

## Assoc. Prof. BURAK ULAŞ

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-4624-3847

ScopusID: 8980081900

Yoksis Researcher ID: 326687

### Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Genel Fizik, Turkey 2002 - 2009

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri, Turkey 2000 - 2002

Undergraduate, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri, Turkey 1995 - 1999

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Zonklayan Bileşenli Algollerde Bozulmanın Zonklama Dönemine Etkisi , Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Genel Fizik, 2009

Postgraduate, V836 Cygni Örtün Çift Yıldız Dizgesinin Fotoelektrik Işıklılığı, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri, 2002

### Research Areas

Physics, Astronomy and Astrophysics, Star Systems, Interstellar Medium, The Galaxy, Galactic and Extragalactic Objects and Systems, Cosmology, Stars, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Uzay Bilimleri Ve Teknolojileri, 2023 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Uzay Bilimleri ve Teknolojileri, 2020 - Continues

Research Assistant, Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2005 - 2009

### Advising Theses

ULAŞ B., Asteroseismic Investigation of the HADS candidate HD 140639 in the TESS Field, Postgraduate,

M.Madiba(Student), Continues

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Six Newly Discovered Eclipsing Binary Systems in the TESS field**  
Ulaş B., Ayan V.  
RESEARCH IN ASTRONOMY AND ASTROPHYSICS, vol.23, pp.1-12, 2023 (SCI-Expanded)
- II. **Discovery of  $\delta$  Sct components in eclipsing binary systems IQ CMa, AW men and W Vol**  
Ulaş B., Ulusoy C.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.518, no.3, pp.4180-4190, 2023 (SCI-Expanded)
- III. **Discovery of pulsating components in eclipsing binary systems through the TESS light curves: the cases of CPD-30 740, HD 97329, V1637 Ori and TYC 683-640-1**  
ULAŞ B., Ulusoy C., ERKAN N., Madiba M., Matsete M.  
Astrophysics and Space Science, vol.367, no.2, 2022 (SCI-Expanded)
- IV. **Four New Eclipsing Binary Systems in the TESS field: CD-34 13220, HD 295082, TYC 6484-426-1 and TYC 6527-2310-1**  
ULAŞ B.  
RESEARCH IN ASTRONOMY AND ASTROPHYSICS, vol.21, no.11, 2021 (SCI-Expanded)
- V. **A Comprehensive Study of the Eclipsing Binaries V1241 Tau and GQ Dra**  
ULAŞ B., Gazeas K., Liakos A., Ulusoy C., Stateva I., ERKAN N., Napetova M., Iliev I. K.  
ACTA ASTRONOMICA, vol.70, no.3, pp.219-240, 2020 (SCI-Expanded)
- VI. **A study of variability of the marginal Am star HD 176843 observed in the Kepler field**  
ULUSOY C., Stateva I., ULAS B., ALIÇAVUŞ F., ILIEV I. K., Napetova M., KAYGAN E.  
NEW ASTRONOMY, vol.71, pp.33-38, 2019 (SCI-Expanded)
- VII. **First photometric investigation of some ASAS binary systems**  
ULAŞ B.  
Turkish Journal of Physics, pp.459-469, 2019 (SCI-Expanded)
- VIII. **First multicolor photometry of 1SWASP J130111.22+420214.0 and 1SWASP J231839.72+352848.2**  
Ulas B., MICHEL R., SILVA S.  
NEW ASTRONOMY, vol.63, pp.61-64, 2018 (SCI-Expanded)
- IX. **The low mass ratio contact binary system V728 Herculis**  
ERKAN N., ULAS B.  
NEW ASTRONOMY, vol.46, pp.73-77, 2016 (SCI-Expanded)
- X. **First light curve analyses of binary systems AO Aqr, CW Aqr and ASAS 012206-4924.7**  
Ulas B., ULUSOY C.  
NEW ASTRONOMY, vol.41, pp.1-4, 2015 (SCI-Expanded)
- XI. **New photometric study of a southern contact binary system: HI Puppis**  
Ulas B., ULUSOY C.  
NEW ASTRONOMY, vol.31, pp.56-59, 2014 (SCI-Expanded)
- XII. **Frequency and spectrum analysis of gamma Doradus type Kepler target KIC 6462033**  
ULUSOY C., STATEVA I., ILIEV I. K., Ulas B.  
NEW ASTRONOMY, vol.30, pp.28-31, 2014 (SCI-Expanded)
- XIII. **New beta Cephei variable in the Southern open cluster NGC 6200: ALS 3728**  
ULUSOY C., NIEMCZURA E., Ulas B., GUELMEZ T.  
NEW ASTRONOMY, pp.55-58, 2013 (SCI-Expanded)
- XIV. **An asteroseismic study of the Southern beta Cephei star ALS 3721**  
ULUSOY C., NIEMCZURA E., Ulas B., GULMEZ T.  
NEW ASTRONOMY, vol.22, pp.51-56, 2013 (SCI-Expanded)
- XV. **Multisite photometric campaign on the high-amplitude delta Scuti star KIC 6382916**  
ULUSOY C., Ulas B., GUELMEZ T., BALONA L. A., STATEVA I., ILIEV I. K., DIMITROV D., Kobulnicky H. A., PICKERING T. E., FOX MACHADO L., et al.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.433, no.1, pp.394-401, 2013 (SCI-Expanded)
- XVI. **Numerical solutions of the equation concerning small adiabatic oscillations of pulsating components**

#### **in double star systems**

Ulas B.

ASTRONOMISCHE NACHRICHTEN, vol.333, no.8, pp.744-753, 2012 (SCI-Expanded)

**XVII. Close binary system G0 Cyg**

Ulas B., Kalomeni B., KESKİN V., KÖSE Ö. C., YAKUT K.

NEW ASTRONOMY, vol.17, no.3, pp.296-302, 2012 (SCI-Expanded)

**XVIII. Marginally low mass ratio close binary system V1191 Cyg**

Ulas B., Kalomeni B., KESKİN V., KÖSE Ö. C., YAKUT K.

NEW ASTRONOMY, vol.17, no.1, pp.46-49, 2012 (SCI-Expanded)

**XIX. The short-period low-mass binary system CC Com revisited**

KÖSE Ö. C., Kalomeni B., KESKİN V., Ulas B., YAKUT K.

ASTRONOMISCHE NACHRICHTEN, vol.332, no.6, pp.626-630, 2011 (SCI-Expanded)

**XX. The Algol-type eclipsing binaries RW CrB and VZ Leo: new RI photometric study and search for pulsations**

ULAŞ B., NIARCHOS P. G., LAMPENS P., LIAKOS A.

ASTROPHYSICS AND SPACE SCIENCE, vol.319, no.1, pp.55-62, 2009 (SCI-Expanded)

**XXI. Absolute properties of the binary system BB Pegasi**

KALOMENI B., YAKUT K., KESKİN V., DEGİRMENCI O. L., Ulas B., KOSE O.

ASTRONOMICAL JOURNAL, vol.134, no.2, pp.642-647, 2007 (SCI-Expanded)

**XXII. Basic physical properties of the low-temperature contact binary system V781 Tau and the near-contact binary system V836 Cyg**

YAKUT K., Ulas B., KALOMENI B., GULMEN O.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.363, no.4, pp.1272-1278, 2005 (SCI-Expanded)

**XXIII. The BV light and O-C curves analyses of the triple system V505 Sagittarii**

IBANOGLU C., CAKIRLI O., DEGİRMENCI O., SAYGAN S., Ulas B., ERKAN N.

ASTRONOMY & ASTROPHYSICS, vol.354, no.1, pp.188-192, 2000 (SCI-Expanded)

#### **Articles Published in Other Journals**

**I. New Times of Minima of Eclipsing Binary Systems**

YAKUT K., ERKAN N., ULAŞ B., KESKİN V.

Information Bulletin of Variable Stars, pp.1, 2003 (Peer-Reviewed Journal)

#### **Refereed Congress / Symposium Publications in Proceedings**

**I. Image Classification Algorithm for Determining the Light Curve Morphologies of ASAS-SN Eclipsing Binaries**

ULAŞ B.

Turkish Physical Society 36th International Physics Congress, 1 - 05 September 2020

**II. Asteroseismology of the Kepler target KIC 9204718**

Ulusoy C., STATEVA I., ILIEV I. K., Ulas B., NAPETOVA M.

22nd Los Alamos Stellar Pulsation Conference, San Pedro de Atacama, Chile, 28 November - 02 December 2016, vol.152

**III. VR 'Space Opera': Mimetic Spectralism in an Immersive Starlight Audification System**

Carey B., ULAŞ B.

13. Sound and Music Computing Conference, Hamburg, Germany, 31 August - 03 September 2016, pp.104-108

**IV. Düşük Kütle Oranlı Değın Çift Yıldız Dizgesi V728 Herculis**

ERKAN N., ULAŞ B.

19. Ulusal Astronomi Kongresi ve 8. Ulusal Astronomi Öğrenci Kongresi, Ankara, Turkey, 2 - 06 February 2015

- V. **Bazı Zonklayan Bileşenli Yıldızlar İçin Akor Kalıpları**  
ULAŞ B.  
XIX. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015, pp.1
- VI. **A search for pulsations in two Algol-type systems V1241 Tau and GQ Dra**  
Ulas B., ULUSOY C., GAZEAS K., ERKAN N., LIAKOS A.  
301st Symposium of the International-Astronomical-Union, Wroclaw, Poland, 19 - 23 August 2013, vol.9, pp.507-508
- VII. **Seismic investigation of the gamma Dor star KIC 6462033: The first results of Kepler and ground-based follow up observations**  
ULUSOY C., Ulas B., DAMASSO M., CARBOGNANI A., CENADELLI D., STATEVA I., ILIEV I. K., DIMITROV D.  
301st Symposium of the International-Astronomical-Union, Wroclaw, Poland, 19 - 23 August 2013, vol.9, pp.509-510
- VIII. **Politropik Yakın Çift Yıldız Bileşenlerinde Akustik Dalga Yayılımı**  
ULAŞ B.  
XVIII. Ulusal Astronomi Kongresi, Malatya, Turkey, 27 August - 01 September 2012, pp.481-484
- IX. **Musical Scale Estimation for Some Multiperiodic Pulsating Stars**  
ULAŞ B.  
JENAM 2008 Symposium No 4: Asteroseismology and Stellar Evolution, Viyana, Austria, 8 - 12 September 2008, pp.131-133
- X. **The Algol-type eclipsing binary TZ Eridani : BV Photometry and search for pulsations and tertiary component**  
LIAKOS A., ULAŞ B., GAZEAS K., NIARCHOS P. G.  
Interpretation of Asteroseismic Data, Wroclaw, Poland, 23 - 27 June 2008, pp.336-337
- XI. **Theoretical Relation Between Oscillation Frequencies of Distorted and Undistorted Polytropic Stars**  
ULAŞ B., Demircan O.  
Latest progress in Astrophysics, Atina, Greece, 5 - 06 October 2007, pp.87-90
- XII. **An Attempt to Find the Geometrical Effect on Pulsational Period by virtue of Oblateness in Pulsating Components**  
ULAŞ B., Demircan O.  
Binary Stars as Critical Tools and Tests in Contemporary Astrophysics, Prag, Czech Republic, 22 - 25 August 2006, pp.459
- XIII. **V836 Cygni Örtün Çift Yıldız Dizgesinin Fotoelektriklikölçümü**  
ULAŞ B., Ömür G.  
13. Ulusal Astronomi Kongresi, Turkey, 2 - 06 September 2002
- XIV. **Apsidal motion studies for DI Her**  
YILDIZ M., IBANOGLU C., DEVLEN A., TAS G., Ulas B., SAYGAN S., EVREN S., ÇAKIRLI O.  
Conference of the NATO-Advanced-Study-Institute on Variable Stars as Essential Astrophysical Tools, CESME, Turkey, 31 August - 10 September 1998, vol.544, pp.577-585

## Supported Projects

Ulaş B., Project Supported by Higher Education Institutions, Discovery of New Eclipsing Binary Systems in the TESS Field, 2022 - 2023

Ulaş B., Ulusoy C., Other International Funding Programs, Asteroseismic Investigation of Delta Scuti Candidates observed by ASAS, Kepler/K2 and TESS, 2020 - 2021

ULAŞ B., TUBITAK Project, II. TÜBİTAK Bursa Gökyüzü Gözlem Şenliği, 2016 - 2016

ULAŞ B., Other International Funding Programs, Mode identification in Kepler HADS targets, 2011 - 2012

ULAŞ B., TUBITAK Project, Astrofiziksel Laboratuvarlar Olarak Yakın ve Relativistik Çift Yıldızlar, 2011 - 2012

ULAŞ B., TUBITAK Project, Manyetik Katakizmik Yıldızların Uzun Dönemli Değişimleri, 2010 - 2011

ULAŞ B., Other International Funding Programs, Beta Cephei stars in Southern open clusters, 2009 - 2010

ULAŞ B., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Onsekiz Mart Üniversitesi Gözlemevi Büyük Teleskop Projesi, 2007 - 2008

## **Metrics**

Publication: 45

Citation (WoS): 161

Citation (Scopus): 145

H-Index (WoS): 7

H-Index (Scopus): 7

## **Non Academic Experience**

İzmir Özel Türk Koleji