

## Assoc. Prof. BURAK ULAŞ

### Personal Information

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### International Researcher IDs

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### Education Information

Post Doctorate, Konkoly Observatory, Research Centre for Astronomy and Earth Sciences, Hungary 2023 - 2024

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 Örten Çift Yıldız Dizgesinin Fotoelektrik Işıkkölçümü, 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,

## 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 GO 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., KESKIN V., DEGIRMENCI 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., DEGIRMENCI 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., KESKIN V.  
Information Bulletin of Variable Stars, pp.1, 2003 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **XVI. Ulusal Astronomi Kongresi V. Ulusal Öğrenci Astronomi Kongresi**  
DEMİRCAN O., ERDEM A., SOYDUGAN F., BAKIŞ V., ÖZÇAĞ L., ULAŞ B.  
Çanakkale Onsekiz Mart Üniversitesi Yayınları, Çanakkale, 2008

## 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 Değeri 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., CENAPELLI 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 Fotoelektrik Işıkölçümü**  
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): 166

Citation (Scopus): 154

H-Index (WoS): 7

H-Index (Scopus): 7

## Non Academic Experience

İzmir Özel Türk Koleji