analysis of Blazar S5 1803+78**
 Priya S., Prince R., Agarwal A., Bose D., ÖZDÖNMEZ A., Ege E.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.513, no.2, pp.2239-2251, 2022 (SCI-Expanded)
 14. **Probing Transit Timing Variations of three hot Jupiters: HATP-36b, HATP-56b, and WASP-52b**
 Sonbas E., Karaman N., Özgünmez A., Er H., Dhuga K. S., Gogus E., Nasiroğlu İ., Zejmo M.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.509, no.4, pp.5102-5116, 2022 (SCI-Expanded)
 15. **New observations of the eclipsing binary system NY Vir and its candidate circumbinary planets**
 Er H., Özgünmez A., Nasiroğlu İ.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.507, no.1, pp.809-817, 2021 (SCI-Expanded)
 16. **Multi-band behaviour of the TeV blazar PG 1553+113 in optical range on diverse timescales: Flux and spectral variations**
 Agarwal A., Mihov B., Andruhov I., Cellone S., Anupama G., Agrawal V., Zola S., Slavcheva-Mihova L., ÖZDÖNMEZ A., EGE E., et al.
 Astronomy and Astrophysics, vol.645, 2021 (SCI-Expanded)
 17. **Multiband optical variability of 3C 279 on diverse time-scales**
 Agarwal A., Cellone S. A., Andruhov I., Mammana L., Singh M., Anupama G. C., Mihov B., Raj A., Slavcheva-Mihova L.,

- Ozdonmez A., et al.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.488, pp.4093-4105, 2019 (SCI-Expanded)
18. **A new catalogue of Galactic novae: Investigation of the MMRD relation and spatial distribution**
 Ozdonmez A., Ege E., Guver T., Ak T.
 Monthly Notices of the Royal Astronomical Society, vol.476, pp.4162-4186, 2018 (SCI-Expanded)
19. **The distances of the Galactic novae**
 Ozdonmez A., Guver T., Cabrera-Lavers A., Ak T.
 Monthly Notices of the Royal Astronomical Society, vol.461, pp.1177-1201, 2016 (SCI-Expanded)
20. **The Galactic kinematics of cataclysmic variables**
 Ak T., Bilir S., Ozdonmez A., Soydugan F., Soydugan E., Püsküllü Ç., Ak S., Eker Z.
 Astrophysics and Space Science, vol.357, pp.1-14, 2015 (SCI-Expanded)
21. **Ground-based transit observations of the HAT-P-18, HAT-P-19, HAT-P-27/WASP40 and WASP-21 systems**
 Seeliger M., Kitze M., Errmann R., Richter S., Ohlert J. M., Chen W. P., Guo J. K., Gogus E., Guver T., Aydin B., et al.
 Monthly Notices of the Royal Astronomical Society, vol.451, pp.4060-4072, 2015 (SCI-Expanded)
22. **Galactic model parameters of cataclysmic variables: Results from a new absolute magnitude calibration with 2MASS and WISE**
 Ozdonmez A., Ak T., Bilir S.
 New Astronomy, vol.34, pp.234-244, 2015 (SCI-Expanded)

Articles Published in Other Journals

1. **Multi-Band Optical Variability of Blazar 1ES 2344+514 on Diverse Time-Scales**
 ÖZDÖNMEZ A.
 Journal of advanced research in natural and applied sciences (Online), vol.10, no.3, pp.684-701, 2024 (Peer-Reviewed Journal)
2. **Short-term optical variability of 4C 29.45**
 ÖZDÖNMEZ A.
 TURKISH JOURNAL OF PHYSICS, vol.47, no.3, pp.124-140, 2023 (ESCI)
3. **Applications of Coronagraph in Astronomy**
 Gürbulak B. B., Nasiroğlu İ., Özgünmez A., Er H.
 JOURNAL OF ANATOLIAN PHYSICS AND ASTRONOMY, vol.1, no.1, pp.31-34, 2021 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

1. **Multiwavelength Properties of BL Lac Objects**
 EGE E., ÖZDÖNMEZ A.
 22. Ulusal Astronomi Kongresi, İzmir, Turkey, 6 - 08 September 2022, vol.4
2. **Kataklismik Değişenlerin Gaia EDR3 Verilerinden Galaktik Model Parametreleri ve Uzay Yoğunlıklarının Tayini**
 Canbay R., BİLİR S., ÖZDÖNMEZ A., AK T.
 22. Ulusal Astronomi Kongresi, İzmir, Turkey, 6 - 08 September 2022, vol.4, pp.372-376
3. **OPTICAL OBSERVATIONS OF BLAZARS ON DIVERSE TIMESCALES**
 ÖZDÖNMEZ A.
 1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS-2021), Erzurum, Turkey, 10 - 12 September 2021
4. **THE PLACE OF THE CORONAGRAPH ON EXOPLANETS**
 Gürbulak B. B., NASIROĞLU İ., ÖZDÖNMEZ A., ER H.
 1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Erzurum, Turkey, 10 September 2021

5. **Gaia Çağında Bilinen Kataklismik Değişenlerin Galaksimizdeki Dağılımları ve HR diyagramındaki Konumları**
Canbay R., AK T., BİLİR S., ÖZDÖNMEZ A.
Galaktik Astronomi Çalıştayı, İstanbul, Turkey, 12 September 2019
6. **Kataklismik Değişenlerin Kinematiği**
ÖZDÖNMEZ A., BİLİR S., AK T., SOYDUGAN F., SOYDUGAN E., PÜSKÜLLÜ Ç., AK S., EKER Z.
19. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015
7. **Kataklismik Değişen Yıldızlar İçin Yeni Bir Uzaklık Kalibrasyonu**
ÖZDÖNMEZ A., BİLİR S., Ak T.
XVIII Ulusal Astronomi ve Uzay Bilimleri Kongresi, Malatya, Turkey, 27 August - 01 September 2012, pp.461-464

Academic and Administrative Experience

	Member of Unit	
2021 - Continues	Strategic Planning Commission	Ataturk University, Fen Fakültesi, -
2021 - Continues	Uluslararasılaşma ve Dijitalleşme Birim Komisyonu Üyesi	Ataturk University, Fen Fakültesi, -
2021 - Continues	Curriculum Preparation Committee Member	Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2021 - Continues	Exam Program Preparation Commission Member	Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2021 - Continues	Promotion and Alumni Relations Commission	Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2021 - Continues	Strategic Planning Commission	Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2021 - Continues	Quality Commission	Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2020 - Continues	Department Academic Incentive Evaluation Commission Member	Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2020 - Continues	Farabi Program Department Coordinator	Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2020 - Continues	Bölüm Uzaktan Eğitim Sorumlusu	Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2020 - Continues	Birim Uzaktan Eğitim Destek Sorumlusu	Ataturk University, Fen Bilimleri Enstitüsü, Astronomi ve Astrofizik Anabilim Dalı

Courses

Doctorate

Galaktik Astronomi, Doctorate, 2023 - 2024, 2022 - 2023

Aktif Galaksi Çekirdekleri, Doctorate, 2023 - 2024, 2022 - 2023

Postgraduate

Programlama Dili II, Postgraduate, 2023 - 2024, 2022 - 2023

Astronomide Modelleme Yöntemleri, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Astronomide Metodoloji, Postgraduate, 2023 - 2024, 2022 - 2023

Programlama Dili I, Postgraduate, 2023 - 2024, 2022 - 2023

Astronomide Tayf Ölçüm ve Analizi, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

İleri Astrofizik I, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Undergraduate

Bilgisayar Programlama II, Undergraduate, 2023 - 2024, 2022 - 2023

Yıldız Kümeleri ve Oymakları, Undergraduate, 2023 - 2024, 2022 - 2023

Bitirme Projesi II, Undergraduate, 2023 - 2024

Bilgisayar Programlama I, Undergraduate, 2023 - 2024, 2022 - 2023

Yazılımsal Astronomi I, Undergraduate, 2023 - 2024, 2022 - 2023

Bitirme Projesi I, Undergraduate, 2023 - 2024

Yazılımsal Astronomi II, Undergraduate, 2021 - 2022

Bilgisayar II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Astrofizik I, Undergraduate, 2021 - 2022

Yazılımsal Astronomi I, Undergraduate, 2021 - 2022

Yazılım, Undergraduate, 2021 - 2022, 2020 - 2021

Bilgisayar I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Astrofizik II, Undergraduate, 2020 - 2021

Gözlemsel Astronomi, Undergraduate, 2020 - 2021

Yıldız Ortam ve Gökadalar, Undergraduate, 2020 - 2021

Veri Analizi, Undergraduate, 2020 - 2021

Optik Dalgalar ve Laboratuvarı, Undergraduate, 2019 - 2020

Supervised Theses

Özdönmez A., SEÇİLMİŞ ÇIFT YILDIZ SİSTEMLERİNDEKİ VARSAYIMSAL ÖTEGEZENLERİN YÖRÜNGE KARARLIKLARI, Postgraduate, M.EMİR(Student), Continues

Özdönmez A., 1E 1458.8+2249 ve 3C 66A blazarların çok bantlı değişkenliği, Postgraduate, M.TEKKEŞİNOĞLU(Student), Continues

Özdönmez A., S5 1803+784 Blazaron Optik Değişimlerinin İncelenmesi, Postgraduate, V.Karakulak(Student), 2022

Activities in Scientific Journals

Journal of Anatolian Physics & Astronomy, Assistant Editor/Section Editor, 2020 - Continues

Memberships / Tasks in Scientific Organizations

Türk Astronomi Derneği, Member, 2019 - Continues, Turkey

Peer Reviews in Scientific Publications

JOURNAL OF ADVANCED RESEARCH IN NATURAL AND APPLIED SCIENCES (ONLINE), National Scientific Refreed Journal, January 2022
ASTROPHYSICAL JOURNAL, SCI Journal, February 2021

Scientific Project Refereeing

TUBITAK Project, 1071-Uluslararası Araştırma Fonlarından Yararlanma Kapasitesinin ve Uluslararası Ar-Ge İşbirliklerine Katılımın Arttırılmasına Yönelik Destek Programı , March 2024
TUBITAK Project, 1002 - Quick Support Program, January 2024
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2023

Tasks In Event Organizations

Kıran E., ÖZDÖNMEZ A., ER H., Astronomi ve Uzay Bilimleri Lisansüstü Öğrenci Çalıştayı, Workshop Organization, Turkey, Ocak 2024
Kıran E., Özgünmeze A., ER H., Astronomi ve Uzay Bilimleri Lisans Öğrenci Çalıştayı, Workshop Organization, Turkey, Aralık 2023
Bayraklı Yurtcan A., TUYSUZ E., TORAMAN E., AKBULUT S., GÜROL A., ÖZAKIN O., ÖZDÖNMEZ A., ER H., 1st International Congress on Natural Sciences, Scientific Congress, Erzurum, Turkey, Eylül 2021
Şişman T., Bayraklı Yurtcan A., Tuysuz E., Akbulut S., Gürol A., Özgünmeze A., ER H., 1st International Symposium on Recent Advances in Fundamental and Applied Sciences , Scientific Congress, Erzurum, Turkey, Eylül 2021

Scientific Research / Working Group Memberships

Tug-Srg, Tübitak Ulusal Gözlemevi, Turkey, <http://tug.tubitak.gov.tr/>, 2016 - Continues

Metrics

Publication: 32
Citation (WoS): 136
Citation (Scopus): 189
H-Index (WoS): 7
H-Index (Scopus): 8

Congress and Symposium Activities

The 4th Azarquiel School of Astronomy: a Bridge between East and West, Working Group, Syracuse, Italy, 2017
XIX. Ulusal Astronomi Kongresi, Working Group, Ankara, Turkey, 2015
Küçük Teleskoplarla Bilim Sempozyumu, Working Group, İstanbul, Turkey, 2013
XVIII. Ulusal Astronomi Kongresi, Working Group, Malatya, Turkey, 2012
Hakki Ögelman Fizik Yaz Okulu, Working Group, İstanbul, Turkey, 2012
Türkiye'deki Teleskoplar ile Bilim Sempozyumu, Working Group, İstanbul, Turkey, 2012

Research Areas

Astronomy and Astrophysics, Astronomy and Astrophysics: Instrumentation Techniques and Observations, Star Systems, Interstellar Medium, The Galaxy, Galactic and Extragalactic Objects and Systems, Cosmology, Stars

Non Academic Experience

TÜBİTAK, Doktora Sonrası Araştırmacı