

## Res. Asst. PhD Hüseyin ER

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, Turkey 2018 - 2023

Postgraduate, Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, Turkey 2015 - 2018

Undergraduate, Ataturk University, Fen Fakültesi, Fizik, Turkey 2009 - 2014

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

Other, Astrofizikte Örten Çift Yıldızlar, Ege University Observatory Application and Research Center, 2021

Other, The LATEST SHOWS FROM NEUTRON STARS, Ege University Observatory Application and Research Center, 2021

Other, Toplanma Disklerinin Doğası, Ege University Observatory Application and Research Center, 2021

Other, Yıldız Sismolojisi, Ege University Observatory Application and Research Center, 2021

### Dissertations

Postgraduate, • Seçilmiş Bazı Örten Yakın Çift Yıldız Sistemlerinde Gezegen Araştırılması, Ataturk University, Fen Bilimleri Enstitüsü, Astronomi ve Astrofizik Anabilim Dalı, 2018

### Research Areas

Physics, Astronomy and Astrophysics, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2017 - Continues

### Academic and Administrative Experience

Member of Department FEDEK Commission, Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2022 - Continues

Unit Accreditation Board Member, Ataturk University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2022 - Continues

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

- I. **Orbital Period Variation Analysis of the HS 0705+6700 Post-Common Envelope Binary**  
Er H., Özdönmez A., Nasıroğlu İ., Kenger M. E.  
Publications of the Astronomical Society of Australia, vol.41, 2024 (SCI-Expanded)
- II. **Investigation on transit observations of the WASP-10 and WASP-11 systems**  
ER H., KARAMAN N., ÖZDÖNMEZ A., NASIROĞLU İ., GÜRBULAK B.  
NEW ASTRONOMY, vol.107, 2024 (SCI-Expanded)
- III. **Optical identification and follow-up observations of SRGA J213151.5+491400: A new magnetic cataclysmic variable discovered with the SRG observatory**  
BALMAN Ş., Khamitov I., Kolbin A., Çalışkan E. A., Bikmaev I., ÖZDÖNMEZ A., Burenin R., KILIÇ Y., ESENOĞLU H. H., Yelkenci K., et al.  
Astronomy and Astrophysics, vol.684, 2024 (SCI-Expanded)
- IV. **Investigation on the orbital period variations of NN Ser: implications for the hypothetical planets, the Applegate mechanism, and the orbital stability**  
Özdönmez A., Er H., Nasıroğlu İ.  
Monthly Notices of the Royal Astronomical Society, vol.526, no.3, pp.4725-4734, 2023 (SCI-Expanded)
- V. **A large topographic feature on the surface of the trans-Neptunian object (307261) 2002 MS<sub>4</sub> measured from stellar occultations**  
Rommel F., Braga-Ribas F., Ortiz J., Sicardy B., Santos-Sanz P., Desmars J., Camargo J., Vieira-Martins R., Assafin M., Morgado B., et al.  
ASTRONOMY & ASTROPHYSICS, vol.678, 2023 (SCI-Expanded)
- VI. **Probing Transit Timing Variations of three hot Jupiters: HATP-36b, HATP-56b, and WASP-52b**  
Sonbas E., Karaman N., Özdönmez A., Er H., Dhuga K. S., Gogus E., Nasıroğlu İ., Zejmo M.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.509, no.4, pp.5102-5116, 2022 (SCI-Expanded)
- VII. **New observations of the eclipsing binary system NY Vir and its candidate circumbinary planets**  
Er H., Özdönmez A., Nasıroğlu İ.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.507, no.1, pp.809-817, 2021 (SCI-Expanded)
- VIII. **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, 2018 (SCI-Expanded)
- IX. **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)
- X. **Is There a Circumbinary Planet around NSVS 14256825?**  
Nasıroğlu İ., Goździewski K., Slowikowska A., Krzeszowski K., Zejmo M., Zola S., Er H., Ogloza W., Drozd M., Koziel-Wierzbowska D., et al.  
ASTRONOMICAL JOURNAL, vol.153, 2017 (SCI-Expanded)
- XI. **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, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **New the Design and Measurements of the Portable Cosmic Ray Muons Detector (CRMD) for an Observatory**  
Polatođlu A., Yeşilyaprak C., Kaya M., Shameoni Niaei M., Er H.  
Universal Journal of Physics and Application , vol.17, no.4, pp.33-42, 2023 (Peer-Reviewed Journal)
- II. **Dört W UMA Çift Yıldız Sisteminin Fotometrik Gözlemleri**  
Er H., Sönmez E. Z., Kenger M. E., Karaman N., Akkaya E., Özkesen İ. C., Polatođlu A.  
Journal of Anatolian Physics and Astronomy, vol.2, no.1, pp.35-42, 2022 (Peer-Reviewed Journal)
- III. **Applications of Coronagraph in Astronomy**  
Gürbulak B. B., Nasırođlu İ., Özdönmez A., Er H.  
JOURNAL OF ANATOLIAN PHYSICS AND ASTRONOMY, vol.1, no.1, pp.31-34, 2021 (Peer-Reviewed Journal)
- IV. **THE HU Aqr O-C DIAGRAM TREND CHANGE: ARE THERE STILL ANY CIRCUMBINARY PLANETS?**  
SŁOWIKOWSKA A., NASIROĐLU İ., GOZDZIEWSKI K., ZEJMO M., KRZESZOWSKI K., IRAWATI P., BUCKLEY D., DİMİTROV D., ER H.  
JOURNAL OF OCCULTATION AND ECLIPSE, 2018 (Peer-Reviewed Journal)
- V. **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, 2017 (ESCI)
- VI. **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, 2016 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **THE PLACE OF THE CORONAGRAPH ON EXOPLANETS**  
Gürbulak B. B., NASIROĐLU İ., ÖZDÖNMEZ A., ER H.  
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Erzurum, Turkey, 10 September 2021
- II. **KOZMİK IŞIN NEDİR?**  
POLATOĐLU A., ER H.  
4007 Bilim Şenlikleri Destekleme Programı, Erzurum, Turkey, 25 - 26 April 2019
- III. **Searching for planets around eclipsing binary stars using timing method: NSVS 14256825**  
NASIROĐLU İ., GOZDZIEWSKI K., Slowikowska A., KRZESZOWSKI K., ZEJMO M., Zola S., ER H.  
330th Symposium of the International-Astronomical-Union (IAU), Nice, France, 24 - 28 April 2017, vol.12, pp.405-406
- IV. **NIGHT SKY QUALITY MEASUREMENTS IN ERZURUM (LIGHT POLLUTION)**  
YILMAZ S., ER H., GÜNEY Y., NASIROĐLU İ.  
TÜRK FİZİK DERNEĐİ 33.ULUSLARARASI FİZİK KONGRESİ, Muđla, Turkey, 6 - 10 September 2017, pp.1
- V. **NIGHT SKY QUALITY MEASUREMENTS IN ERZURUM (LIGHT POLLUTION)**  
YILMAZ S., ER H., GÜNEY Y., NASIROĐLU İ.  
TÜRK FİZİK DERNEĐİ 33.ULUSLARARASI FİZİK KONGRESİ, Muđla, Turkey, 6 - 10 September 2017, pp.1
- VI. **Night Sky Quality Measurements In Erzurum**  
YILMAZ S., ER H., GÜNEY Y., NASIROĐLU İ.  
Turkish Physical Society 33rd International Physics Congress, Bodrum, Turkey, 6 - 10 September 2017, pp.528
- VII. **Timing Detection of Third Bodies Orbiting Eclipsing Binaries**  
NASIROĐLU İ., Slowikowska A., Godziewski K., Krzeszowski K., SONBAŞ E., Zejmo M., Zola S., ER H., GÜNEY Y.  
Türk Fizik Derneđi 33. Uluslararası Fizik Kongresi, 6 - 10 September 2017
- VIII. **Searching For Planets Around Selected Eclipsing Close Binary Systems**  
NASIROĐLU İ., Gozdzievski K., Slowikowska A., Krzeszowski K., Zejmo M., Zola S., Er H.

## Supported Projects

- KIRAN E., NASIROĞLU İ., ÖZDÖNMEZ A., YEŞİLYAPRAK C., ER H., DERVİŞOĞLU A., Project Supported by Higher Education Institutions, Ayrık ve Yarı Ayrık Örtün Çift Yıldız Sistemleri ve Yaşanabilir Bölgeler, 2023 - Continues
- NASIROĞLU İ., DERVİŞOĞLU A., ÖZDÖNMEZ A., YEŞİLYAPRAK C., ER H., Project Supported by Higher Education Institutions, Atatürk Üniversitesi Yıldız ve Ötegezegen Sistemleri Araştırma Programı (ATAÜNİ YÖGAP), 2022 - Continues
- Özdönmez A., Er H., Project Supported by Higher Education Institutions, Eğlenerek Astronomi Öğreniyorum, 2022 - 2023
- Er H., Karaman N., Project Supported by Higher Education Institutions, Uzayla Tanışma Etkinliği , 2022 - 2022
- Er H., Sönmez E. Z., Karaman N., Project Supported by Higher Education Institutions, Güneş Gözlemi Etkinliği, 2022 - 2022
- Er H., Niyazoğlu Y. E., Yeşilmen Ö., Project Supported by Higher Education Institutions, Erzurum'da Kurulan Türkiye'nin En Büyük Gözlemevi Projesi olan DAG'ın Toplumda Bilinirliğinin Ölçülmesi ve Artırılması, 2022 - 2022
- Er H., Project Supported by Higher Education Institutions, Temel Bilimler ile Astronomi, 2022 - 2022
- Er H., Eser S., Project Supported by Higher Education Institutions, Kırsal Bölgedeki Anaokuluna Eğitim Desteği, 2021 - 2022
- Er H., Kenger M. E., Akkaya E., Karaca Y., Project Supported by Higher Education Institutions, Su Roket Şenliği , 2021 - 2022
- ÖZDÖNMEZ A., ER H., NASIROĞLU İ., POLATOĞLU A., EGE E., Project Supported by Higher Education Institutions, Seçilmiş bazı AGÇ'lerin kısa ve orta-uzun vadeli değişimlerinin incelenmesi, 2020 - 2022
- ÖZDÖNMEZ A., KARAMAN N., SÖNMEZ E. Z., ER H., POLATOĞLU A., Project Supported by Higher Education Institutions, Gelenekten Geleceğe İslam Astronomisi, 2019 - 2020
- NASIROĞLU İ., ER H., POLATOĞLU A., KENGER M. E., ÖZKESEN İ. C., Project Supported by Higher Education Institutions, Tablete Değil Gökyüzüne Bak!, 2019 - 2020
- Polatoğlu A., Er H., TUBITAK Project, Erzurum Bilimle Şenleniyor - 4007 Bilim Şenliklerini Destekleme Programı, 2019 - 2019
- ER H., TUBITAK Project, Erzurum Bilim Şenliği - Kozmik Işınlarmın Gözlemlenmesi, 2019 - 2019
- Nasiroğlu İ., Karaman N., ER H., Project Supported by Higher Education Institutions, Seçilmiş Bazı Güneş Benzeri Yıldızlarda Geçiş Yöntemini Kullanarak Gezegen Araştırılması, 2017 - 2019
- Nasiroğlu İ., TUBITAK Project, Seçilmiş Bazı Örtün Yakın Çift Yıldız Sistemlerinde Gezegen Araştırılması, 2015 - 2019

## Memberships / Tasks in Scientific Organizations

Türk Astronomi Derneği, Member, 2018 - Continues

## Tasks In Event Organizations

- Kalecik S., Güney Y., Er H., TURGUT E., MERHAN MUĞLU G., AR-GE LABORATUVAR ÇALIŞMALARINDA İNSAN SAĞLIĞI VE İŞ GÜVENLİĞİ, Workshop Organization, Erzurum, Turkey, Şubat 2024
- Sarıtaş S., Er H., Merhan Muğlu G., "Bilimsel Çalışmalardaki Biyolojik ve Fiziksel Riskler", Workshop Organization, Erzurum, Turkey, Şubat 2024
- Güney Y., Sarıtaş S., Er H., TURGUT E., MERHAN MUĞLU G., FİZİĞİN DÜNÜ-BUGÜNÜ-YARINI, Workshop Organization, Erzurum, Turkey, Ocak 2024
- Kıran E., ÖZDÖNMEZ A., ER H., Astronomi ve Uzay Bilimleri Lisansüstü Öğrenci Çalıştayı, Workshop Organization, Turkey, Ocak 2024
- Kıran E., Özdönmez A., ER H., Astronomi ve Uzay Bilimleri Lisans Öğrenci Çalıştayı, Workshop Organization, Turkey, Aralık 2023

Şişman T., Bayrakçeken Yurtcan A., Tuysuz E., Akbulut S., Gürol A., Özdönmez A., ER H., 1st International Symposium on Recent Advances in Fundamental and Applied Sciences , Scientific Congress, Erzurum, Turkey, Eylül 2021  
Bayrakçeken Yurtcan A., TUYSUZ E., TORAMAN E., AKBULUT S., GÜROL A., ÖZAKIN O., ÖZDÖNMEZ A., ER H., 1st International Congress on Natural Sciences, Scientific Congress, Erzurum, Turkey, Eylül 2021

## **Metrics**

Publication: 26

Citation (WoS): 270

Citation (Scopus): 303

H-Index (WoS): 7

H-Index (Scopus): 7

## **Congress and Symposium Activities**

in the 1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES, Attendee, Erzurum, Turkey, 2021

1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021) 10-12 SEPTEMBER 2021, Attendee, Erzurum, Turkey, 2021

Astro Meteo Çalıştayı, Attendee, Erzurum, Turkey, 2019

21. Ulusal Astronomi Kongresi, Attendee, Kayseri, Turkey, 2018

8th International Workshop on Occultation and Eclipse, Attendee, İstanbul, Turkey, 2018

Turkish Physical Society 33rd International Physics Congress, Attendee, Muğla, Turkey, 2017

European Week of Astronomy and Space Science, Attendee, Praha, Czech Republic, 2017

20. Ulusal Astronomi Kongresi, Attendee, Erzurum, Turkey, 2016