



NURHAN ÖZLEM KAYA ÇOKLUK

PhD Candidate

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SOCIAL MEDIA



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EDUCATION

- 2024- 2025** **PHD, VISITING RESEARCHER**
UNIVERSITY OF TURIN
Department: *Physics*
Supervisor: *Assoc. Prof. Matteo BROGI*
(e-mail: matteo.brogi@unito.it)
- 2021- ...** **PHD**
EGE UNIVERSITY
Department: *Astrophysics*
Supervisor: *Prof.Dr. Zeynep BOZKURT*
(e-mail: zeynep.bozkurt@ege.edu.tr)
- 2018 - 2020** **MSC**
EGE UNIVERSITY
Department: *Astrophysics*
Thesis: *"The Oscillations Seen in the Longitudinal Migration of the Cool Stellar Spots"*
Supervisor: *Prof. Dr Hasan Ali DAL*
- 2012 -2017** **BACHELOR OF SCIENCE**
EGE UNIVERSITY
Department: *Astronomy and Space Sciences*
Thesis: *"Data Mining with High Time Resolution Satellite Data"*



PROJECTS



TUBITAK 1002-A SHORT TERM SUPPORT MODULE

Scholarship Student

Ege University, TR.

2026-2027.

"Spectral Analysis of the Atomic and Molecular Composition of the Ultra-Hot Jupiter HAT-P-70b Using High-Resolution IGRINS Data"



TUBITAK 2214-A INTERNATIONAL RESEARCH FELLOWSHIP PROG. FOR PHD Visiting Researcher

University of Turin, Italy.

2024-2025

"Measuring the Composition of Exoplanet Atmospheres using High-Resolution Spectroscopy"



TUBITAK PROJECT NO: 123F439 Researcher

"Estimation of the 25th Sunspot Cycle Using ARIMA Statistical Method and Data Mining Methods"



TUBITAK PROJECT NO: 116F213 Scholarship Student

"The Change of Flare Energy and Flare Mechanism According to Spectral Type for White Light Flares Observed in UV Ceti Stars"

NURHAN ÖZLEM KAYA ÇOKLUK

PhD Candidate

SKILL

PROGRAMMING LANGUAGE

PYTHON

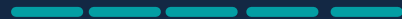


OPERATING SYSTEM

MacOs



Microsoft Windows



Ubuntu / Linux



SOFTWARE / PROGRAMME

IRAF



MOOG



IDL



LATEX



PHOEBE



PERIOD04



Microsoft Office Programs



ESO'S PIPELINES (ESOREFLEX)



JKTEBOP



DS9



MAXIM DL 5



TUBITAK PROJECT NO: 116F349

Scholarship Student

"Using Spectral Observations, Determination of the Nature of Triple Systems, One of Which is Pulsating and the Other is a Chromospheric Active Star"



INTERNATIONAL PUBLICATIONS



Kaya, N. Ö. and Dal, H. A.

"Some Findings from the Longitudinal Migration of Starspots"

2024, *Publications of the Astronomical Society of Australia*, Volume 41, e031.

(DOI: <https://doi.org/10.1017/pasa.2024.28>)



Kaya, N. Ö. and Dal, H. A.

"Semi-stable Active Region Around the Co-Rotation Latitude of Low-Mass Close Binary KIC 7671594"

2024, *Astronomische Nachrichten*, Volume 345, Issue , article id. e20240115.

(DOI: [10.1002/asna.20240115](https://doi.org/10.1002/asna.20240115)).



Kaya, N. Ö. and Dal, H. A.

"Chromospheric Activity Behavior of an Eclipsing Binary System KOI 68AB"

2019, *Astronomische Nachrichten*, Vol. 340, p. 539-552.

(DOI: [10.1002/asna.201913631](https://doi.org/10.1002/asna.201913631))



NATIONAL PUBLICATIONS



Kaya, N. Ö. ve Dal, H. A.

"Soğuk Yıldız Lekelerinin Boylamsal Göç Hareketinde Görülen Salınımlar"

2023, *Turkish Journal of Astronomy and Astrophysics*, Cilt: 4 Sayı: 3, 377 - 387.

(DOI: [10.55064/tjaa.1199879](https://doi.org/10.55064/tjaa.1199879))



Kaya, N. Ö. ve Sipahi, E.

"KOI-7253 Sisteminin Zonklama Doğası"

2023, *Turkish Journal of Astronomy and Astrophysics*, Cilt: 4 Sayı: 3, 121 - 127.

(DOI: [10.55064/tjaa.1199882](https://doi.org/10.55064/tjaa.1199882))



Kaya, N. Ö. and Dal, H. A.

"Chromospheric Activity of Mysterious Star KIC 8669092"

2020, *Turkish Journal of Astronomy and Astrophysics*, 1(2): 537-538.

(<https://dergipark.org.tr/tr/download/article-file/1408261>)

NURHAN ÖZLEM KAYA ÇOKLUK

PhD Candidate

LANGUAGE

TURKISH

ENGLISH

ITALIAN

RESEARCH INTERESTS

- Stellar Spots
- Exoplanet Atmospheres
- Spectrum Analysis
- Photometric Analysis
- Chemical Abundance Analysis



NATIONAL PRESENTATIONS AND SEMINARS



Kaya, N. Ö.

"Molecular Signatures in Exoplanet Atmospheres: Chemical Analysis with Next-Generation Spectroscopic Observations"

Ege University, Department of Astronomy and Space Sciences/ Izmir, TURKIYE.
20 June 2025 (Seminar).



Kaya, N. Ö. and Dal, H. A.

"The Oscillations Seen in the Longitudinal Migration of the Cool Stellar Spots"

XXII. National Astronomy Congress.
Ege University, Izmir / TURKIYE.
6-8 September 2022 (Presentation).



Kaya, N. Ö., Sipahi, E. and Önder, A. B.

"The Pulsating Nature of KOI-7253 System"

XXII. National Astronomy Congress.
Ege University, Izmir / TURKIYE.
6-8 September 2022 (Short Presentation).



Kaya, N. Ö. and Dal, H. A.

"Chromospheric Activity of Mysterious Star KIC 8669092"

XXI. National Astronomy Congress.
University of Erciyes, Kayseri / TURKIYE.
3-7 September 2018 (Short Presentation).



Kaya, N. Ö.

"Present Spectral Studies of Exoplanet Atmospheres".

Ege University, Department of Astronomy and Space Sciences/ Izmir, TURKIYE.
11 February 2022 (Seminar).



Kaya, N. Ö.

"The Oscillations Seen in the Longitudinal Migration of the Cool Stellar Spots".

Ege University, Department of Astronomy and Space Sciences/ Izmir, TURKIYE.
27 December 2019 (Seminar).



CERTIFICATIONS AND EDUCATIONS



Education/Remote.

*2024 Sagan Exoplanet Summer Hybrid Workshop
Advances In Direct Imaging: From Young Jupiters to Habitable Earths*

The NASA Exoplanet Science Institute, California
Institute of Technology, Pasadena, CA.
July 22-26, 2024.

NURHAN ÖZLEM KAYA

PhD Candidate

HOBBIES

PHOTOGRAPHY

MOVIE / TV SERIES

RESEARCH - READING

TRAVELLING

COOKING

DANCING



Education/Remote.

[EXCALIBUR Workshop](#)

[EXoplanet CALibration and Bayesian Unified Retrieval](#)

The NASA Exoplanet Science Institute, California
Institute of Technology, Pasadena, CA.
July 29, 2023.



Education/Remote.

[2023 Sagan Exoplanet Summer Hybrid Workshop](#)
[Characterizing Exoplanet Atmospheres: The Next Twenty Years](#)

The NASA Exoplanet Science Institute, California
Institute of Technology, Pasadena, CA.
July 24-28, 2023.



Education/Remote.

[COST NanoSpace JWST Training School](#)

La Laguna, Tenerife, Canary Islands (Spain).
June 19-22, 2023.



Speaker / Writer.

[22. National Astronomy Congress /](#)

[11. National Astronomy Student Congress.](#)

Ege University, İzmir / TURKIYE.
6-8 September 2022.



Education / In-person.

[ATASAM Graduate Information and Application Program \(ALÜP\).](#)

Atatürk University / Astrophysics Research and
Application Center / Erzurum, TURKIYE.
26-28 September 2019.



Education / In-person.

[1.Graduate Echelle Spectroscopy Summer School.](#)

Ege University Observatory Application and
Research Center, Izmir, TURKIYE.
1-5 July 2019.



Speaker / Writer.

[21. National Astronomy Congress /](#)

[10. National Astronomy Student Congress.](#)

Erciyes University, Kayseri / TURKIYE.
3-7 September 2018.



Counselor.

[TUBITAK Project No: 116B027.](#)

2nd Karşıyaka Science Festival, Izmir / TURKIYE.
13-15 October 2016.



Education / In-person.

[Undergraduate Students Summer Program \(LOYP\).](#)

TUBITAK National Observatory (TUG), Antalya /
TURKIYE.
11-15 July 2016.