

# Prof. ASLI ELMASLI AKÇAR

## Personal Information

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## International Researcher IDs

ORCID: 0000-0003-1970-4369

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## Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri (Dr), Turkey 2005 - 2011

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri (Yl) (Tezli), Turkey 2002 - 2005

Undergraduate, Ankara University, Fen Fakültesi, Astronomi ve Uzay Bilimleri Bölümü, Turkey 1998 - 2002

Associate Degree, Baskent University, Technical Sciences Vocational School, Department Of Biomedical Equipment Technology, Turkey 1995 - 1997

## Foreign Languages

English, C1 Advanced

German, A1 Beginner

## Dissertations

Doctorate, Delta Scuti yıldız DD UMa'nın tayfsal analizi, Ankara University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri (Dr), 2011

Postgraduate, Bazı çift yıldızların görülmeyen bileşenleri, Ankara University, Fen Bilimleri Enstitüsü, 2005

## Research Areas

Natural Sciences

## Academic Titles / Tasks

Associate Professor, Ankara University, Fen Fakültesi, Astronomi ve Uzay Bilimleri Bölümü, 2020 - 2024

Assistant Professor, Ankara University, Fen Fakültesi, Astronomi ve Uzay Bilimleri Bölümü, 2013 - 2020

## Academic and Administrative Experience

Ankara University, 2014 - Continues

Faculty Management Board Member, Ankara University, 2020 - 2024

## Courses

### Postgraduate

Research Methods, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2018 - 2019, 2017 - 2018  
Relations Between Stellar Parameters, Postgraduate, 2021 - 2022, 2016 - 2017, 2015 - 2016, 2014 - 2015  
801506 Özel Yıldızlar, Postgraduate, 2016 - 2017, 2014 - 2015

### Undergraduate

Fundamental of Astronomy, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Fundamentals of Astronomy, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Structure and Evolution of Stars, Undergraduate, 2021 - 2022  
AST200 Genel Astronomi, Undergraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015  
AST414 Yıldız Evriminin Son Safhaları, Undergraduate, 2018 - 2019  
AST203 Gözlem Araçları, Undergraduate, 2012 - 2013

## Supervised Theses

Elmaslı Akçar A., Orion yıldız oluşum bölgesindeki erken B tayf türü yıldızların kimyasal bolluk dağılımları, Doctorate, K.ÖZGE(Student), 2024  
Elmaslı Akçar A., A-tayf türünden HD 58552 yıldızının kimyasal bollukanalizi, Postgraduate, Ş.YALGIN(Student), 2023  
ELMASLI AKÇAR A., HR 7250 ve HR 7545 yıldızlarının kimyasal bolluk analizi, Postgraduate, Y.NASOLO(Student), 2016

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, July, 2023  
Post Graduate, Post Graduate, Ankara Üniversitesi, June, 2023  
Doctorate, Doctorate, Ankara Üniversitesi, May, 2023  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, January, 2023  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, July, 2022  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, April, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, September, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, March, 2019  
Post Graduate, Post Graduate, Ankara Üniversitesi, August, 2018

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

- I. **Spectroscopic and photometric behavior of LP Ori**  
ELMASLI AKÇAR A., Ünal K. Ö., ÖZUYAR D.  
Astronomische Nachrichten, vol.345, no.5, 2024 (SCI-Expanded)
- II. **Spectroscopic and Photometric Analyses of the Trapezium Stars  $\theta$ 1 Ori A and  $\theta$ 1 Ori D**  
ELMASLI AKÇAR A., Ünal K., ÖZUYAR D.  
Astronomische Nachrichten, 2024 (SCI-Expanded)
- III. **Chemical homogeneity and sulfur deficiency in the early B-type stars of the  $\lambda$  Orionis group**  
Elmaslı Akçar A., Ünal K. Ö.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.524, no.4, pp.6285-6294, 2023 (SCI-Expanded)
- IV. **Probable nature of HD 196821: Is the star a cool HgMn?**

- Caliskan Ş., Unal K., Ozuyar D., Kilicoglu T., Elmasli A., Ozgur E., Nasolo Y.  
ASTRONOMISCHE NACHRICHTEN, vol.343, no.8, 2022 (SCI-Expanded)
- V. **Orbital Period Analysis of Four Eclipsing Binaries XY Boo, RW Com, MR Del and AK Her**  
ÖZAVCI İ., ÖZUYAR D., ŞENAVCI H. V., YILMAZ M., BAHAR E., BAŞTÜRK Ö., KILIÇOĞLU T., Elmasli A., Caliskan Ş., Izci D. D., et al.  
ACTA ASTRONOMICA, vol.70, no.1, pp.33-52, 2020 (SCI-Expanded)
- VI. **Photometric and spectroscopic variability of the Be star 48 Lib: The relation between photometric variations and rotation**  
ÖZUYAR D., Caliskan Ş., Stevens I. R., Elmasli A.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.35, 2018 (SCI-Expanded)
- VII. **High-resolution abundance analysis of the metallic-line star HR 7250**  
Elmash A., Unal K., ÇALIŞKAN TÜRKSOY Ş.  
NEW ASTRONOMY, vol.62, pp.15-19, 2018 (SCI-Expanded)
- VIII. **Detailed photospheric abundances of 28 Peg and HD 202240**  
ELMASLI AKÇAR A., ÇALIŞKAN TÜRKSOY Ş., KILIÇOĞLU T., Unal K., Nasolo Y., Albayrak B.  
NEW ASTRONOMY, vol.42, pp.38-41, 2016 (SCI-Expanded)
- IX. **Chemical abundance analysis of the A-type stars CP Cyg and HD 33266**  
Çalışkan Türksöy Ş., Kılıçoğlu T., Elmash Akçar A., Nasolo Y., Avcı Z., Albayrak B.  
NEW ASTRONOMY, vol.34, pp.6-10, 2015 (SCI-Expanded)
- X. **An in-depth spectroscopic analysis of RR Lyr Variations over the pulsation cycle**  
Fossati L., Kolenberg K., Shulyak D. V., Elmasli A., Tsymbal V., Barnes T. G., Guggenberger E., Kochukhov O.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.445, no.4, pp.4094-4104, 2014 (SCI-Expanded)
- XI. **Detection of a magnetic field in three old and inactive solar-like planet-hosting stars**  
Fossati L., Kochukhov O., Jenkins J., Stancliffe R., Haswell C., Elmasli A., Nickson E.  
Astronomy and Astrophysics, vol.551, 2013 (SCI-Expanded)
- XII. **Physical parameters of some close binaries: ET Boo, V1123 Tau, V1191 Cyg, V1073 Cyg and V357 Peg**  
Ekmekci F., Elmasli A., YILMAZ M., KILIÇOĞLU T., Tanriverdi T., BAŞTÜRK Ö., ŞENAVCI H. V., Caliskan Ş., Albayrak B., SELAM S. O.  
NEW ASTRONOMY, vol.17, no.7, pp.603-609, 2012 (SCI-Expanded)
- XIII. **A spectroscopic study of DD UMA: Ursa Major group member and candidate for BRITE**  
Elmasli A., Fossati L., Folsom C., Albayrak B., Izumiura H.  
New Astronomy, vol.17, no.2, pp.221-226, 2012 (SCI-Expanded)
- XIV. **The accuracy of stellar atmospheric parameter determinations: A case study with HD32115 and HD37594**  
Fossati L., Ryabchikova T., Shulyak D., Haswell C., Elmasli A., Pandey C., Barnes T., Zwintz K.  
Monthly Notices of the Royal Astronomical Society, vol.417, no.1, pp.495-507, 2011 (SCI-Expanded)
- XV. **A detailed spectropolarimetric analysis of the planet-hosting star WASP-12**  
Fossati L., Bagnulo S., Elmasli A., Haswell C., Holmes S., Kochukhov O., Shkolnik E., Shulyak D., Bohlender D., Albayrak B., et al.  
Astrophysical Journal, vol.720, no.1, pp.872-886, 2010 (SCI-Expanded)
- XVI. **The Blazhko effect of RR lyrae in 2003-2004**  
Kolenberg K., Smith H. A., Gazeas K. D., Elmasli A., Breger M., Guggenberger E., Van Cauteren P., Lampens P., Reegen P., Niarchos P. G., et al.  
Astronomy and Astrophysics, vol.459, no.2, pp.577-588, 2006 (SCI-Expanded)
- XVII. **Possible light-time effect in the eclipsing binary system TY Boo**  
Elmasli A., SELAM S. O., Albayrak B., ÖZUYAR D.  
ASTROPHYSICS AND SPACE SCIENCE, vol.304, no.1-4, pp.189-190, 2006 (SCI-Expanded)
- XVIII. **Light-time effect in the eclipsing binary system AM Leonis**  
Albayrak B., SELAM S. O., Ak T., Elmasli A., Ozavci İ.  
Astronomische Nachrichten, vol.326, no.2, pp.122-126, 2005 (SCI-Expanded)

- XIX. **A new light-time effect study of AR Aurigae**  
Albayrak B., Ak T., Elmasli A.  
ASTRONOMISCHE NACHRICHTEN, vol.324, no.6, pp.523-526, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Orion Bulutsusundaki Bazı Erken B Türü Yıldızların Kimyasal Bollukları**  
Ünal K. Ö., Elmaslı Akçar A., Özuyar D., Çalışkan Türksöy Ş.  
Turkish Journal of Astronomy and Astrophysics, vol.4, no.3, pp.332-340, 2023 (Peer-Reviewed Journal)
- II. **The Period Analysis of the Hierarchical System DI Peg**  
ÖZUYAR D., ELMASLI AKÇAR A., ÇALIŞKAN TÜRKSOY Ş.  
INFORMATION BULLETIN ON VARIABLE STARS, vol.63, 2018 (Scopus)
- III. **Times of minima of some eclipsing binaries**  
Bahar E., Yörükoğlu O., Esmer E. M., Kılıçoğlu T., Öztürk D., Doğruel M., Özuyar D., Gümüş D., İzci D., Keten B., et al.  
Information Bulletin on Variable Stars, vol.63, no.6209, pp.1-3, 2017 (Scopus)
- IV. **Spectroscopic analysis of the delta scuti-type star DD UMa**  
Elmasli A.  
Publications of the Astronomical Society of the Pacific, vol.124, pp.296, 2012 (Peer-Reviewed Journal)
- V. **V502 Ophiuchi Çift Sisteminin Işık Eğrisi ve Dönem Analizi**  
SELAM S. O., BAŞTÜRK Ö., ELMASLI AKÇAR A., ŞENAVCI H. V., ALBAYRAK B.  
Journal of Arts and Sciences, vol.12, pp.151-163, 2009 (Peer-Reviewed Journal)
- VI. **New times of minima of some eclipsing binary stars and maxima of pulsating stars**  
Yılmaz M., Bastürk Ö., Alan N., Senavci H., Tanriverdi T., Kiliçoğlu T., Çalışkan S., Çelik L., Aydın G., Çakan D., et al.  
Information Bulletin on Variable Stars, vol.1, pp.1-5, 2009 (Peer-Reviewed Journal)
- VII. **Photoelectric Minima of Some Eclipsing Binary Stars**  
ŞENAVCI H. V., TANRIVERDİ T., TÖRÜN E., ELMASLI AKÇAR A., KILIÇOĞLU T., ÇINAR D., SİPAHİOĞLU S., ALAN N., ÇOLAK T., YILMAZ M., et al.  
Information Bulletin on Variable Stars, no.5754, pp.1-4, 2007 (Scopus)

## Papers Published in Refereed Scientific Meetings

- I. **Orion X Bölgesi'ndeki 6 Yıldızın Atmosfer Analizi**  
ünal k. ö., ELMASLI AKÇAR A., ÖZUYAR D.  
Ulusal Astronomi Kongresi, İstanbul, Turkey, 02 September 2024
- II. **ORİON BULUTSUSUNDAKİ ERKEN B TÜRÜ YILDIZLARIN KİMYASAL BOLLUKLARI**  
ünal k. ö., ELMASLI AKÇAR A., ÖZUYAR D., ÇALIŞKAN TÜRKSOY Ş.  
Ulusal Astronomi Kongresi, İzmir, Turkey, 6 - 08 September 2022
- III. **The Preliminary Atmospheric Parameters of HD 154713 and HD 137928**  
ELMASLI AKÇAR A., ÇALIŞKAN TÜRKSOY Ş., Unal K.  
9th Nuclear Physics in Astrophysics (NPA) Conference, Frankfurt, Germany, 15 - 20 September 2019, vol.1668
- IV. **The Fundamental Parameters of Two A-Type Stars HD 2924 and HD 4321**  
ÇALIŞKAN TÜRKSOY Ş., ELMASLI AKÇAR A., Nasolo Y.  
34th International Physics Congress (IPS) of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- V. **A Tayf Türünden HD 187982 ve 6 Cas Süperdevlerinin Kimyasal Bolluk ve Rüzgar Analizleri: İlk Sonuçlar**  
KILIÇOĞLU T., AVCI Z., ÜNAL K., PULS J., ÇALIŞKAN TÜRKSOY Ş., ELMASLI AKÇAR A., ALBAYRAK B.  
XX. Ulusal Astronomi Kongresi, Erzurum, Turkey, 5 - 09 September 2016
- VI. **Chemical abundance analysis of  $\pi$  Dra and HR 7545**

ELMASLI AKÇAR A., NASOLO Y.

Turkish Physical Society 32nd International Physics Congress – TPS32, 6 - 09 September 2016

VII. **Chemical Abundance Analysis of  $\pi$  Dra and HR 7545**

ELMASLI AKÇAR A., Nasolo Y.

32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815

VIII. **The Multi Color Photometry of the Open Cluster NGC6633**

ELMASLI AKÇAR A., NASOLO Y.

International Physics Conference at the Anatolian Peak, 25 - 27 February 2016

IX. **HD 33266 ve 6 Cas in Kimyasal Bolluk Analizi**

AVCI Z., KILIÇOĞLU T., ELMASLI AKÇAR A., ÇALIŞKAN TÜRKSOY Ş., ÜNAL K., NASOLO Y., ALBAYRAK B.

XIX. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015

X. **CP Cyg ve HD 202240 Yıldızlarının Kimyasal Bolluk Analizi**

YAHYA N., ELMASLI AKÇAR A., ÇALIŞKAN TÜRKSOY Ş., KILIÇOĞLU T., ÜNAL K., AVCI Z., ALBAYRAK B.

XIX. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015

XI. **HD 196821 HD 187983 ve 28 Peg Yıldızlarının Kimyasal Bolluk Analizi**

ÜNAL K., ÇALIŞKAN TÜRKSOY Ş., KILIÇOĞLU T., ELMASLI AKÇAR A., NASOLO Y., AVCI Z., ALBAYRAK B.

XIX. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015

XII. **Chemical Abundance Determination of Early Type Giant Stars**

AVCI Z., NASOLO Y., ÇALIŞKAN TÜRKSOY Ş., KILIÇOĞLU T., ELMASLI AKÇAR A., ALBAYRAK B.

Dig Sites of Stellar Archeology: Giant Stars in the Milky Way, 4 - 06 September 2013

XIII. **Üç Örtün Çift Yıldız Sisteminin Dönem Değişimi U Coronae Borealis DI Pegasi ve AH Virgo**

ÇALIŞKAN TÜRKSOY Ş., TANRIVERDİ T., ELMASLI AKÇAR A., KILIÇOĞLU T., ALBAYRAK B., SELAM S. O.

XVI. Ulusal Astronomi Kongresi, Çanakkale, Turkey, 8 - 12 September 2008, vol.1, pp.171-184

XIV. **Delta Scuti Yıldızlarının Modlarının Belirlenmesi**

ELMASLI AKÇAR A., ALBAYRAK B., BREGER M., Castanheira H., Izumiura H., SELAM S. O., BECK P.

XVI. Ulusal Astronomi Kongresi (Bildiri Kitabı - Ç.O.M.Ü. yayınları), Çankale, Turkey, 8 - 12 September 2008, pp.947-952

XV. **Amateur and Professional Researches at the Ankara University Observatory**

HELVACI M., ELMASLI AKÇAR A., TANRIVERDİ T., ÖZAVCI İ., TÖRÜN M. E., ALBAYRAK B., SELAM S. O., KARA A., BİNGÖL F., MAHMUTOĞLU B.

The Journal of the American Association of Variable Star Observers, 29 October 2004, vol.33, pp.212-217

XVI. **The Light Time Effect in UV Leonis**

ŞENAVCI H. V., ELMASLI AKÇAR A., SELAM S. O., ALBAYRAK B.

The Light-Time Effect in Astrophysics (ASP Conference Series), San-Francisco, Costa Rica, 19 - 22 July 2004, vol.335, pp.287-291

## Metrics

Publication: 45

Citation (WoS): 111

Citation (Scopus): 213

H-Index (WoS): 7

H-Index (Scopus): 8

## Artistic Activity

ELMASLI AKÇAR A., 5. Çevre Günleri, May 2017