Assoc. Prof. AHMET DERVİŞOĞLU



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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 Giris 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 AKTARMIŞ 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 Yuksek Lisan Jürisi, Erciyes Üniversitesi, July, 2012

IV. Post Graduate, Pınar İnce Astronomi Yuksek Lisan Jürisi, Ege Üniversitesi, June, 2012

Published journal articles indexed by SCI, SSCI, and AHCI

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., Pavlovskı 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., Ibanoglu C.
NEW ASTRONOMY, vol.17, no.2, pp.215-220, 2012 (SCI-Expanded)

X. **Carbon deficiencies in the primaries of some classical Algols**
Ibanoglu 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., İbanoğlu 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., İbanoğlu 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., Ibanoglu 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?**
Ibanoglu 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., Soydugan F., Soydugan E., Dervisoglu 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 ., Soydugan 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 ., Soydugan 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 ., Soydugan 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 Göreli 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 Işıkölçüm 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 UNİVERSİTY JOURNAL OF SCİENCE, National Scientific Refreed Journal, September 2019
II. SAKARYA UNİVERSİTY 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. Küçük Teleskoplarla Bilim: Fırsat Gözlemciliği, Attendee, İstanbul, Turkey, 2013
XIV. Büyük Çaplı Teleskoplar İçin Türkiye'de Yer Belirleme Çalıştayı, 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. Yurdışı 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. TUBITAK, Tübitak Ulusal Gözlemevi, Tübitak Ulusal Gözlemevi