

Assoc. Prof. Ahmet DERVİŞOĞLU



Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABB-3428-2020

Yoksis Researcher ID: 117571

Education Information

2005 - 2010	Doctorate, Ege University, Fen Bilimleri Enstitüsü, Astronomi ve Uzay Bilimleri, Turkey
2003 - 2005	Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Astronomi ve Uzay Bilimleri, Turkey
2000 - 2003	Undergraduate Double Major, Istanbul University, Faculty Of Science, Department Of Physics, Turkey
1999 - 2003	Undergraduate, Istanbul University, Faculty Of Science, Astronomy And Space Sciences, Turkey

Research Areas

Astronomy and Astrophysics

Academic Titles / Tasks

2022 - Continues	Associate Professor, Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri
2020 - 2022	Associate Professor, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri
2012 - 2020	Assistant Professor, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri
2017 - 2019	Associate Professor, Zagreb Üniversitesi, Faculty of Sciences, Physics
2010 - 2012	Researcher, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri Bölümü
2007 - 2008	Researcher, University of Cambridge, Institute of Astronomy

Academic and Administrative Experience

2021 - 2022	Head of Department, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri
2021 - 2022	Head of Department, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri
2021 - 2022	Manager of Research and Application Center, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri
2017 - 2022	Applied Research Center Board Member, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri
2019 - 2020	Assistant Manager of Research and Application Center, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri
2016 - 2020	Teknik Kurul Üyesi, Diğer (Kurumlar, hastaneler Vb.), Tübitak, Ulusal Gözlemevi
2016 - 2018	Head of Department, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri

Courses

2021 - 2022	Astrofizik II, Undergraduate
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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **PRECISE MEASUREMENT OF ORBITAL AND PHYSICAL PARAMETERS OF BRIGHT DETACHED SOLAR ANALOG ECLIPSING BINARIES**
Çakırlı Ö., Hoyman B., Bulut S., Dervişoğlu A., Kayhan C.
REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, vol.58, no.1, pp.3-21, 2022 (SCI-Expanded)
- II. **Dynamical parallax, physical parameters, and evolutionary status of the components of the bright eclipsing binary alpha Draconis**
Pavlovski K., Hummel C. A., Tkachenko A., Dervisoglu A., Kayhan C., Zavala R. T., Hutter D. J., Tycner C., ŞAHİN T., Audenaert J., et al.
ASTRONOMY & ASTROPHYSICS, vol.658, 2022 (SCI-Expanded)
- III. **Twin stars as tracers of binary evolution in the Kepler era**
Bulut S., Hoyman B., DERVİŞOĞLU A., ÖZDARCAN O., ÇAKIRLI Ö.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.503, no.1, pp.1036-1050, 2021 (SCI-Expanded)
- IV. **Spectroscopic long-term monitoring of RZCas I. Basic stellar and system parameters**
Lehmann H., Dervisoglu A., Mkrтчian D. E., Pertermann F., Tkachenko A., Tsymbal V.
ASTRONOMY & ASTROPHYSICS, vol.644, 2020 (SCI-Expanded)
- V. **High Resolution Optical Spectroscopy of a B-type Abundance Standard Candidate in Ori OB1-HD 35039**
ŞAHİN T., DERVİŞOĞLU A.
ASTRONOMY LETTERS-A JOURNAL OF ASTRONOMY AND SPACE ASTROPHYSICS, vol.45, no.8, pp.528-545, 2019 (SCI-Expanded)
- VI. **Analysis of a detached eclipsing binary at near the turnoff point of the open cluster NGC 6791 in Kepler field**
Hoyman B., ÖZDARCAN O., DERVİŞOĞLU A., YONTAN T., ÇAKIRLI Ö.
NEW ASTRONOMY, vol.68, pp.10-19, 2019 (SCI-Expanded)
- VII. **Evidence for conservative mass transfer in the classical Algol system delta Librae from its surface carbon-to-nitrogen abundance ratio**
DERVİŞOĞLU A., Pavlovski K., Lehmann H., Southworth J., Bewsher D.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.481, no.4, pp.5660-5674, 2018 (SCI-Expanded)
- VIII. **The Dynamical Mass and Evolutionary Status of the Type II Cepheid in the Eclipsing Binary System OGLE-LMC-T2CEP-211 with a Double-ring Disk**
Pilecki B., DERVİŞOĞLU A., Gieren W., Smolec R., Soszynski I., Pietrzynski G., Thompson I. B., Taormina M.
ASTROPHYSICAL JOURNAL, vol.868, no.1, 2018 (SCI-Expanded)
- IX. **Tracing CNO exposed layers in the Algol-type binary system u Her**
Kolbas V., DERVİŞOĞLU A., Pavlovski K., Southworth J.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.444, no.4, pp.3118-3129, 2014 (SCI-Expanded)
- X. **Absolute properties of the neglected eclipsing B-type binary HD 194495**
ÇAKIRLI Ö., DERVİŞOĞLU A., SİPAHİ E., İbanoglu C.
NEW ASTRONOMY, vol.17, no.2, pp.215-220, 2012 (SCI-Expanded)
- XI. **Carbon deficiencies in the primaries of some classical Algols**
İbanoglu C., DERVİŞOĞLU A., ÇAKIRLI Ö., SİPAHİ E., YÜCE K.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.419, no.2, pp.1472-1479, 2012 (SCI-Expanded)
- XII. **V1898 CYGNI: AN INTERACTING ECLIPSING BINARY IN THE VICINITY OF NORTH AMERICA NEBULA**
DERVİŞOĞLU A., ÇAKIRLI Ö., İbanoglu C., SİPAHİ E.
REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, vol.47, no.2, pp.297-307, 2011 (SCI-Expanded)
- XIII. **THE ABSOLUTE PARAMETERS FOR NSVS 11868841 AND THE OVERSIZED STARS IN LOW-MASS ECLIPSING BINARIES**
ÇAKIRLI Ö., İbanoglu C., DERVİŞOĞLU A.

- REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, vol.46, no.2, pp.355-365, 2010 (SCI-Expanded)
- XIV. **Spin angular momentum evolution of the long-period Algols**
DERVİŞOĞLU A., Tout C. A., Ibanoglu C.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.406, no.2, pp.1071-1083, 2010 (SCI-Expanded)
- XV. **Is NP Aqr a new near-contact binary?**
Ibanoglu C., ÇAKIRLI Ö., DERVİŞOĞLU A.
NEW ASTRONOMY, vol.15, no.4, pp.373-379, 2010 (SCI-Expanded)
- XVI. **Angular momentum evolution of Algol binaries**
Ibanoglu C., Soydugan F., Soydugan E., DERVİŞOĞLU A.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.373, no.1, pp.435-448, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Tayfsal Ayırma Yöntemlerinde MCMC Optimizasyonunun Kullanımı**
Barbaros E., Dervişoğlu A.
Turkish Journal of Astronomy and Astrophysics, vol.4, no.3, pp.323-327, 2023 (Peer-Reviewed Journal)
- II. **NGC 436 Açık Yıldız Kümesinin Fotometrik ve Tayfsal Analizi**
Karaca Y., Oralhan İ. A., Dervişoğlu A., Kayhan C.
Turkish Journal of Astronomy and Astrophysics, vol.4, no.3, pp.341-348, 2023 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Evreni Anlama Serüveni**
EKER Z., AK T., ÇAKIRLI Ö., BOSTANCI GÜVER Z. F., DERVİŞOĞLU A., AK S., SOYDUGAN E.
NOBEL AKADEMİK, Ankara, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Erken Tür Yıldızlar ve Yarı-Ayrık Sistemlerde CII 4267 Å Çizgisinin Eşdeğer Genişlik Kalibrasyonu**
dülger m., DERVİŞOĞLU A.
XX. Ulusal Astronomi Kongresi, Turkey, 5 - 09 September 2016
- II. **RV Tauri türü Post-AGB Yıldızların Alfa-element Bolluk Analizleri: ATLAS9 vs TLUSTY**
YOLALAN G., ŞAHİN T., Dülgerli M., DERVİŞOĞLU A.
21. Ulusal Astronomi Kongresi, Turkey, 3 - 07 September 2018
- III. **Constraining thermohaline mixing in Algol-type systems with the surface carbon to nitrogen abundance ratio**
DERVİŞOĞLU A., Pavlovski K., Southworth J., Lehmann H.
The IMPACT of BINARIES on STELLAR EVOLUTION, Garching, Germany, 3 - 07 July 2017

Supported Projects

2023 - Continues	Ayrık ve Yarı Ayrık Örtün Çift Yıldız Sistemleri ve Yaşanabilir Bölgeler, Project Supported by Higher Education Institutions
2022 - Continues	Atatürk Üniversitesi Yıldız ve Ötegezegen Sistemleri Araştırma Programı (ATAÜNİ YÖGAP), Project Supported by Higher Education Institutions
2022 - 2025	Yarı-Ayrık Algollerin Evrim Durumları, TUBITAK Project
2021 - 2023	Açık Yıldız Kümelerinin Tayfsal Analizi, Project Supported by Higher Education Institutions
2020 - 2023	PostAGB Evresindeki RV Tauri Türü Yıldızlarının Kepler ve TESS Temelli Zonklama Özelliklerinin Tespiti ve Doğası, Project Supported by Higher Education Institutions

2015 - 2019	Stars and dust: structure, composition and interaction, Universities of Other Countries Supported Project
2013 - 2017	Yarı Ayrık Algol Sistemlerde Tayf Çözümleme Yöntemi İle Bileşenlerin Kimyasal Bolluklarının Bulunması, TUBITAK Project
2010 - 2012	Klasik Algol Dizgelerinde Kimyasal Elementlerin Göreli Bolluklarının Tayini, TUBITAK Project

Activities in Scientific Journals

2022 - Continues	İstanbul Üniversitesi Fen Fakültesi Astronomi ve Fizik Dergisi, Publication Committee Member
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Scientific Refereeing

July 2024	Balkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal
November 2023	İstanbul Üniversitesi Fen Fakültesi Astronomi ve Fizik Dergisi, National Scientific Refreed Journal
September 2022	Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal
July 2020	SAKARYA UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal

Metrics

Publication: 22
Citation (WoS): 186
Citation (Scopus): 187
H-Index (WoS): 6
H-Index (Scopus): 6

Non Academic Experience

2017 - 2020	University of Zagreb
2007 - 2008	Universtiy of Cambridge, Institute of Astronomy