

Assoc. Prof. AHMET DERVİŞOĞLU

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 33264

Fax Phone: [+90 352 437 4933](tel:+903524374933)

Email: ahmet.dervisoglu@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/ahmet.dervisoglu/>

Address: Erciyes Üniversitesi, Fen Fakültesi Astronomi ve Uzay Bilimleri

Bölümü 38039 Talas / KAYSERİ

International Researcher IDs

ORCID: 0000-0003-1593-1724

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

ScopusID: 15057683200

Yoksis Researcher ID: 117571



Education Information

- I. Doctorate, Ege University, Fen Bilimleri, Astrofizik, Turkey 2005 - 2010
- II. Postgraduate, Ege University, Fen Bilimleri, Astrofizik, Turkey 2003 - 2005
- III. Undergraduate Double Major, Istanbul University, Faculty Of Science, Fizik Böl., Turkey 2000 - 2003
- IV. Undergraduate, Istanbul University, Faculty Of Science, Astronomi Ve Uzay Bil., Turkey 1999 - 2003

Foreign Languages

- I. English, C1 Advanced

Research Areas

Physics, Astronomy and Astrophysics, Astronomy and Astrophysics: Instrumentation Techniques and Observations, Stars, Natural Sciences

Academic Titles / Tasks

- I. Associate Professor, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2020 - Continues
- II. Assistant Professor, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2018 - 2020
- III. Assistant Professor, Zagreb Üniversitesi, Faculty Of Science, Department Of Physics, 2017 - 2019
- IV. Assistant Professor, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2012 - 2018
- V. Research Assistant, University of Cambridge, Institute Of Astronomy, Stellar Evolution Group, 2007 - 2008

Academic and Administrative Experience

- I. Head of Department, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2021 - 2022
- II. Head of Department, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2021 - 2022
- III. Manager of Research and Application Center, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2021 -

2022

- IV. Assistant Manager of Research and Application Center, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2019 - 2021
- V. Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2016 - 2021
- VI. Head of Department, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2016 - 2018

Courses

- I. UZMANLIK ALAN DERSİ 2, Postgraduate, 2015 - 2016
- II. Modern Fizik, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
- III. Etkileşen Çift Yıldızların Evrimi, Postgraduate, 2015 - 2016, 2014 - 2015
- IV. Bilimsel Sonuçların Sunumu, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
- V. Astronomiye Giriş I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
- VI. TEZ ÇALIŞMASI 2, Postgraduate, 2015 - 2016
- VII. Tayfsal Analiz, Doctorate, 2015 - 2016, 2014 - 2015
- VIII. Astronomiye Giriş II, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
- IX. Astrofizikte Matematik Metodlar, Doctorate, 2016 - 2017, 2015 - 2016
- X. Değişen Yıldızlar, Undergraduate, 2015 - 2016, 2014 - 2015
- XI. Bitirme Tezi II, Undergraduate, 2014 - 2015
- XII. Bitirme Tezi I, Undergraduate, 2014 - 2015
- XIII. Etkileşen Çift Yıldızların Evrimi, Postgraduate, 2013 - 2014
- XIV. Bilimsel Sonuçların Sunumu, Postgraduate, 2012 - 2013
- XV. Astronomiye Giriş I, Undergraduate, 2012 - 2013
- XVI. Yıldız Atmosferleri, Undergraduate, 2012 - 2013
- XVII. Modern Fizik, Undergraduate, 2013 - 2014
- XVIII. Yüksek Enerji Astrofiziği , Undergraduate, 2012 - 2013
- XIX. Ast. Gözlem Araç ve Yöntemleri, Undergraduate, 2011 - 2012
- XX. Güneş Sistemi, Undergraduate, 2011 - 2012
- XXI. Pratik Astronomi, Undergraduate, 2011 - 2012
- XXII. Özel Yıldızlar, Postgraduate, 2011 - 2012
- XXIII. Gök Mekaniği, Undergraduate, 2011 - 2012
- XXIV. Değişen Yıldızlar, Undergraduate, 2011 - 2012

Advising Theses

- I. Dervişoğlu A., Yarı-Ayrık Çift Sistemlerde CNO Evriminin Kütle Aktarım Belirteci Olarak İncelenmesi, Postgraduate, C.Terzioğlu(Student), Continues
- II. DERVİŞOĞLU A., SICAK YILDIZ TAYFLARINDAN ELDE EDİLMİŞ CNO BOLLUKLARININ KÜTLE AKTARIMI ÇİFT SİSTEMLERLE KARŞILAŞTIRILMASI, Postgraduate, M.Dülger(Student), 2017

Jury Memberships

- I. Doctorate, Doctorate, Atatürk Üniversitesi, July, 2019
- II. Post Graduate, Post Graduate, Akdeniz Üniversitesi, June, 2019
- III. Post Graduate, Alper Aslan Astronomi Yüksek Lisans Jürisi, Erciyes Üniversitesi, July, 2012
- IV. Post Graduate, Pınar İnce Astronomi Yüksek Lisans Jürisi, Ege Üniversitesi, June, 2012

- I. **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., Şahin T., Audenaert J., et al.
ASTRONOMY & ASTROPHYSICS, vol.658, 2022 (SCI-Expanded)
- II. **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)
- III. **Spectroscopic long-term monitoring of RZ Cas: I. Basic stellar and system parameters**
Lehmann H., Dervişoğlu A., Mkrtichian D., Pertermann F., Tkachenko A., Tsymbal V.
Astronomy and Astrophysics, vol.644, 2020 (SCI-Expanded)
- IV. **High Resolution Optical Spectroscopy of a B-type Abundance Standard Candidate in Ori OB1—HD 35039**
ŞAHİN T., DERVİŞOĞLU A.
Astronomy Letters, vol.45, no.8, pp.528-545, 2019 (SCI-Expanded)
- V. **Analysis of a detached eclipsing binary at near the turnoff point of the open cluster NGC 6791 in Kepler field**
Hoyman B., Özdarcan O., Dervisoglu A., Yontan T., Çakırlı Ö.
NEW ASTRONOMY, vol.68, pp.10-19, 2019 (SCI-Expanded)
- VI. **Evidence for conservative mass transfer in the classical Algol system delta Librae from its surface carbon-to-nitrogen abundance ratio**
Dervisoglu A., Pavlovski K., Lehmann H., Southworth J., Bewsher D.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.481, pp.5660-5674, 2018 (SCI-Expanded)
- VII. **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., Dervisoglu A., Gieren W., Smolec R., Soszynski I., Pietrzynski G., Thompson I. B., Taormina M.
ASTROPHYSICAL JOURNAL, vol.868, 2018 (SCI-Expanded)
- VIII. **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)
- IX. **Absolute properties of the neglected eclipsing B-type binary HD 194495**
ÇAKIRLI Ö., Dervisoglu A., SİPAHİ E., İbanoglu C.
NEW ASTRONOMY, vol.17, no.2, pp.215-220, 2012 (SCI-Expanded)
- X. **Carbon deficiencies in the primaries of some classical Algols**
İbanoglu C., Dervisoglu A., ÇAKIRLI Ö., SİPAHİ E., Yuce K.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.419, no.2, pp.1472-1479, 2012 (SCI-Expanded)
- XI. **V1898 CYGNI: AN INTERACTING ECLIPSING BINARY IN THE VICINITY OF NORTH AMERICA NEBULA**
DERVİŞOĞLU A., Çakırlı Ö., İbanoglu C., Sipahi E.
REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, vol.47, no.2, pp.297-307, 2011 (SCI-Expanded)
- XII. **THE ABSOLUTE PARAMETERS FOR NSVS 11868841 AND THE OVERSIZED STARS IN LOW-MASS ECLIPSING BINARIES**
Çakırlı Ö., İbanoglu C., DERVİŞOĞLU A.
REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, vol.46, no.2, pp.355-365, 2010 (SCI-Expanded)
- XIII. **Spin angular momentum evolution of the long-period Algols**
Dervisoglu A., Tout C. A., İbanoglu C.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.406, no.2, pp.1071-1083, 2010 (SCI-Expanded)
- XIV. **Is NP Aqr a new near-contact binary?**
İbanoglu C., ÇAKIRLI Ö., Dervisoglu A.

NEW ASTRONOMY, vol.15, no.4, pp.373-379, 2010 (SCI-Expanded)

XV. **Angular momentum evolution of Algol binaries**

İbanoğlu C., Soyduğan F., Soyduğan E., Dervisoğlu A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.373, pp.435-448, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. **Supernova 2013ed = Psn J16162429+5153057**

Boles T., James N., Balam D., Graham M., Hsiao E., Dennefeld M., Bonfanti A., DERVİŞOĞLU A., Narloch W., Zejmo M.
Central Bureau Electronic Telegrams, vol.3596, 2013 (Non 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

II. **Küçük Kütleli Yıldızların Yaşamları ve Ölümleri**

DERVİŞOĞLU A., Bostancı Güver ., Soyduğan E., Çakırlı Ö., Ak S., Ak T., Eker Z.
in: Evreni Anlama Serüveni, Güver, T., Editor, Nobel Akademik Yayıncılık, Ankara, pp.388-415, 2017

III. **Cüce Gezegenler ve Güneş Sisteminin Enkazı**

DERVİŞOĞLU A., Bostancı Güver ., Soyduğan E., Çakırlı Ö., Ak S., Ak T., Eker Z.
in: Evreni Anlama Serüveni, Güver, T., Editor, Nobel Akademik Yayıncılık, Ankara, pp.277-308, 2017

IV. **Kozmoloji: Evrenin Doğası**

DERVİŞOĞLU A., Bostancı Güver ., Soyduğan E., Çakırlı Ö., Ak S., Ak T., Eker Z.
in: Evreni Anlama Serüveni, Güver, T., Editor, Nobel Akademik Yayıncılık, Ankara, pp.512-546, 2017

Refereed Congress / Symposium Publications in Proceedings

I. **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

II. **Constraining thermohaline mixing inAlgol-type systems with the surfacecarbon to nitrogen abundance ratio**

DERVİŞOĞLU A., Pavlovski K., Southworth J., Lehmann H.
The IMPACT of BINARIES on STELLAR EVOLUTION, Munich, Germany, 3 - 07 July 2017, pp.12

III. **On the Evolutionary Status of delta Librae**

DERVİŞOĞLU A.
Inorganic Machines of the Universe, İstanbul, Turkey, 19 - 21 September 2016, vol.1, no.1, pp.1

IV. **Erken Tür Yıldızlar ve Yarı-Ayrık Sistemlerde CII 4267 Çizgisinin Eşdeğer Genişlik Kalibrasyonu**

Dülger M., DERVİŞOĞLU A.
20. Ulusal Astronomi Kongresi, Erzurum, Turkey, 5 - 09 September 2016, vol.1, no.1, pp.1

V. **Tracing CNO exposed layers in the Algol type binaries**

DERVİŞOĞLU A.
Astronomy Workshop:"Binary Stars and Exoplanets", Çanakkale, Turkey, 21 - 23 February 2016, vol.1, no.1, pp.1

VI. **Disentangling binary spectra as a trace of CNO exposed layers of Algols: u Her**

DERVİŞOĞLU A.
THE ORIGIN OF COSMIC ELEMENTS Past and Present Achievements, Future Challenges, Spain, 1 - 04 June 2013

- VII. **Algollerin Kütle Korunumsuz Evrimi**
DERVİŞOĞLU A.
Yakın Çift Yıldızların Yapısı ve Evrimi Çalıştayı, İzmir, Turkey, 1 - 04 January 2011, pp.39-72
- VIII. **Yarı-Ayrık Sistemlerin Korunumsuz Yörünge ve Dönme Açısal Momentum Evrimi**
DERVİŞOĞLU A.
XVII Ulusal Astronomi Kongresi, Adana, Turkey, 1 - 04 January 2011, pp.1472-1479
- IX. **Klasik Algol Dizgelerinde Kimyasal Elementlerin Görelî Bollukları**
İbanoğlu C., Çakırlı Ö., DERVİŞOĞLU A., Yüce K.
XVII Ulusal Astronomi Kongresi, Adana, Turkey, 1 - 04 January 2011, pp.363-373
- X. **Güneş Benzeri Etkinlik Gösteren Küçük Kütleli Çift Yıldızlar**
İbanoğlu C., Çakırlı Ö., DERVİŞOĞLU A.
Güneş ve Güneş Benzeri Yıldızlar Sempozyumu, İstanbul, Turkey, 1 - 04 August 2010, pp.54-61
- XI. **FG UMA'Nın Üç Ayrı Yöntemle Işıklıçüm Çözümlemesi**
Doğan T., Akarsu Ö., DERVİŞOĞLU A., Evren S.
XV. Ulusal Astronomi Kongresi, İstanbul, Turkey, 1 - 04 January 2007

Supported Projects

- I. AKKAYA ORALHAN İ., KARACA Y., DERVİŞOĞLU A., Project Supported by Higher Education Institutions, Açık Yıldız Kümelerinin Tayfsal Analizi, 2021 - Continues
- II. AKKAYA ORALHAN İ., KAYHAN C., DERVİŞOĞLU A., Project Supported by Higher Education Institutions, PostAGB Evresindeki RV Tauri Türü Yıldızlarının Kepler ve TESS Temelli Zonklama Özelliklerinin Tespiti ve Doğası, 2020 - 2023
- III. Dervişoğlu A., De Cat P., Universities of Other Countries Supported Project, The abundance patterns for Algol-type binaries: diagnostics of the thermonuclear processes in mass transfer systems, 2019 - 2019
- IV. Pavlovski K., Dervişoğlu A., Other International Funding Programs, Stars and dust: structure, composition and interaction, 2015 - 2019

Scientific Refereeing

- I. SAKARYA ÜNİVERSİTY JOURNAL OF SCİENCE, National Scientific Refreed Journal, September 2019
- II. SAKARYA ÜNİVERSİTY JOURNAL OF SCİENCE, National Scientific Refreed Journal, January 2019
- III. Monthly Notices of the Royal Astronomical Society, SCI Journal, August 2017

Tasks In Event Organizations

- I. Dervişoğlu A., 1. LİSANSÜSTÜ ECHELLE TAYFBİLİM YAZ OKULU, Workshop Organization, İzmir, Turkey, Temmuz 2019

Metrics

Publication: 31
Citation (WoS): 158
Citation (Scopus): 142
H-Index (WoS): 5
H-Index (Scopus): 4

Congress and Symposium Activities

- I. Spectroscopic data analysis with iSpec, Working Group, Wroclaw, Poland, 2018
- II. ESAC DATA ANALYSIS & STATISTICS WORKSHOP, Attendee, Madrid, Spain, 2017
- III. The IMPACT of BINARIES on STELLAR EVOLUTION, Attendee, München, Germany, 2017
- IV. VI. TUG Teleskopları Performans Çalıştayı RTT150, T100, T60, Attendee, Antalya, Turkey, 2016
- V. Inorganic Machines of the Universe, Attendee, İstanbul, Turkey, 2016
- VI. Recent Advances in Astrophysics Workshop: Exoplanets and Life, Attendee, Çanakkale, Turkey, 2016
- VII. 20. Ulusal Astronomi Kongresi, Attendee, Erzurum, Turkey, 2016
- VIII. Astronomy Workshop:"Binary Stars and Exoplanets", Attendee, Çanakkale, Turkey, 2016
- IX. Ulusal Astronomi Kongresi, Attendee, Ankara, Turkey, 2015
- X. Setting a new standard in the analysis of binary stars, Attendee, Leuven, Belgium, 2013
- XI. The Eleventh NEON Observing School, Attendee, La Palma / Kanarya Adaları, Spain, 2013
- XII. THE ORIGIN OF COSMIC ELEMENTS Past and Present Achievements, Future Challenges, Attendee, Barcelona, Spain, 2013
- XIII. Büyük Çaplı Teleskoplar İçin Türkiye'de Yer Belirleme Çalıştayı, Attendee, İstanbul, Turkey, 2013
- XIV. Küçük Teleskoplarla Bilim: Fırsat Gözlemciliği, Attendee, İstanbul, Turkey, 2013
- XV. XVII ULUSAL ASTRONOMİ KONGRESİ, Attendee, ADANA, Turkey, 2010
- XVI. Yakın Çift Yıldızlar Çalıştayı, Attendee, Ege Üniversitesi, Turkey, 2010
- XVII. Güneş ve Güneş Benzeri Yıldızlar Sempozyumu, Attendee, İstanbul Üniversitesi, Turkey, 2010
- XVIII. 2009 Dünya Astronomi Yılı'nda Türkiye'deki Astronomi Faaliyetlerinin Değerlendirilmesi Sempozyumu, Attendee, İstanbul Üniversitesi, Turkey, 2009
- XIX. Unsolved Problems in Stellar Physics, Attendee, University of Cambridge, United Kingdom, 2007
- XX. XIV ULUSAL ASTRONOMİ KONGRESİ, Attendee, Erciyes Üniversitesi, Turkey, 2004
- XXI. New Directions for Close Binary Studies: Royal Road to the Stars Symposium, Attendee, Canakkale, Turkey, 2002
- XXII. Workshop on Optical Interferometry, Gravitational Lensing and Liquid Mirror Telescopes, Attendee, Canakkale, Turkey, 2002
- XXIII. Workshop on Photometric Study of Eclipsing Binaries, Attendee, Canakkale, Turkey, 2001
- XXIV. XII ULUSAL ASTRONOMİ KONGRESİ, Attendee, Ege Üniversitesi, Turkey, 2000

Scholarships

- I. Support for summer school attendance, Other International Organizations, 2013 - Continues
- II. Support for conference attendance, Official Institutions of Foreign Countries, 2013 - Continues
- III. Travel Support, University, 2013 - Continues
- IV. Doktora Sonrası Araştırma Bursu, TUBITAK, 2010 - Continues
- V. Yurtdışı Doktora Bursu, TUBITAK, 2007 - Continues
- VI. Yurtiçi Doktora Bursu, TUBITAK, 2005 - Continues
- VII. Postdoctoral Researcher, University, 2017 - 2019

Coaching Duties

Refereeing Duties

Non Academic Experience

- I. University, Atatürk Üniversitesi, Astrofizik Araştırma ve Uygulama Merkezi
- II. TUBİTAK, Tübitak Ulusal Gözlemevi, Tübitak Ulusal Gözlemevi