

Prof. ZEKİ EKER

Personal Information

Office Phone: [+90 242 310 2257](tel:+902423102257)

Email: eker@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/eker>

International Researcher IDs

ORCID: 0000-0003-1883-6255

Publons / Web Of Science ResearcherID: C-8795-2016

Yoksis Researcher ID: 8925

Education Information

Doctorate, University of Wisconsin - Madison, Department Of Astronomy, United States Of America 1980 - 1985

Undergraduate, Istanbul University, Faculty Of Science, Astronomi, Turkey 1974 - 1978

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, High Resolution H α and Natural Metal Line Studies of RS CVn Stars (, University of Wisconsin - Madison, College Of Sciences, Department Of Astronomy, 1985

Research Areas

Physics, Astronomy and Astrophysics, Sun and Solar Systems, Astronomy and Astrophysics: Instrumentation Techniques and Observations, Star Systems, Interstellar Medium, The Galaxy, Galactic and Extragalactic Objects and Systems, Cosmology, Stars, Natural Sciences

Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Science, Department of Space Sciences and Technologies, 2012 - Continues

Professor, Canakkale Onsekiz Mart University, Fen-Edebiyat Fakültesi, Fizik, 2005 - 2009

Professor, King Saud University, Science Faculty, Department Of Astronomy, 2004 - 2004

Associate Professor, King Saud University, Science Faculty, Department Of Astronomy, 1995 - 2004

Assistant Professor, King Saud University, Science Faculty, Department Of Astronomy, 1989 - 1995

Advising Theses

EKER Z., Anadol Yıldızlarının Yarı-Empirik Etkin Sıcaklık Hesabında Metal Bolluğu Etkisi, Postgraduate,

M.Alpsoy(Student), 2017

EKER Z., Anakol Yıldızlarını Kütle Parlaklık Bağntısı ve Etkin Sıcaklık Duyarlılık Problemi, Postgraduate, G.Aslan(Student), 2016

EKER Z., Anakol yıldızlarının kütle parlaklık bağlantısı ve etkin sıcaklık duyarlılık problemi, Postgraduate, G.Aslan(Student), 2015

EKER Z., Algol Türü Örtlen Çift Yıldızlar IU Per ve AO Ser'in Işık Erisi Analizleri, Postgraduate, E.Koparan(Student), 2008

EKER Z., XMM-Newton Uydusu ile VW Hyi'nin X-Işın Veri analizi, Postgraduate, M.İğdi(Student), 2008

EKER Z., Aktif Kromosferli Çift Yıldızların İzokron yaşları, Postgraduate, N.Filiz(Student), 2006

Jury Memberships

Doctorate, Doktora tez savunma, Hikmet Çakmak, İstanbul Üniversitesi, May, 2017

Post Graduate, Yüksek Lisans Tez savunma Jurisi, Özlem Taşpına , Akdeniz Üniversitesi, July, 2016

Post Graduate, Yüksek Lisans Tez savunma Jurisi, Orhan Erece, Akdeniz Üniversitesi, December, 2015

Post Graduate, Yüksek Lisans Tez savunma Jurisi, Efecan Tunç, Akdeniz Üniversitesi, July, 2015

Post Graduate, Yüksek Lisans Tez savunma Jurisi, Doğan Tekay Köseoğlu, Akdeniz Üniversitesi, July, 2015

Doctorate, Doktora tez savunma, Asuman Gültekin, İstanbul Üniversitesi, November, 2010

Doctorate, Doktora tez savunma, Z. Funda Bostancı Güver, İstanbul Üniversitesi, January, 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Testing multiband (G, GBP, GRP, B, V, and TESS) standard bolometric corrections by recovering luminosity and radii of 341 host stars**
Eker Z., BAKIŞ V.
Monthly Notices of the Royal Astronomical Society, vol.523, no.2, pp.2440-2452, 2023 (SCI-Expanded)
- II. **A Silent Revolution in Fundamental Astrophysics**
EKER Z., SOYDUGAN F., BAKIŞ V., BİLİR S., Steer I.
Astronomical Journal, vol.164, no.5, 2022 (SCI-Expanded)
- III. **Orbital period changes in IO Cep, IM Cep and TX Ari: Path to masses of distant components**
BAKIŞ V., EKER Z., BAKIŞ H., Kayacı S., Yücel G., TUNÇ E., Taşpınar Ö., Yalçın Y., Melnik A., Esendağlı Ç.
New Astronomy, vol.93, 2022 (SCI-Expanded)
- IV. **Empirical bolometric correction coefficients for nearby main-sequence stars in the Gaia era**
EKER Z., SOYDUGAN F., BİLİR S., BAKIŞ V., ALIÇAVUŞ F., ÖZER Ş., ASLAN G. E., ALPSOY M., KOSE Y.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.496, no.3, pp.3887-3905, 2020 (SCI-Expanded)
- V. **ASAS census of twins**
BAKIŞ V., EKER Z., Sari O., Yücel G., Sonbas E.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.496, no.3, pp.2605-2612, 2020 (SCI-Expanded)
- VI. **Interrelated main-sequence mass-luminosity, mass-radius, and mass-effective temperature relations**
EKER Z., Bakis V., BİLİR S., Soydugan F., Steer I., Soydugan E., Bakis H., ALIÇAVUŞ F., Aslan G., Alpsoy M.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.479, no.4, pp.5491-5511, 2018 (SCI-Expanded)
- VII. **Dynamical analyses on the transitivity from JFC and Centaur regions to NEAs with Tisserand parameters from 2 to 3**
KAPLAN M., ERECE O., ASLAN G., EKER Z.
ADVANCES IN SPACE RESEARCH, vol.58, no.11, pp.2407-2415, 2016 (SCI-Expanded)
- VIII. **CCD UBV photometry and kinematics of the open cluster NGC 225**
BİLİR S., Bostanci Z. F., YONTAN T., GÜVER T., BAKIŞ V., AK T., AK S., PAUNZEN E., EKER Z.
ADVANCES IN SPACE RESEARCH, vol.58, no.9, pp.1900-1914, 2016 (SCI-Expanded)
- IX. **Study of Eclipsing Binary and Multiple Systems in OB Associations IV: Cas OB6 Member DN Cas**
BAKIŞ V., BAKIŞ H., BİLİR S., EKER Z.

PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.33, 2016 (SCI-Expanded)

- X. **Active binary R Arae revisited: Bringing the secondary component to light and physical modelling of the circumstellar material**
Bakis H., Bakis V., EKER Z., Demircan O.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.458, no.1, pp.508-516, 2016 (SCI-Expanded)
- XI. **Active Binary R Arae Revisited: Bringing the Secondary Component to Light and Physical Modeling of the Circumstellar Material**
BAKIŞ H., BAKIŞ V., EKER Z., Demircan O.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.1, pp.1-10, 2016 (SCI-Expanded)
- XII. **The Galactic kinematics of cataclysmic variables**
AK T., BİLİR S., ÖZDÖNMEZ A., SOYDUGAN F., SOYDUGAN E., PÜSKÜLLÜ Ç., AK S., EKER Z.
ASTROPHYSICS AND SPACE SCIENCE, vol.357, no.1, 2015 (SCI-Expanded)
- XIII. **MAIN-SEQUENCE EFFECTIVE TEMPERATURES FROM A REVISED MASS-LUMINOSITY RELATION BASED ON ACCURATE PROPERTIES**
EKER Z., SOYDUGAN F., SOYDUGAN E., BİLİR S., Gökçe E. Y., STEER I., TÜYSÜZ M., Senyüz T., DEMİRCAN O.
ASTRONOMICAL JOURNAL, vol.149, no.4, 2015 (SCI-Expanded)
- XIV. **The Catalogue of Stellar Parameters from the Detached Double-Lined Eclipsing Binaries in the Milky Way**
EKER Z., BİLİR S., SOYDUGAN F., Gökçe E. Y., SOYDUGAN E., TÜYSÜZ M., Senyüz T., DEMİRCAN O.
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.31, 2014 (SCI-Expanded)
- XV. **ROTATIONAL PROPERTIES OF THE MARIA ASTEROID FAMILY**
KIM M. -, CHOI Y. -, MOON H. -, BYUN Y. -, Brosch N., KAPLAN M., KAYNAR S., UYSAL Ö., Güzel E., BEHREND R., et al.
ASTRONOMICAL JOURNAL, vol.147, no.3, 2014 (SCI-Expanded)
- XVI. **Colour Transformations between BVRc and g ' r ' i ' Photometric Systems for Giant Stars**
AK S., AK T., Karaali S., BİLİR S., Güçtekin S. T., ÖNAL TAŞ Ö., Ozturkmen N. D., DURAN S., COŞKUNOĞLU B., YONTAN T., et al.
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.31, 2014 (SCI-Expanded)
- XVII. **Multi-Criteria Decision Analysis integrated with GIS and remote sensing for astronomical observatory site selection in Antalya province, Turkey**
KOC-SAN D., SAN B. T., BAKIŞ V., HELVACI M., EKER Z.
ADVANCES IN SPACE RESEARCH, vol.52, no.1, pp.39-51, 2013 (SCI-Expanded)
- XVIII. **Constraints on accretion column parameters for the intermediate polar LS Pegasi from the power spectrum of its optical light curve**
SEMENA A. N., REVNIVTSEV M. G., KHAMITOV I. M., BURENIN R. A., AK T., Eker Z., PAVLINSKY M. N.
ASTRONOMY LETTERS-A JOURNAL OF ASTRONOMY AND SPACE ASTROPHYSICS, vol.39, no.4, pp.227-236, 2013 (SCI-Expanded)
- XIX. **GSC 4019 3345: An A-Type Twin Binary**
BAKIŞ V., BAKIŞ H., EKER Z.
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.30, 2013 (SCI-Expanded)
- XX. **On the Eclipsing Cataclysmic Variable Star HBHA 4705-03**
RUTKOWSKI A., AK T., Marsh T. R., EKER Z.
ACTA ASTRONOMICA, vol.63, no.2, pp.225-238, 2013 (SCI-Expanded)
- XXI. **SDSS J162520.29+120308.7-a new SU Ursae Majoris star in the period gap**
OLECH A., de Miguel E., OTULAKOWSKA M., Thorstensen J. R., RUTKOWSKI A., NOVAK R., MASI G., RICHMOND M., STAELS B., LOWTHER S., et al.
ASTRONOMY & ASTROPHYSICS, vol.532, 2011 (SCI-Expanded)
- XXII. **Dwarf Nova V1040 Centauri and Variable Stars in its Vicinity**
RUTKOWSKI A., PIETRUKOWICZ P., OLECH A., AK T., ZLOCZEWSKI K., POLESKI R., Tappert C., EKER Z.
ACTA ASTRONOMICA, vol.61, no.4, pp.345-357, 2011 (SCI-Expanded)
- XXIII. **The age of cataclysmic variables: A kinematical study**
AK T., BİLİR S., AK S., COŞKUNOĞLU B., EKER Z.

- NEW ASTRONOMY, vol.15, no.6, pp.491-508, 2010 (SCI-Expanded)
- XXIV. **Aperiodic optical variability of intermediate polars - cataclysmic variables with truncated accretion disks**
 REVNIVTSEV M., BURENIN R., BIKMAEV I., KNIAZEV A., BUCKLEY D. A. H., PRETORIUS M. L., KHAMITOV I., AK T., Eker Z., MELNIKOV S., et al.
 ASTRONOMY & ASTROPHYSICS, vol.513, 2010 (SCI-Expanded)
- XXV. **The spectroscopic orbits of three double-lined eclipsing binaries: I. BG Ind, IM Mon, RS Sgr**
 Bakis V., Bakis H., BİLİR S., SOYDUGAN F., SOYDUGAN E., DEMİRCAN O., EKER Z., Yaz E., TÜYSÜZ M., Senyuz T.
 NEW ASTRONOMY, vol.15, no.1, pp.1-7, 2010 (SCI-Expanded)
- XXVI. **New absolute magnitude calibrations for W Ursa Majoris type binaries**
 Eker Z., BİLİR S., Yaz E., DEMİRCAN O., Helvacı M.
 ASTRONOMISCHE NACHRICHTEN, vol.330, no.1, pp.68-76, 2009 (SCI-Expanded)
- XXVII. **A catalogue of chromospherically active binary stars (third edition)**
 Eker Z., FİLİZ AK N., BİLİR S., Dogru D., Tueysuez M., SOYDUGAN E., Bakis H., Ugras B., SOYDUGAN F., ERDEM A., et al.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.389, no.4, pp.1722-1726, 2008 (SCI-Expanded)
- XXVIII. **New absolute magnitude calibrations for detached binaries**
 BİLİR S., AK T., SOYDUGAN E., SOYDUGAN F., Yaz E., FİLİZ AK N., EKER Z., Demircan O., Helvacı M.
 ASTRONOMISCHE NACHRICHTEN, vol.329, no.8, pp.835-844, 2008 (SCI-Expanded)
- XXIX. **Formation and evolution of W Ursa Majoris stars: fallacies and corrections**
 EKER Z., DEMİRCAN O., BİLİR S.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.386, no.3, pp.1756-1758, 2008 (SCI-Expanded)
- XXX. **Spatial distribution and galactic model parameters of cataclysmic variables**
 AK T., BİLİR S., AK S., EKER Z.
 NEW ASTRONOMY, vol.13, no.3, pp.133-143, 2008 (SCI-Expanded)
- XXXI. **The early-type semidetached binary system V716 Centaurus**
 Bakis H., BAKIS V., DEMİRCAN O., Eker Z.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.385, no.1, pp.381-390, 2008 (SCI-Expanded)
- XXXII. **Absolute dimensions and apsidal motion of the eccentric binary PT Velorum**
 Bakis V., BAKIŞ H., DEMİRCAN O., EKER Z.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.384, no.4, pp.1657-1667, 2008 (SCI-Expanded)
- XXXIII. **eta Muscae: a young detached binary with two identical components**
 Bakis V., Bakis H., Eker Z., Demircan O.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.382, no.2, pp.609-620, 2007 (SCI-Expanded)
- XXXIV. **Dynamical evolution of active detached binaries on the log J(o)-log M diagram and contact binary formation**
 Eker Z., DEMİRCAN O., BİLİR S., KARATAS Y.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.373, no.4, pp.1483-1494, 2006 (SCI-Expanded)
- XXXV. **Mass loss and orbital period decrease in detached chromospherically active binaries**
 DEMİRCAN O., Eker Z., KARATAS Y., BİLİR S.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.366, no.4, pp.1511-1519, 2006 (SCI-Expanded)
- XXXVI. **Kinematics of W Ursae Majoris type binaries and evidence of the two types of formation**
 BİLİR S., KARATAS Y., DEMİRCAN O., Eker Z.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.357, no.2, pp.497-517, 2005 (SCI-Expanded)
- XXXVII. **Kinematics of chromospherically active binaries and evidence of an orbital period decrease in binary evolution**
 KARATAS Y., BİLİR S., Eker Z., DEMİRCAN O.
 MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.349, no.3, pp.1069-1092, 2004 (SCI-Expanded)
- XXXVIII. **Deriving effective sunspot temperatures from SOHO/VIRGO irradiance measurements? A starspot modelling approach**
 Eker Z., BRANDT P., HANSLMEIER A., OTRUBA W., WEHRLI C.

- ASTRONOMY & ASTROPHYSICS, vol.404, no.3, pp.1107-1115, 2003 (SCI-Expanded)
- XXXIX. **Cloud models for solar faculae**
Eker Z.
SOLAR PHYSICS, vol.212, no.2, pp.277-300, 2003 (SCI-Expanded)
- XL. **The uniqueness problem in starspot models; a critical review**
Eker Z.
NEW ASTRONOMY, vol.4, no.5, pp.365-376, 1999 (SCI-Expanded)
- XLI. **Reliability of light curves for photometric imaging**
Eker Z.
ASTROPHYSICAL JOURNAL, vol.512, no.1, pp.386-402, 1999 (SCI-Expanded)
- XLII. **Photometric imaging with distributive solar analogy - Applications to HUVIR**
Eker Z., AL-MALKI M.
ASTROPHYSICS AND SPACE SCIENCE, vol.262, no.4, pp.411-439, 1998 (SCI-Expanded)
- XLIII. **Synthetic light curves of spotted stars: Unique or not unique?**
Eker Z.
ASTROPHYSICAL JOURNAL, vol.473, no.1, pp.388-402, 1996 (SCI-Expanded)
- XLIV. **MULTIPLE STARSPOTS AND THE SOLAR ANALOGY - A NEW APPROACH AND APPLICATIONS TO HD-12545**
Eker Z.
ASTROPHYSICAL JOURNAL, vol.445, no.2, pp.526-536, 1995 (SCI-Expanded)
- XLV. **SPECTROSCOPIC AND PHOTOMETRIC-STUDY OF 12-BM CAMELOPARDALIS**
HALL D., FEKEL F., HENRY G., EATON J., BARKSDALE W., DADONAS V., EKER Z., KALV P., CHAMBLISS C., FRIED R., et al.
ASTRONOMICAL JOURNAL, vol.109, no.3, pp.1277-1288, 1995 (SCI-Expanded)
- XLVI. **H-ALPHA PROFILES OF 25 CHROMOSPHERICALLY ACTIVE BINARIES**
Eker Z., HALL D., ANDERSON C.
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.96, no.2, pp.581-603, 1995 (SCI-Expanded)
- XLVII. **MODELING LIGHT CURVES OF SPOTTED STARS**
Eker Z.
ASTROPHYSICAL JOURNAL, vol.420, no.1, pp.373-386, 1994 (SCI-Expanded)
- XLVIII. **KINEMATICS AND AGE OF RS CANUM-VENATICORUM AND BY DRACONIS STARS**
Eker Z.
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.79, no.2, pp.481-505, 1992 (SCI-Expanded)
- XLIX. **CHROMOSPHERICALLY ACTIVE BINARIES, KINEMATICS AND AGE CONNECTIONS**
Eker Z.
ASTROPHYSICS AND SPACE SCIENCE, vol.170, no.1-2, pp.161-171, 1990 (SCI-Expanded)
- L. **HIGH-RESOLUTION H-ALPHA SPECTROSCOPY OF THE BRIGHT RS-CVN SYSTEM HR-7275**
Eker Z.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.238, no.2, pp.675-688, 1989 (SCI-Expanded)
- LI. **PHOTOELECTRIC PHOTOMETRY OF THE ECLIPSING BINARY V1425-CYgni**
GUDUR N., GULMEN O., SEZER C., EKER Z., KESKIN V.
ASTROPHYSICS AND SPACE SCIENCE, vol.146, no.2, pp.283-297, 1988 (SCI-Expanded)
- LII. **A CATALOG OF CHROMOSPHERICALLY ACTIVE BINARY STARS**
STRASSMEIER K., HALL D., ZEILIK M., NELSON E., EKER Z., FEKEL F.
ASTRONOMY & ASTROPHYSICS SUPPLEMENT SERIES, vol.72, no.2, pp.291-345, 1988 (SCI-Expanded)
- LIII. **H-ALPHA REGION SPECTROSCOPY OF THE RS CVN SYSTEM HR-5110**
Eker Z., DOHERTY L.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.228, no.4, pp.869-881, 1987 (SCI-Expanded)
- LIV. **SPECTRAL-LINE VARIATIONS IN SIGMA GEMINORUM**
Eker Z.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.221, no.4, pp.947-960, 1986 (SCI-Expanded)

Articles Published in Other Journals

- I. **The international astrometric network for astrodynamical studies of asteroids: asteroid mass determination and physical properties of PHAs**
IVANTSOV A., Eggel S., Hestroffer D., Eker Z., Kaplan M., Erece O., Godunova V., Simon A., Vasylenko V.
Notes scientifiques et techniques de l'Institut de mécanique céleste, vol.S106, pp.103-106, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Evrin Görüşünün değerlendirilmesi-Tarih Boyunca Bilim ve Allah İnancı**
EKER Z.
in: BİLİMLERİN IŞIĞINDA YARATILIŞ, Prof.Dr. Adem Tatlı, Editor, T.C. Üsküdar Üniversitesi Yayınları-2, İstanbul, pp.512-532, 2015
- II. **Evrin Teorisinin Bilimsel Değeri-Bilimde Gelişmeler ve Pozitivizmin Yıkılışı**
EKER Z.
in: Bilimlerin Işığında Yaratılış, Tatlı Adem, Editor, T.C. Üsküdar Üniversitesi Yayınları-2, İstanbul, pp.552-558, 2015
- III. **Astronomy in Modern Turkey**
EKER Z., DEMİRCAN O., Halil K., Bilir S.
in: Organizations People and Strategies in Astronomy Volume 2, Andre Heck, Editor, vengeist, Duttlenheim, pp.195-216, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Performance of Akdeniz University Telescopes**
BAKIŞ V., IVANTSOV A., EKER Z., KAPLAN M., Yücel G., Aslan G., Dartıcı M. F.
Dynamics and Physics of Asteroids, TNOs and Natural Satellites in the New Era of Gaia Data, Antalya, Turkey, 4 - 06 September 2019
- II. **KEEP-North: Photometric observations of the Baptistina asteroid family**
Kim M. -, Moon H. -, Lee H., Park J. -, Erece O., Kaynar S., KAPLAN M., CHOI Y., EKER Z., Lee S., et al.
IAU Focus Meetings (GA) A Century of Asteroid Families, Vienna, Austria, 28 September - 29 August 2018, pp.110
- III. **First Astrometric Observations of Near-Earth Asteroids at the UBT60 Telescope of Akdeniz University**
IVANTSOV A., KAPLAN M., BAKIŞ V., EKER Z., TUNÇ E., ASLAN G.
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.204
- IV. **Atmospheric Seeing Measurements Using Observations at Different Telescopes in Antalya Region**
IVANTSOV A., BAKIŞ V., EKER Z., TUNÇ E.
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.197
- V. **Determining the Stellar Parameters of the ET CRU and LP ARA and Investigation of their Relationship with Nearby Stellar Associations**
BAKIŞ V., Yücel G., Nitschelm C., EKER Z., BAKIŞ H.
34. International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, pp.200
- VI. **First Astrometric Observations of Near-Earth Asteroids at the UBT60 Telescope of Akdeniz University**
IVANTSOV A., KAPLAN M., BAKIŞ V., EKER Z., TUNÇ E., ASLAN G.
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.204
- VII. **First Astrometric Observations of Near-Earth Asteroids at the UBT60 Telescope of Akdeniz University**
IVANTSOV A., KAPLAN M., BAKIŞ V., EKER Z., TUNÇ E., ASLAN G.

Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.204

- VIII. **Updated MS luminosity-radius-temperature-mass relations for solar neighborhood galactic disk stars**
EKER Z., Bilir S., BAKIŞ V., Soydugan F., Soydugan E., BAKIŞ H., Aslan G., Ali Çavuş F., Alpsoy M.
34. International Physics Congress, Muğla, Turkey, 4 - 09 September 2018, pp.200-210
- IX. **Updated MS luminosity-radius-temperature-mass relations for solar neighborhood galactic disk stars**
EKER Z., Bilir S., BAKIŞ V., Soydugan F., Soydugan E., BAKIŞ H., Aslan G., Ali Çavuş F., Alpsoy M.
34. International Physics Congress, Muğla, Turkey, 4 - 09 September 2018, pp.200-210
- X. **Updated MS luminosity-radius-temperature-mass relations for solar neighborhood galactic disk stars**
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34. International Physics Congress, Muğla, Turkey, 4 - 09 September 2018, pp.200-210
- XI. **A new pipeline for astrometry and photometry of asteroids**
Kılıç Y., KAPLAN M., Eker Z.
IAU Focus Meetings (GA) A Century of Asteroid Families, Vienna, Austria, 28 - 29 August 2018, pp.100
- XII. **Updated MS Luminosity-Radius-Temperature-Mass Relations for Solar Neighborhood Galactic Disk Stars**
EKER Z., BAKIŞ V., BİLİR S., SOYDUGAN F., Steer I., SOYDUGAN E., BAKIŞ H., ALİÇAVUŞ F., Aslan G., Alpsoy M.
34th International Physics Congress (IPS) of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- XIII. **Astrometry and Photometry in Sky Areas of Karin Asteroids Family Members**
EKER Z., Birlan M., KAPLAN M., Erece O., Aslan G., Popescu M., Nedelcu M. .
GAIA Follow-Up Network for the Solar System Objects, Paris, France, 24 - 26 November 2014, vol.3, pp.81-84
- XIV. **Seçilen Bazı Algol Türü Çift Sistemlerde Toplanma Yapılarının Modellenmesi**
BAKIŞ H., TAŞPINAR Ö., BAKIŞ V., EKER Z.
19. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015, pp.1-5
- XV. **Yakın Çift Yıldız Sistemi: HH Car**
KÖSEOĞLU D. T., BAKIŞ H., BAKIŞ V., EKER Z.
19. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015, pp.1-5
- XVI. **Effective Temperatures of Selected Main-Sequence Stars with the Most Accurate Parameters**
SOYDUGAN F., EKER Z., SOYDUGAN E., BİLİR S., Gökçe E. Y., STEER I., TÜYSÜZ M., Senyuz T., DEMİRCAN O.
Conference on Living Together: Planets, Host Stars and Binaries, Litomysl, Czech Republic, 8 - 12 September 2014, vol.496, pp.295-296
- XVII. **Transient Disk Structure of the Interacting Binary R Arae**
BAKIŞ H., BAKIŞ V., EKER Z.
Conference on Living Together: Planets, Host Stars and Binaries, Litomysl, Czech Republic, 8 - 12 September 2014, vol.496, pp.256-257
- XVIII. **Astrometry and Photometry of Karin Asteroid Family Members**
Eker Z., Birlan M., KAPLAN M., Erece O., Aslan G. E.
Gaia-FUN-SSO-3 2014, Paris, France, 24 - 26 October 2014, pp.1
- XIX. **Turkish Facilities to Meet GAIA Solar System ToO Observations**
Erece O., Eker Z., KAPLAN M., Aslan G. E., Birlan M.
Gaia-FUN-SSO-3 2014, Paris, France, 24 - 26 October 2014, pp.110
- XX. **Astrometric Observations of Some MBAs and NEAs at TUG and Observational Facilities of Akdeniz University**
Kaynar S., EKER Z., HELVACI M., KAPLAN M.
GAIA-FUN-SSO 2012 Second "Gaia Follow-up Network for Solar System Objects" Workshop, Paris, France, 19 - 21 September 2012
- XXI. **Astrometric Observations of (1665) Gaby, and (1565) Lemaître Asteroids at Tubitak National Observatory (TUG)**

Uysal Ö., HELVACI M., IVANTSOV A., EKER Z., KAPLAN M., Özışık T., Kaynar S.

GAIA-FUN-SSO 2012 Second "Gaia Follow-up Network for Solar System Objects" Workshop, Paris, France, 19 - 21 September 2012

- XXII. **High Resolution Coude Echelle Spectroscopy of IX Per**
FİLİZ AK N., Eker Z., AK H., Kuecuk I.
15th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, St Andrews, United Kingdom, 21 - 25 July 2008, vol.1094, pp.632-633
- XXIII. **Evidences on secular dynamical evolution of detached active binary orbits and contact binary formation**
Eker Z., DEMİRCAN O., BİLİR S., KARATAŞ Y.
Workshop on Solar and Stellar Physics through Eclipses, Antalya, Turkey, 27 - 29 March 2006, vol.370, pp.151-153
- XXIV. **Solar and stellar rotation**
DEMİRCAN O., Eker Z., Filiz-Ak N.
Workshop on Solar and Stellar Physics through Eclipses, Antalya, Turkey, 27 - 29 March 2006, vol.370, pp.169-170
- XXV. **Aktif Kromosferli Çift Yıldızlar (CAB) Kataloğunun Güncellenmesi**
Tüysüz M., EKER Z., Ak N., Doğru D., Soydugan E., BAKIŞ H., Uğraş B., Soydugan F.
XV. Ulusal Astronomi Kongresi, İstanbul, Turkey, 28 August - 01 September 2006, pp.835-842
- XXVI. **Modeling VIRGO spectral and bolometric irradiances with MDI data**
STEINEGGER M., HANSLMEIER A., OTRUBA W., BRANDT P., Eker Z., WEHRLI C., FINSTERLE W.
Summer School and Workshop on the Dynamic Sun, KARNTEN, Austria, 30 August - 10 September 1999, vol.259, pp.283-286
- XXVII. **Modelling of solar irradiance variations**
OTRUBA W., BRANDT P., Eker Z., HANSLMEIER A., STEINEGGER M.
Summerschool and Workshop on Motions in the Solar Atmosphere, KARNTEN, Austria, 1 - 12 September 1997, vol.239, pp.213-217
- XXVIII. **The problem of uniqueness in Doppler imaging**
AL-MALKI M., Eker Z.
IAU Colloquium 170 on Precise Stellar Radial Velocities, Victoria, Canada, 21 - 26 June 1998, vol.185, pp.255-258

Other Publications

- I. **T100 observations of GRB 111225A**
SONBAS E., GUVET T., GOGUS E., UYSAL O., ŞAHİN T., EKER Z., OZISIK T.
Technical Report, 2011

Scientific Refereeing

Canadian Journal Of Physics , SCI Journal, November 2017
Astrophysics and Space Sciences, SCI Journal, April 2016
Astronomical Journal, SCI Journal, October 2013

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Publication: 88
Citation (WoS): 1076
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H-Index (WoS): 17
H-Index (Scopus): 16

Congress and Symposium Activities

1. Uluslararası Bilimler Işığında Yaratılış, Attendee, Şanlıurfa, Turkey, 2017