

## Prof. AHMET ERDEM

### Personal Information

Office Phone: [+90 286 218 0018](tel:+902862180018) Extension: 22217

Fax Phone: [+90 286 218 0533](tel:+902862180533)

Email: [aerdem@comu.edu.tr](mailto:aerdem@comu.edu.tr)

Web: <https://avesis.comu.edu.tr/aerdem>

Address: Çanakkale Onsekiz Mart Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Terzioğlu Kampüsü, 17100, Çanakkale

### International Researcher IDs

ORCID: 0000-0001-5289-8850

Publons / Web Of Science ResearcherID: AAA-8730-2021

ScopusID: 56266032500

Yoksis Researcher ID: 2814

### Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı, Turkey 1992 - 1996

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı, Turkey 1989 - 1992

Undergraduate Double Major, Ege University, Faculty Of Science, Fizik Bölümü, Turkey 1985 - 1989

Undergraduate, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri Bölümü, Turkey 1985 - 1989

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, TV Cas ve XY UMa Örtün Çift Yıldızlarının Işıkolçümü, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı / Astrofizik Bilim Dalı, 1996

Postgraduate, Güneş Parlamaları, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı / Astrofizik Bilim Dalı, 1992

### Research Areas

Astronomy and Astrophysics, Stars

### Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2007 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2002 - 2007

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 1996 - 2002

Research Assistant, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri Bölümü, 1990 - 1996

## Academic and Administrative Experience

Vice Rector, Canakkale Onsekiz Mart University, 2015 - 2019

Canakkale Onsekiz Mart University, Fen Fakültesi, 2013 - 2015

Canakkale Onsekiz Mart University, Fen Fakültesi, 2010 - 2013

Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, 2009 - 2010

## Advising Theses

ERDEM A., Bazı CAB Adayı Çift Yıldızların Fotometrik Analizi, Doctorate, D.SÜRGİT(Student), 2010

ERDEM A., Güney Yarımkürede Seçilen Bazı W UMa Türü Çift Yıldızların Tayfsal ve Fotometrik İncelenmesi, Doctorate, B.ÖZKARDEŞ(Student), 2010

ERDEM A., RS CVn Yıldızlarının Genel Özellikleri, Postgraduate, D.SÜRGİT(Student), 2005

ERDEM A., W Ursae Majoris Türünden Güneş Benzeri Örtlen Çift Yıldızlar, Postgraduate, B.ÖZKARDEŞ(Student), 2004

ERDEM A., Örtlen Çift Yıldızlarda Üçüncü Cisim Sorunu ve Dinamiği, Postgraduate, V.BAKIŞ(Student), 2004

ERDEM A., RS CVn Türü Örtlen Çift Yıldız RT Andromedae'nin Yörünge Dönemi Analizi, Postgraduate, M.GÜRE(Student), 2000

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

- I. **First photometric study of three eclipsing binary star systems: V495 Aur, V589 Aur and V478 Cam**  
ÖZTÜRK O., ERDEM A.  
New Astronomy, vol.102, 2023 (SCI-Expanded)
- II. **Apsidal motion and absolute parameters of GV Nor and V881 Sco based on mid-resolution spectroscopy and TESS photometry**  
SÜRGİT D., Zasche P., Hadrava P., ERDEM A., Engelbrecht C. A., Marang F., Mašek M., Stevens D. J.  
Monthly Notices of the Royal Astronomical Society, vol.519, no.3, pp.4699-4715, 2023 (SCI-Expanded)
- III. **First detailed study of two eccentric eclipsing binaries: TYC 5378-1590-1 and TYC 8378-252-1**  
Zasche P., SÜRGİT D., ERDEM A., Engelbrecht C., Marang F.  
Astronomy and Astrophysics, vol.670, 2023 (SCI-Expanded)
- IV. **V410 Puppis: A useful laboratory for early stellar evolution**  
ERDEM A., SÜRGİT D., ÖZKARDEŞ B., Hadrava P., Rhodes M. D., Love T., Blackford M. G., Banks T. S., Budding E.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.515, no.4, pp.6151-6163, 2022 (SCI-Expanded)
- V. **First photometric study of two eclipsing binary star systems: V523 And and V543 And**  
ÖZTÜRK O., Erdem A.  
NEW ASTRONOMY, vol.92, 2022 (SCI-Expanded)
- VI. **The ultra-hot-Jupiter KELT-16 b\*dynamical evolution and atmospheric properties**  
Mancini L., Southworth J., Naponiello L., Baştürk Ö., Barbato D., Biagiotti F., Bruni I., Cabona L., D'ago G., Damasso M., et al.  
Monthly Notices of the Royal Astronomical Society, vol.509, no.1, pp.1447-1464, 2022 (SCI-Expanded)
- VII. **Absolute parameters of young stars: PU Pup**  
ERDEM A., SÜRGİT D., Banks T. S., ÖZKARDEŞ B., Budding E.  
RESEARCH IN ASTRONOMY AND ASTROPHYSICS, vol.21, no.10, 2021 (SCI-Expanded)
- VIII. **Physical parameters of close binary systems: VIII**  
Gazeas K., Zola S., Liakos A., Zakrzewski B., Rucinski S. M., Kreiner J. M., Ogloza W., Drozd M., Koziel-Wierzbowska D., Stachowski G., et al.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.501, no.2, pp.2897-2919, 2021 (SCI-Expanded)
- IX. **New photometric analysis of hot Jupiter: WASP-135b**  
ÖZTÜRK O., ERDEM A.  
NEW ASTRONOMY, vol.82, 2021 (SCI-Expanded)
- X. **Absolute parameters of three southern eclipsing binaries: DQ Car, BK Ind, and V4396 Sgr**

SÜRGİT D., ERDEM A., Engelbrecht C. A., Marang F.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.493, no.2, pp.2659-2675, 2020 (SCI-Expanded)

- XI. **Multiband optical flux density and polarization microvariability study of optically bright blazars**  
Pasierb M., Goyal A., Ostrowski M., Stawarz L., Wiita P. J., Gopal-Krishna G., Larionov V. M., Morozova D. A., Itoh R., ALIÇAVUŞ F., et al.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.492, no.1, pp.1295-1317, 2020 (SCI-Expanded)
- XII. **Absolute parameters of young stars: HX Velorum**  
Blackford M. G., Erdem A., Surgit D., Ozkardes B., Budding E., Butland R., Demircan O.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.487, no.1, pp.161-167, 2019 (SCI-Expanded)
- XIII. **New photometric analysis of five exoplanets: CoRoT-2b, HAT-P-12b, TrES-2b, WASP-12b, and WASP-52b**  
Öztürk O., Erdem A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.486, no.2, pp.2290-2307, 2019 (SCI-Expanded)
- XIV. **SpUpNIC (Spectrograph Upgrade: Newly Improved Cassegrain): a versatile and efficient low- to medium-resolution, long-slit spectrograph on the South African Astronomical Observatory's 1.9-m telescope**  
Crause L. A., Gilbank D., van Gend C., Worters H. L., Sass C., Kotze E. J., Potter S., Sickafoose A., Sefako R., Southworth J., et al.  
JOURNAL OF ASTRONOMICAL TELESCOPES INSTRUMENTS AND SYSTEMS, vol.5, no.2, 2019 (SCI-Expanded)
- XV. **Absolute parameters of young stars: V454 Carinae**  
Butland R. J., Erdem A., Ozkardes B., Blackford M. G., Surgit D., Budding E., Demircan O.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.482, no.2, pp.2644-2652, 2019 (SCI-Expanded)
- XVI. **GD358: Three Decades of Observations for the In-depth Asteroseismology of a DBV Star**  
BISCHOFF-KIM A., Provencal J. L., BRADLEY P. A., MONTGOMERY M. H., Shipman H. L., HARROLD S. T., HOWARD B., STRICKLAND W., CHANDLER D., CAMPBELL D., et al.  
ASTROPHYSICAL JOURNAL, vol.871, no.1, 2019 (SCI-Expanded)
- XVII. **Authenticating the Presence of a Relativistic Massive Black Hole Binary in OJ 287 Using Its General Relativity Centenary Flare: Improved Orbital Parameters**  
Dey L., Valtonen M. J., Gopakumar A., Zola S., Hudec R., Pihajoki P., Ciprini S., Matsumoto K., Sadakane K., Kidger M., et al.  
ASTROPHYSICAL JOURNAL, vol.866, no.1, 2018 (SCI-Expanded)
- XVIII. **Stochastic Modeling of Multiwavelength Variability of the Classical BL Lac Object OJ287 on Timescales Ranging from Decades to Hours**  
Goyal A., Stawarz L., Zola S., Marchenko V., Soida M., Nilsson K., Ciprini S., Baran A., Ostrowski M., Wiita P. J., et al.  
ASTROPHYSICAL JOURNAL, vol.863, no.2, 2018 (SCI-Expanded)
- XIX. **Photometric investigation of hot exoplanets: TrES-3b and Qatar-1b**  
PÜSKÜLLÜ Ç., SOYDUGAN F., ERDEM A., BUDDING E.  
NEW ASTRONOMY, vol.55, pp.39-47, 2017 (SCI-Expanded)
- XX. **Radio and optical intra-day variability observations of five blazars**  
LIU X., YANG P. P., LIU J., LIU B. R., HU S. M., KURTANIDZE O. M., ZOLA S., KRAUS A., KRICHBAUM T. P., SU R. Z., et al.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.469, no.2, pp.2457-2463, 2017 (SCI-Expanded)
- XXI. **Absolute parameters of detached binaries in the southern sky - III: HO Tel**  
Surgit D., Erdem A., Engelbrecht C. A., van Heerden H. P., Manick R.  
NEW ASTRONOMY, vol.54, pp.109-114, 2017 (SCI-Expanded)
- XXII. **Absolute parameters of eclipsing binaries in Southern Hemisphere sky - II: QY Tel**  
Erdem A., Surgit D., Engelbrecht C. A., van Heerden H. P., Manick R.  
NEW ASTRONOMY, vol.49, pp.38-42, 2016 (SCI-Expanded)
- XXIII. **Photometric study of two beta Lyr-type binaries: DD Aqr and RR Lep**  
Erdem A., Ozturk O.  
NEW ASTRONOMY, vol.48, pp.33-41, 2016 (SCI-Expanded)
- XXIV. **Photometric analysis of the system Kepler-1**

- BUDDING E., RHODES M. D., PÜSKÜLLÜ Ç., Ji Y., ERDEM A., BANKS T.  
ASTROPHYSICS AND SPACE SCIENCE, vol.361, no.10, 2016 (SCI-Expanded)
- XXV. **Oscillating classical Algol-type binary XZ Aql**  
Soydugan F., Soydugan E., Aliçavuş F., Erdem A.  
NEW ASTRONOMY, vol.46, pp.40-46, 2016 (SCI-Expanded)
- XXVI. **PRIMARY BLACK HOLE SPIN IN OJ 287 AS DETERMINED BY THE GENERAL RELATIVITY CENTENARY FLARE**  
Valtonen M. J., Zola S., Ciprini S., Gopakumar A., Matsumoto K., Sadakane K., Kidger M., Gazeas K., Nilsson K., Berdyugin A., et al.  
ASTROPHYSICAL JOURNAL LETTERS, vol.819, no.2, 2016 (SCI-Expanded)
- XXVII. **Analysis of the exoplanet containing system Kepler-91**  
Budding E., PÜSKÜLLÜ Ç., Rhodes M. D., Demircan O., Erdem A.  
ASTROPHYSICS AND SPACE SCIENCE, vol.361, no.1, 2016 (SCI-Expanded)
- XXVIII. **Absolute Parameters of Detached Binaries in the Southern Sky - I: V349 Ara and V4403 Sgr**  
ERDEM A., SÜRGİT D., ENGELBRECHT C. A., VAN HEERDEN H. P.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.32, 2015 (SCI-Expanded)
- XXIX. **Absolute parameters of southern eclipsing binary: MW Pup**  
SÜRGİT D., ERDEM A., ENGELBRECHT C. A.  
NEW ASTRONOMY, vol.35, pp.32-35, 2015 (SCI-Expanded)
- XXX. **NR Peg: A new highly active semi-detached binary**  
ERDEM A., SÜRGİT D., KURPINSKA-WINIARSKA M., OBLAK E.  
NEW ASTRONOMY, vol.33, pp.38-43, 2014 (SCI-Expanded)
- XXXI. **Non-conservative mass transfers in Algols**  
ERDEM A., ÖZTÜRK O.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.441, no.2, pp.1166-1176, 2014 (SCI-Expanded)
- XXXII. **Neglected reverse Algol system: WZ Hor**  
SÜRGİT D., ERDEM A.  
NEW ASTRONOMY, vol.17, no.3, pp.336-340, 2012 (SCI-Expanded)
- XXXIII. **Early-type W UMa contact binary system: New data on V535 Ara**  
ÖZKARDEŞ B., Erdem A.  
NEW ASTRONOMY, vol.17, no.2, pp.143-148, 2012 (SCI-Expanded)
- XXXIV. **The detached eclipsing binary TX Her revisited**  
Erdem A., Aliçavuş F., Soydugan F., Dogru S. S., Soydugan F., Çiçek C., Demircan O.  
NEW ASTRONOMY, vol.16, no.8, pp.498-502, 2011 (SCI-Expanded)
- XXXV. **Period studies of classical Algol-type binaries II: UX Leo, RW Mon, EQ Ori, XZ UMa and AX Vul**  
Soydugan F., Erdem A., Doğru S. S., Aliçavuş F., Soydugan F., Çiçek C., Demircan O.  
NEW ASTRONOMY, vol.16, pp.253-264, 2011 (SCI-Expanded)
- XXXVI. **The near-contact binary star RZ Dra revisited**  
ERDEM A., ZOLA S., WINIARSKI M.  
NEW ASTRONOMY, vol.16, no.1, pp.6-11, 2011 (SCI-Expanded)
- XXXVII. **Period studies of five neglected Algol-type binaries: RW Cet, BO Gem, DG Lac, SW Oph and WY Per**  
ERDEM A., Dogru S. S., SOYDUGAN F., ÇİÇEK C., Demircan O.  
NEW ASTRONOMY, vol.15, no.7, pp.628-636, 2010 (SCI-Expanded)
- XXXVIII. **The Algol binary system KZ Pavonis revisited**  
SÜRGİT D., ERDEM A., BUDDING E.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.407, no.1, pp.497-506, 2010 (SCI-Expanded)
- XXXIX. **Absolute parameters of young stars - II. V831 Centauri**  
BUDDING E., ERDEM A., Inlek G., DEMİRCAN O.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.403, no.3, pp.1448-1456, 2010 (SCI-Expanded)
- XL. **Absolute parameters of the newly-identified contact binary star IS Canis Major**  
ÖZKARDEŞ B., ERDEM A.

- NEW ASTRONOMY, vol.15, no.2, pp.247-253, 2010 (SCI-Expanded)
- XLII. **The CCD photometric study of the newly identified RS CVn binary star V1034 Hercules**  
Dogru D., ERDEM A., DOGRU S. S.  
NEW ASTRONOMY, vol.14, no.8, pp.711-715, 2009 (SCI-Expanded)
- XLIII. **The 2006/2007 photometric activity of three chromospherically active stars: V2075 Cyg, FG UMa and BM CVn**  
Erdem A., Budding E., Soydugan F., Bakis H., Dogru D., Doğru S. S., Tüysüz M., Kacar Y., Dönmez A., Soydugan F.  
NEW ASTRONOMY, vol.14, no.6, pp.545-555, 2009 (SCI-Expanded)
- XLIV. **The chromospherically active binary CF Tuc revisited**  
Dogru D., ERDEM A., DOĞRU S. S., ZOLA S.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.397, no.3, pp.1647-1660, 2009 (SCI-Expanded)
- XLV. **A W UMa type system from Southern Hemisphere: CN Hydri**  
ÖZKARDEŞ B., ERDEM A., BAKIS V.  
NEW ASTRONOMY, vol.14, no.5, pp.461-466, 2009 (SCI-Expanded)
- XLVI. **Recent observations of AB Dor and interpretation**  
BUDDING E., ERDEM A., INNIS J. L., OLAH K., SLEE O. B.  
ASTRONOMISCHE NACHRICHTEN, vol.330, no.4, pp.358-365, 2009 (SCI-Expanded)
- XLVII. **Photometric analysis of the contact binary star V842 Hercules on the basis of seasonal light curves**  
ERDEM A., ÖZKARDEŞ B.  
NEW ASTRONOMY, vol.14, no.3, pp.321-329, 2009 (SCI-Expanded)
- XLVIII. **Photometry of three chromospherically active stars: V340 Gem, SAO 62042 and FI Cnc**  
Erdem A., Budding E., Soydugan F., Soydugan F., Doğru S. S., Dogru D., Tüysüz M., Dönmez A., Bakis H., Kacar Y., et al.  
NEW ASTRONOMY, vol.14, no.2, pp.109-120, 2009 (SCI-Expanded)
- XLIX. **Results of WEBT, VLBA and RXTE monitoring of 3C 279 during 2006-2007**  
LARIONOV V. M., JORSTAD S. G., Marscher A. P., RAITERI C. M., VILLATA M., AGUDO I., ALLER M. F., ARKHAROV A. A., ASFANDIYAROV I. M., BACH U., et al.  
ASTRONOMY & ASTROPHYSICS, vol.492, no.2, pp.389-400, 2008 (SCI-Expanded)
- L. **A catalogue of chromospherically active binary stars (third edition)**  
Eker Z., Filiz Ak N., Bilir S., Dogru D., Tüysüz M., Soydugan F., Bakış H., Uğraş B., Soydugan F., Erdem A., et al.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.389, no.4, pp.1722-1726, 2008 (SCI-Expanded)
- LI. **First period analyses of five neglected Algol-type eclipsing binaries: TT And, V342 Aql, RW Cap, BZ Cas and TW Lac**  
Erdem A., Soydugan F., Dogru S. S., Özkardes B., Dogru D., Tüysüz M., Demircan O.  
NEW ASTRONOMY, vol.12, no.8, pp.613-621, 2007 (SCI-Expanded)
- LII. **Orbital period variations of four Algol-type eclipsing binaries: SW Cyg, UU Leo, XX Cep and BO Vul**  
Erdem A., Dogru S. S., BAKIS V., Demircan O.  
ASTRONOMISCHE NACHRICHTEN, vol.328, no.6, pp.543-550, 2007 (SCI-Expanded)
- LIII. **The first BVR light curves and period analysis of the eclipsing binary V821 Cas**  
Degirmenci O. L., Bozkurt Z., Yakut K., Demircan O., Erdem A., ÇİÇEK C., Bulut I., SOYDUGAN F., SOYDUGAN F., ESENOĞLU H. H.  
NEW ASTRONOMY, vol.12, no.4, pp.322-326, 2007 (SCI-Expanded)
- LIV. **Photometric analysis of the contact binary star V829 Hercules using light curves on three consecutive years**  
Erdem A., Ozkardes B.  
NEW ASTRONOMY, vol.12, no.3, pp.192-200, 2006 (SCI-Expanded)
- LIV. **Analysis of delta Librae including Hipparcos astrometry**  
BAKIS V., BUDDING E., Erdem A., BAKIS H., Demircan O., HADRAVA P.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.370, no.4, pp.1935-1945, 2006 (SCI-Expanded)
- LV. **First ground-based photometry and light-curve analysis of the eccentric eclipsing binary V744 Cas**  
Bulut I., ÇİÇEK C., Erdem A., BAKIS V., Demircan O., DEGIRMENCI O. L.

- ASTRONOMISCHE NACHRICHTEN, vol.327, no.9, pp.912-916, 2006 (SCI-Expanded)
- LVI. **Photometric study of the active binary star V1430 Aquilae**  
ERDEM A., Surgit D.  
ASTRONOMISCHE NACHRICHTEN, vol.327, no.4, pp.335-339, 2006 (SCI-Expanded)
- LVII. **Photometric study of the binary system V397 cephei**  
Bulut I., Demircan O., Budding E., Erdem A., ÇİÇEK C., ESENOĞLU H. H., SOYDUGAN F., SOYDUGAN F., Değirmenci Ö. L., Bozkurt Z., et al.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN, vol.57, no.2, pp.335-339, 2005 (SCI-Expanded)
- LVIII. **The close binary system EG cephei**  
Erdem A., BUDDING E., Demircan O., DEGIRMENCI O., GULMEN O., SEZER C.  
ASTRONOMISCHE NACHRICHTEN, vol.326, no.5, pp.332-337, 2005 (SCI-Expanded)
- LIX. **A near-contact binary: CN Andromedae**  
ÇİÇEK C., Erdem A., SOYDUGAN F.  
ASTRONOMISCHE NACHRICHTEN, vol.326, no.2, pp.127-133, 2005 (SCI-Expanded)
- LX. **A new photometric study of CW Cephei and its apsidal motion**  
Erdem A., SOYDUGAN F., SOYDUGAN F., Özdemir S., ÇİÇEK C., Bulut I., Demircan O., Budding E.  
ASTRONOMISCHE NACHRICHTEN, vol.325, no.4, pp.336-342, 2004 (SCI-Expanded)
- LXI. **Photometric solution of the eclipsing binary system EF Bootis**  
OZDEMIR S., Demircan O., ÇİÇEK C., Erdem A.  
ASTRONOMISCHE NACHRICHTEN, vol.325, no.4, pp.332-335, 2004 (SCI-Expanded)
- LXII. **A photometric study of the recently discovered eclipsing binary V899 Herculis**  
Özdemir S., Demircan O., Erdem A., Çiçek C., Bulut İ., SOYDUGAN F., SOYDUGAN F.  
ASTRONOMY & ASTROPHYSICS, vol.387, no.1, pp.240-243, 2002 (SCI-Expanded)
- LXIII. **Third body problem in the eclipsing binary star TV Cassiopeia**  
Erdem A.  
CELESTIAL MECHANICS & DYNAMICAL ASTRONOMY, vol.82, no.2, pp.133-141, 2002 (SCI-Expanded)
- LXIV. **The light and period changes of RT Andromedae**  
Erdem A., Demircan O., Gure M.  
ASTRONOMY & ASTROPHYSICS, vol.379, no.3, pp.878-883, 2001 (SCI-Expanded)
- LXV. **A photometric study of the near contact binary star GK Cep**  
Erdem A.  
ASTRONOMISCHE NACHRICHTEN, vol.322, no.4, pp.233-239, 2001 (SCI-Expanded)
- LXVI. **Photometric analysis of the eclipsing binary star AI Draconis**  
DEGIRMENCI O., GULMEN O., SEZER C., Erdem A., DEVLLEN A.  
ASTRONOMY & ASTROPHYSICS, vol.363, no.1, pp.244-252, 2000 (SCI-Expanded)
- LXVII. **The early type contact binary system V 382 Cygni**  
DEGIRMENCI O., SEZER C., Demircan O., Erdem A., OZDEMIR S., AK H., ALBAYRAK B.  
ASTRONOMY & ASTROPHYSICS SUPPLEMENT SERIES, vol.134, no.2, pp.327-331, 1999 (SCI-Expanded)
- LXVIII. **The orbital period study and photometric analysis of XY Ursae Majoris**  
Erdem A., GUDUR N.  
ASTRONOMY & ASTROPHYSICS SUPPLEMENT SERIES, vol.127, no.2, pp.257-267, 1998 (SCI-Expanded)
- LXIX. **A model of the early type binary system BF Aurigae**  
Demircan O., OZDEMIR S., ALBAYRAK B., AK H., TANRIVER M., DEGIRMENCI O., Erdem A., SEZER C.  
REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, vol.33, no.2, pp.131-135, 1997 (SCI-Expanded)
- LXX. **Photometric analysis of the eclipsing binary V1425 Cygni**  
DEGIRMENCI O., GULMEN O., SEZER C., GUDUR N., Erdem A.  
ASTROPHYSICS AND SPACE SCIENCE, vol.241, no.2, pp.327-332, 1996 (SCI-Expanded)

## Articles Published in Other Journals

- I. **PHOTOMETRIC AND SPECTROSCOPIC STUDY OF PU PUP**  
Budding E., Erdem A., Sürgit D., Özkardeş B., Demircan O.  
Journal on Occultation and Eclipse (JOE), pp.40-45, 2019 (Peer-Reviewed Journal)
- II. **Polarization and Spectral Energy Distribution in OJ 287 during the 2016/17 Outbursts**  
Valtonen M., Zola S., Jermak H., Ciprini S., Hudec R., Dey L., Gopakumar A., Reichart D. L., Caton D. B., Gazeas K., et al.  
GALAXIES, vol.5, no.4, 2017 (ESCI)
- III. **A Search for QPOs in the Blazar OJ287: Preliminary Results from the 2015/2016 Observing Campaign**  
Zola S., Valtonen M., Bhatta G., Goyal A., Debski B., Baran A., Krzesinski J., Siwak M., Ciprini S., Gopakumar A., et al.  
GALAXIES, vol.4, no.4, 2016 (ESCI)
- IV. **Period Study of V1095 Her and V1101 Her**  
Öztürk O., Erdem A., Aliçavuş F.  
ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.2, no.1, pp.68-83, 2016 (Peer-Reviewed Journal)
- V. **Period Changes in Two Contact Binaries AH Tau and FZ Ori**  
ÇİÇEK C., BULUT İ., BULUT A., ERDEM A.  
Balkan Physics Letters, no.20, pp.280-285, 2012 (Peer-Reviewed Journal)
- VI. **Light Time Effect and Apsidal Motion of Two Eclipsing Binaries AO Vel and CW Cep**  
BULUT A., BULUT İ., ÇİÇEK C., ERDEM A.  
Balkan Physics Letters, no.19, pp.283-288, 2011 (Peer-Reviewed Journal)
- VII. **CCD times of minima of some eclipsing variables**  
DOĞRU S. S., ERDEM A., ALIÇAVUŞ F., Akin T., Kanvermez C.  
Information Bulletin on Variable Stars, vol.60, no.5988, 2011 (Scopus)
- VIII. **Apsidal Motion in Eclipsing Binaries V477 Cyg and V451 Oph**  
ÇİÇEK C., BULUT A., BULUT İ., ERDEM A.  
Balkan Physics Letters, no.18, pp.325-329, 2010 (Peer-Reviewed Journal)
- IX. **New times of minima of some Eclipsing Binary Stars**  
ERKAN N., ERDEM A., Akin T., ALIÇAVUŞ F., SOYDUGAN F.  
Information Bulletin on Variable Stars, vol.60, no.5924, 2010 (Scopus)
- X. **New Times of Minima of Some Eclipsing Binary Stars**  
Doğru S. S., Erdem A., Dönmez A., Bulut A., Akin T., Dogru D., Çiçek C., Soydugan F.  
INFORMATION BULLETIN ON VARIABLE STARS, no.5893, pp.1-3, 2009 (Scopus)
- XI. **New Times of Minima of Some Eclipsing Binary Stars**  
Bakiş V., Doğru S. S., Bakiş H., Dogru D., Erdem A., Çiçek C., Demircan O.  
INFORMATION BULLETIN ON VARIABLE STARS, no.5662, pp.1-3, 2005 (Scopus)
- XII. **New Times of Minima of Eclipsing Binary Stars**  
Bakiş V., Bakiş H., Tüysüz M., Özkardeş B., Erdem A., Çiçek C., Demircan O.  
Information Bulletin on Variable Stars, vol.5616, pp.1, 2005 (Scopus)
- XIII. **New Times of Minima of Some Selected Eclipsing Binary Systems**  
BAKIŞ V., BAKIŞ H., ERDEM A., ÇİÇEK C., DEMİRCAN O., BUDDING E.  
Information Bulletin on Variable Stars, no.5464, 2003 (Scopus)

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

- I. **The First Spectroscopic Observations of TYC 8726-1088-1**  
SÜRGİT D., ERDEM A., ENGELBRECHT C. A.  
38th INTERNATIONAL PHYSICS CONGRESS (TPS38), Muğla, Turkey, 31 August 2022, vol.4, pp.108-111
- II. **Analysis of TESS Observations of Two Algol Type Binary Stars: GI Cep and V746 Cep**  
Gözütok M. İ., Erdem A.  
Turkish Physical Society 36th International Physics Congress, Muğla, Turkey, 1 - 05 September 2020, vol.2, no.5,

pp.91-95

- III. **The First Spectroscopic Solutions of Two Southern Eclipsing Binary Stars: VW Ret and FW Vel**  
SÜRGİT D., ERDEM A., ENGELBRECHT C. A.  
36th INTERNATIONAL PHYSICS CONGRESS (TPS36), BODRUM, Turkey, 01 September 2020, vol.2, pp.120-123
- IV. **The First Orbital Solutions of Two Eccentric Eclipsing Binary Stars From Southern: V881 Sco and GV Nor**  
SÜRGİT D., ERDEM A., ENGELBRECHT C. A.  
Turkish Physical Society 35th International Physics Congress, MUĞLA, TÜRKİYE, 4-8 Eylül 2019, Muğla, Turkey, 4 - 08 September 2019, vol.1, pp.157-160
- V. **Güney Yarımküre'den V4396 Sgr ve BK Ind Ayrık Çift Yıldızlarının Tayfsal Gözlemleri**  
APAK B., SÜRGİT D., ERDEM A., ENGELBRECHT C.  
21. Ulusal Astronomi Kongresi, 10. Ulusal Astronomi Öğrenci Kongresi, 3-7 Eylül 2018, Kayseri, Turkey, 3 - 07 September 2018
- VI. **Limb Darkening Effect on Transit Light Curves of HAT-P-32b**  
Cuha H., Erdem A.  
33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935
- VII. **On the Classification of Exoplanets according to Safronov Number**  
Ozturk O., Erdem A.  
33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935
- VIII. **Re-examining the Light Curves of Kepler-6b, Kepler-8b and Kepler-40b**  
Ozturk O., Erdem A.  
34th International Physics Congress (IPS) of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- IX. **New Photometric Observations of HAT-P-25b and WASP-11b/HAT-P-10b**  
ERDEM A., ÖZTÜRK O.  
34th International Physics Congress of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- X. **Statistical examination of Orbital Elements affecting Radial Velocity Semi-Amplitude of Host Star in Star-Planet Systems**  
Ozturk O., Erdem A.  
33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935
- XI. **Orbital Periods of Two Algol-Type Binaries: AV Cep and GI Cep**  
APAK B., ERDEM A., ÖZTÜRK O., GÖZÜTOK M. İ., SÜRGİT D.  
34th International Physics Congress of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- XII. **Light-Time Effect in Two Eclipsing Binaries: NO Vul and EW Lyr**  
Bulut A., Bulut I., Cicek C., Erdem A.  
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- XIII. **First Photometric is Study of Two Southern Eclipsing Binaries IS Tel and DW Aps**  
Özer S., Surgit D., Erdem A., Ozturk O.  
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- XIV. **Effect of Planetary Mass on the Orbit of Star-Planet Systems**  
Ozturk O., Erdem A.  
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- XV. **Geçiş Eğrileri Analizleri için Yeni bir Yazılım: WinFitter ve Uygulamaları**



PÜSKÜLLÜ Ç., SOYDUGAN F., ERDEM A., BUDDING E.

XIV. Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015, vol.1, no.1, pp.100

- XVI. **Collaborative Studies of Southern Close Binary Systems**  
Budding E., Blackford M., Butland R., Demircan O., Erdem A., Idaczyk R., Ozkardes B., Richards T., Surgit D.  
Conference on Living Together: Planets, Host Stars and Binaries, Litomysl, Czech Republic, 8 - 12 September 2014, vol.496, pp.312-314
- XVII. **First Spectroscopic Solutions of Two Southern Eclipsing Binaries: HO Tel and QY Tel**  
Surgit D., Erdem A., Engelbrecht C. A., van Heerden P., Manick R.  
Conference on Living Together: Planets, Host Stars and Binaries, Litomysl, Czech Republic, 8 - 12 September 2014, vol.496, pp.258-259
- XVIII. **Photometric Study of Hot Jupiters: WASP-10 b and HAT-P-36 b**  
PÜSKÜLLÜ Ç., SOYDUGAN F., Erdem A., Budding E., SOYDUGAN F., Tuysuz M., Rhodes M., Demircan O.  
Conference on Living Together: Planets, Host Stars and Binaries, Litomysl, Czech Republic, 8 - 12 September 2014, vol.496, pp.356-357
- XIX. **New Spectroscopic Solution of the Eclipsing Binary HX Vel A**  
SÜRGİT D., ERDEM A., ÖZKARDEŞ B., Butland R., Budding E.  
Conference on Living Together: Planets, Host Stars and Binaries, Litomysl, Czech Republic, 8 - 12 September 2014, vol.496, pp.260-261
- XX. **First Spectroscopic Study of the Southern Eclipsing Binary V454 Carina**  
Ozkardes B., Erdem A., Surgit D., Butland R., Budding E.  
Conference on Living Together: Planets, Host Stars and Binaries, Litomysl, Czech Republic, 8 - 12 September 2014, vol.496, pp.187-188
- XXI. **Analysis of Exoplanet Light Curves**  
Erdem A., Budding E., Rhodes M. D., PÜSKÜLLÜ Ç., SOYDUGAN F., SOYDUGAN F., Tuysuz M., Demircan O.  
Conference on Living Together: Planets, Host Stars and Binaries, Litomysl, Czech Republic, 8 - 12 September 2014, vol.496, pp.365-369
- XXII. **O-C Analysis of Selected 3-Body Systems**  
OGLOZA W., KREINER J. M., Stachowski G., Winiarski M., Zakrzewski B., DOĞRU S. S., ALIÇAVUŞ F., DEMİRCAN O., ERDEM A.  
282nd Symposium of the International-Astronomical-Union, Tatranska Lomnica, Slovakia, 18 - 22 July 2011, pp.85-86
- XXIII. **Spectroscopic Study of the Early-Type Binary HX Vel A**  
ÖZKARDEŞ B., SÜRGİT D., ERDEM A., Budding E., SOYDUGAN F., Demircan O.  
282nd Symposium of the International-Astronomical-Union, Tatranska Lomnica, Slovakia, 18 - 22 July 2011, pp.67-68
- XXIV. **Çoklu Sistem KZ Pav'ın Dönem Analizi ve Astrometrik Çözümü**  
SÜRGİT D., ERDEM A.  
Güneş ve Güneş Benzeri Yıldızlar Sempozyumu", (11 Haziran 2010, İstanbul Üniversitesi, Poster), İstanbul, Haziran 2010, İstanbul, Turkey, 11 June 2010, pp.169-175
- XXV. **Bir Kromosferik Aktif Çift Yıldız: CF Tuc**  
ERDEM A., SÜRGİT D.  
Güneş ve Güneş Benzeri Yıldızlar Sempozyumu", (11 Haziran 2010, İstanbul Üniversitesi, Sözlü Bildiri), İstanbul, Haziran 2010, İstanbul, Turkey, 11 June 2010, pp.85-109
- XXVI. **Çok Bileşenli bir Sistem:KZ Pav**  
Sürgit D., Erdem A., Budding E.  
XVII. Ulusal Astronomi Kongresi, VI. Ulusal Öğrenci Astronomi Kongresi, 31 Ağustos-4 Eylül 2010, ADANA, Adana, Ağustos 2010, Adana, Turkey, 31 August - 04 September 2010, pp.93-94
- XXVII. **AB Dor**  
ERKAN N., Budding E., ERDEM A.  
Güneş ve Güneş Benzeri Yıldızlar Sempozyumu, İstanbul, Turkey, 11 June 2010
- XXVIII. **High Energy Process In Cool Stars**

CICEK C., ERDEM A., ERKAN N., BUDDING E., SOYDUGAN F.

Jerusalem Winter School (Frontiers In High Energy Physics), Israel, 27 December 2009 - 05 January 2010

**XXIX. Cool Active Binaries Recently Studied in the CAAM Stellar Program**

Çiçek C., Erdem A., Soydugan F., Dogru D., Özkardeş B., Erkan N., Budding E., Demircan O.

International Conference on Binaries - Key to the Comprehension of the Universe, Brno, Czech Republic, 8 - 12

June 2009, vol.435, pp.307-310

**XXX. Değen Çift Sistem FU Draconis in Işık Eğrisi Çözümlemesi**

ERKAN N., ERDEM A., ÇİÇEK C.

XVI. Ulusal Astronomi Kongresi ve V. Ulusal Öğrenci Astrofizik Kongresi, Çanakkale, Turkey, 8 - 12 September 2008

**XXXI. Renkküre Kökenli Çizgi Kesiti Fiti ve Plaj Modeli**

ERDEM A., BUDDING E., SOYDUGAN F., BAKIŞ V., BAKIŞ H., ÖZKARDEŞ B., DOĞRU D.

XVI. Ulusal Astronomi Kongresi, V. Ulusal Öğrenci Astronomi Kongresi, 8-12 Eylül 2008, ÇANAKKALE, , Eylül 2008,

Çanakkale, Turkey, 8 - 12 September 2008, pp.825-836

**XXXII. RS CVn TÜRÜ ÇİFT YILDIZLAR V2075 Cyg ve FG Uma'NIN ÇOK RENK IŞIK ÖLÇÜMÜ**

ÇİÇEK C., ERDEM A., BAKIŞ H., SOYDUGAN E., DOĞRU D., TÜYSÜZ M., KAÇAR CANAYDIN Y., dönmez A., SOYDUGAN F., DOĞRU S. S.

XVI. Ulusal Astronomi Kongresi, V. Ulusal Öğrenci Astronomi Kongresi, 8-12 Eylül 2008, ÇANAKKALE, , Eylül 2008,

Çanakkale, Turkey, 8 - 12 September 2008, pp.285-298

**XXXIII. Güney Yarımküre'den Bir Aktif Yıldız: CF Tuc**

Doğru D., Erdem A.

XVI. Ulusal Astronomi Kongresi, V. Ulusal Öğrenci Astronomi Kongresi, 8-12 Eylül 2008, ÇANAKKALE, Çanakkale,

Eylül 2008, Çanakkale, Turkey, 8 - 12 September 2008, pp.268-284

**XXXIV. RS CVn Türü Örten Çift Yıldızlar Kataloğu**

DOĞRU D., ERDEM A., DEMİRCAN O.

XV. Ulusal Astronomi Kongresi, IV. Ulusal Öğrenci Astronomi Kongresi, 28 Ağustos-01 Eylül 2006, İSTANBUL),

İstanbul, Ağustos 2006, İstanbul, Turkey, 25 August - 01 September 2006, pp.275-292

**XXXV. Photometric analysis of the contact binary system V829 hercules**

ÖZKARDEŞ B., ERDEM A.

Workshop on Solar and Stellar Physics through Eclipses, Antalya, Turkey, 27 - 29 March 2006, vol.370, pp.237-238

**XXXVI. Discovery of new variable stars at the Canakkale Onsekiz Mart University Observatory**

Bakis V., Bakis H., DEMİRCAN O., Budding E., ERDEM A., ÇİÇEK C.

Workshop on Solar and Stellar Physics through Eclipses, Antalya, Turkey, 27 - 29 March 2006, vol.370, pp.251-252

**XXXVII. The Active Binary Star V1430 Aquila**

SÜRGİT D., ERDEM A.

23. rd International Physics Congress, 13-16 September 2005, Muğla University, Muğla (özet bildiri), Muğla, Eylül

2005, Muğla, Turkey, 13 - 16 September 2005, pp.359

**XXXVIII. Bianchi Tipi III Uzay-Zamanda Isı Akılı String (Sicim) Kozmolojinin Bazı Exact Çözümleri**

YAVUZ İ., YILMAZ İ., TARHAN İ., BAYSAL H., CAMCI U., ERDEM A., DEMİR R.

II. Spil Fen Bilimleri Kongresi, Manisa, Turkey, 23 - 25 October 1997, vol.2, pp.113-119

## Supported Projects

SÜRGİT D., ENGELBRECHT C. A., ERDEM A., Project Supported by Higher Education Institutions, Seçilmiş Bazı Ayrık Çift Yıldızların Tayfsal ve Fotometrik Çalışması, 2018 - 2018

ERDEM A., ÇİÇEK C., DEMİRCAN O., Project Supported by Higher Education Institutions, Eksen Dönmesi Gösteren CW Cephei'nin fotometrik analizi, 2002 - 2006

DEMİRCAN O., ERDEM A., SOYDUGAN F., ÇİÇEK C., BULUT İ., TOYDEMİR E., ALLAHVERDİ A., Project Supported by Higher Education Institutions, Manyetik Aktivite Gösteren Güneş Türü Birkaç Örten Çift Yıldızın Yörünge Dönemi analizi, 2000 - 2001

## **Metrics**

Publication: 201

Citation (WoS): 889

Citation (Scopus): 921

H-Index (WoS): 14

H-Index (Scopus): 16