

## **Assoc. Prof. Ahmet DERViŞOĞLU**

### **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**

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Astronomi ve Uzay Bilimleri, Turkey 2005 - 2010

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Astronomi ve Uzay Bilimleri , Turkey 2003 - 2005

Undergraduate Double Major, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 2000 - 2003

Undergraduate, Istanbul University, Faculty Of Science, Astronomy And Space Sciences, Turkey 1999 - 2003

### **Research Areas**

Astronomy and Astrophysics

### **Academic Titles / Tasks**

Associate Professor, Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2022 - Continues

Associate Professor, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri , 2020 - 2022

Assistant Professor, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri , 2012 - 2020

Associate Professor, Zagreb Üniversitesi, Faculty of Sciences, Physics, 2017 - 2019

Researcher, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri Bölümü, 2010 - 2012

Researcher, University of Cambridge, Institute of Astronomy, 2007 - 2008

### **Academic and Administrative Experience**

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 , 2021 - 2022

Head of Department, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri , 2021 - 2022

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri , 2017 - 2022

Assistant Manager of Research and Application Center, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri , 2019 - 2020

Teknik Kurul Üyesi, Diğer (Kurumlar,hastaneler Vb.), Tübitak, Ulusal Gözlemevi, 2016 - 2020

Head of Department, Erciyes University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri , 2016 - 2018

## Courses

Astrofizik II, Undergraduate, 2021 - 2022

Tayfölcüm, Undergraduate, 2021 - 2022

## 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., Mkrtichian 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., Ibanoglu C.  
NEW ASTRONOMY, vol.17, no.2, pp.215-220, 2012 (SCI-Expanded)
- XI. **Carbon deficiencies in the primaries of some classical Algols**  
Ibanoglu 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., Ibanoglu 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., Ibanoglu 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., Soyduğan F., Soyduğan E., DERVİŞOĞLU A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.373, no.1, pp.435-448, 2006 (SCI-Expanded)

## 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

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 - Continues  
Akkaya Oralhan İ., Dervişoğlu A., Project Supported by Higher Education Institutions, Açık Yıldız Kümelerinin Tayfsal Analizi, 2021 - 2023

Dervişoğlu A., Akkaya Oralhan İ., Project Supported by Higher Education Institutions, PostAGB Evresindeki RV Tauri Türü Yıldızlarının Kepler ve TESS Temelli Zonklama Özelliklerinin Tespiti ve Doğası, 2020 - 2023

Dervişoğlu A., Pavlovski K., Universities of Other Countries Supported Project, Stars and dust: structure, composition and interaction, 2015 - 2019

Dervişoğlu A., TUBITAK Project, Yarı Ayrık Algol Sistemlerde Tayf Çözümleme Yöntemi İle Bileşenlerin Kimyasal Bolluklarının Bulunması, 2013 - 2017

Ibanoglu C., TUBITAK Project, Klasik Algol Dizgelerinde Kimyasal Elementlerin Görelî Bolluklarının Tayini, 2010 - 2012

## Metrics

Publication: 20

Citation (WoS): 186

Citation (Scopus): 187

H-Index (WoS): 6

H-Index (Scopus): 6