

Prof. DURSUN KOÇER

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-5689-2020

ScopusID: 6602867066

Yoksis Researcher ID: 106575

Education Information

Doctorate, Istanbul University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri Bölümü, Turkey 1970 - 1974

Undergraduate, Istanbul University, Faculty Of Science, Department Of Mathematics, Turkey 1963 - 1968

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Fizik, 2002 - Continues

Professor, Istanbul University, Faculty Of Science, Astronomy And Space Sciences, 1988 - 2002

Associate Professor, Istanbul University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri Bölümü, 1979 - 1988

Research Assistant, Istanbul University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri Bölümü, 1970 - 1974

Academic and Administrative Experience

Head of Department, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Fizik, 2023 - Continues

Faculty Board Member, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Fizik, 2023 - Continues

Head of Department, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Fizik, 2023 - Continues

Head of Department, Istanbul Kultur University, Fen-Edebiyat Fakültesi, 2010 - 2013

Istanbul Kultur University, 2008 - 2012

Istanbul Kultur University, 2004 - 2008

Fakülte Kurulu Üyesi, Istanbul Kultur University, Fen-Edebiyat Fakültesi, 2002 - 2008

Fakülte Yönetim Kurulu Üyesi, Istanbul Kultur University, Fen-Edebiyat Fakültesi, 2002 - 2008

Istanbul University, 1995 - 2004

Istanbul University, 1994 - 2000

Fakülte Kurulu Üyesi, Istanbul University, Faculty Of Science, 1991 - 2000

Istanbul University, 1991 - 1997

Fakülte Yönetim Kurulu Üyesi, Istanbul University, Faculty Of Science, 1991 - 1997

Manager of Research and Application Center, Istanbul University, Faculty Of Science, 1991 - 1997

Enstitü Yönetim Kurulu Üyesi, Bogazici University, 1985 - 1988

Fakülte Yönetim Kurulu Üyesi, Istanbul University, Faculty Of Science, 1974 - 1975

Courses

Fen Bilimlerinde Astronomi I, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Kozmik Yolculuk, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2018 - 2019, 2017 - 2018, 2016 - 2017

Fen Bilimlerinde Astronomi II, Postgraduate, 2023 - 2024, 2022 - 2023

AstronomiII, Undergraduate, 2015 - 2016, 2013 - 2014

Astrofizik II, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

Astronomi I, Undergraduate, 2013 - 2014

Yıldızlar Bilgisi, Undergraduate, 2013 - 2014

Lisans Bitirme Tezi, Undergraduate, 2013 - 2014

Astrofizik I, Undergraduate, 2013 - 2014

Advising Theses

DURSUN K., Yeni nesil kızılötesi teleskoplar, Postgraduate, G.ÜNAL(Student), 2023

DURSUN K., Astronomide optik araçlar ve adaptif optik, Postgraduate, R.BUDAK(Student), 2021

DURSUN K., (Alfa) Cygni (A2 Ia, HD 197 345) yıldızının tayfsal analizi, Doctorate, B.ALBAYRAK(Student), 1999

DURSUN K., CNO anormalliği gösteren K tipi özel yıldızların spektroskopik incelenmesi, Doctorate, T.KOKTAY(Student), 1998

DURSUN K., Normal ve özel A yıldızlarının spektrum sentez tekniği ile atmosfer yapılarının incelenmesi, Doctorate, H.ÇALIŞKAN(Student), 1995

DURSUN K., Astronomik seyir, Postgraduate, F.KUNDAKÇI(KINALI)(Student), 1992

DURSUN K., Be yıldızları, Postgraduate, T.KOKTAY(Student), 1992

DURSUN K., HD 43378 (2 Lyn) yıldızının atmosfer analizi ve spektrel sınıfının belirlenmesi, Doctorate, H.BÖLGE(Student), 1991

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **VizieR Online Data Catalog: Elemental abundances of four A-B stars (Kocer+, 2003)**
Koçer D., Adelman S. J., Caliskan H., Gulliver A. F., Tektunali G. H.
ASTRONOMY AND ASTROPHYSICS, no.406, pp.975-980, 2003 (SCI-Expanded)
- II. **Elemental abundance analyses with DAO spectrograms -: XXVII.: The superficially normal stars θ And (A2 IV), ϵ Del (B6 III), ϵ Aqr (A1.5 V), and ι And (B9 V)**
KOÇER D., Adelman S., ÇALIŞKAN H., Gulliver A., Tektunali H.
ASTRONOMY & ASTROPHYSICS, vol.406, no.3, pp.975-980, 2003 (SCI-Expanded)
- III. **A spectroscopic atlas of Deneb (A2 lae) $\lambda\lambda 3826-5212$**
Albayrak B., Gulliver A., Adelman S., Aydin C., KOÇER D.
ASTRONOMY & ASTROPHYSICS, vol.400, no.3, pp.1043-1049, 2003 (SCI-Expanded)
- IV. **Elemental abundance analyses with DAO spectrograms -: XXVI.: The superficially normal stars serpentis γ (F6 V) and 101 Herculis (A7 V)**
Caliskan H., Adelman S., Cay M., Cay I., Gulliver A., Tektunali G., Kocer D., Teker A. F.

ASTRONOMY & ASTROPHYSICS, no.1, pp.187-192, 2002 (SCI-Expanded)

- V. **Elemental abundance analyses with DAO spectrograms -: XXV.: The superficially normal B and A stars α draconis, τ Herculis, γ Lyrae, and HR 7926**
Adelman S., Caliskan H., Kocer D., Kablan H., Yüce K., Engin S.
ASTRONOMY & ASTROPHYSICS, no.3, pp.1078-1083, 2001 (SCI-Expanded)
- VI. **Elemental abundance analyses with DAO spectrograms - XXIII. The superficially normal stars 28 And (A7 III) and 99 Her (F7 V)**
Adelman S., Caliskan H., Kocer D., Cay I., Tektunali H.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, no.3, pp.514-518, 2000 (SCI-Expanded)
- VII. **Elemental abundance analyses with DAO spectrograms - XXI. The hot metallic-lined stars 60 Leonis and 6 Lyrae**
Adelman S., Caliskan H., Cay T., Kocer D., Tektanali H.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, no.3, pp.591-601, 1999 (SCI-Expanded)
- VIII. **Elemental abundance analyses with DAO spectrograms .16. The normal F main-sequence stars sigma Bootis, theta Cygni and iota Piscum, and the Am stars 15 Vulpeculae and 32 Aquarii**
Adelman S., Caliskan H., Kocer D., Bolcal C.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, no.2, pp.470-500, 1997 (SCI-Expanded)
- IX. **ON THE FURTHER OBSERVATIONS OF B-E/SHELL STAR-V-923-AQL**
DENIZMAN L., AK T., KOKTAY T., SAYGAC T., KOCER D.
ASTROPHYSICS AND SPACE SCIENCE, no.1-2, pp.191-203, 1994 (SCI-Expanded)
- X. **ELEMENTAL ABUNDANCE ANALYSES WITH DAO SPECTROGRAMS .9. THE METALLIC-LINED STARS 15-VULPECULAE AND 32-AQUARII**
BOLCAL C., KOCER D., ADELMAN S.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, no.2, pp.270-276, 1992 (SCI-Expanded)
- XI. **A MODEL-ATMOSPHERE ANALYSIS OF AP STAR HD 26385**
BOLCAL C., KOCER D., KOKTAY T., GUZEL T.
ASTROPHYSICS AND SPACE SCIENCE, no.2, pp.237-247, 1991 (SCI-Expanded)
- XII. **ELEMENTAL ABUNDANCE ANALYSES WITH DAO SPECTROGRAMS .8. THE NORMAL F-MAIN SEQUENCE STARS THETA-CYGNI AND IOTA PISCUM**
ADELMAN S., BOLCAL C., HILL G., KOCER D.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, no.3, pp.329-333, 1991 (SCI-Expanded)
- XIII. **A SPECTROSCOPIC ANALYSIS OF THE AM STAR HD-73730**
KOCER D., BOLCAL C., SAGLAMSAATCI M., DUZGELEN A.
ASTROPHYSICS AND SPACE SCIENCE, no.2, pp.273-286, 1988 (SCI-Expanded)
- XIV. **A MODEL ATMOSPHERE ANALYSIS OF HD-25823**
BOLCAL C., KOCER D., DUZGELEN A.
ASTROPHYSICS AND SPACE SCIENCE, no.2, pp.295-304, 1987 (SCI-Expanded)
- XV. **OPTICAL-REGION ELEMENTAL ABUNDANCE ANALYSES OF B-STARS AND A-STAR .7. THE METALLIC-LINED STAR 32 AQUARII**
KOCER D., BOLCAL C., INELMEN E., ADELMAN S.
ASTRONOMY & ASTROPHYSICS SUPPLEMENT SERIES, no.1, pp.49-56, 1987 (SCI-Expanded)
- XVI. **THE METAL-WEAK A0-III STAR ALPHA-DRACONIS**
ADELMAN S., BOLCAL C., KOCER D., INELMEN E.
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC, no.612, pp.130-137, 1987 (SCI-Expanded)

Articles Published in Other Journals

- I. **An International Astronomy Education Project for Mediterranean Region Countries**
Yelkenci A. F., Yelkenci F. K., Koçer D.
Turkish Journal of Astronomy & Astrophysics, vol.4, no.3, pp.270-272, 2023 (Peer-Reviewed Journal)

- II. **Photospheric line profiles in Deneb (A2 Iae)**
Albayrak B., ÇINAR G., KOÇER D.
Turkish Journal of Physics, vol.25, no.4, pp.293-307, 2001 (Scopus)
- III. **On the Variability of A6 to F9 Supergiants**
Adelman S. J., Cay I. H., Cay M. T., Koçer D.
INFORMATION BULLETIN ON VARIABLE STARS, no.4947, pp.700-705, 2000 (Peer-Reviewed Journal)
- IV. **National Space Data Center for Turkey**
Denizman L., Ozel M., Ince F., Yildirim H., KOÇER D.
Turkish Journal of Physics, vol.19, no.10, pp.1329-1334, 1995 (Scopus)
- V. **Optical region elemental abundance analyses of B and A stars. VII. The metallic-lined star 32 Aquarii.**
Kocer D., Bolcal C., Inelmen E., Adelman S. J.
ASTRONOMY AND ASTROPHYSICS, vol.70, pp.49-56, 1987 (Scopus)
- VI. **Model-atmosphere abundance analysis of the He-weak star 36 Lyn.**
Koçer D., Bolcal C., Goldbasi O., Saglamsaatci M.
Turkish Journal of Pysics and Astrophysics, vol.11, no.3, pp.266-272, 1987 (Peer-Reviewed Journal)
- VII. **Line identification in the spectrum of 36 Lyn.**
Bolcal C., Koçer D., Özkan M. T.
İstanbul Üniversitesi Fen Fakültesi Mecmuası, no.49, pp.21-30, 1984 (Peer-Reviewed Journal)
- VIII. **The experimental curve of growth for neutral and single ionized chromium through different sets of oscillator strengths.**
Koçer D.
İstanbul Üniversitesi Fen Fakültesi Mecmuası, no.47, pp.23-30, 1982 (Peer-Reviewed Journal)
- IX. **A list of line identification, equivalent width data and radial velocity measurements of two metallic-line and one normal A stars in the Praesepe open cluster.**
Koçer D.
İstanbul Üniversitesi Fen Fakültesi Mecmuası, no.45, pp.9-27, 1982 (Peer-Reviewed Journal)
- X. **The experimental solar curve of growth for Fe II with different sets of oscillator strengths.**
Koçer D.
İstanbul Üniversitesi Fen Fakültesi Mecmuası, vol.46, pp.39-55, 1981 (Peer-Reviewed Journal)
- XI. **The experimental solar curve of growth for neutral and single ionized titanium through different oscillator strength sets.**
Koçer D.
İstanbul Üniversitesi Fen Fakültesi Mecmuası, no.46, pp.135-150, 1981 (Peer-Reviewed Journal)
- XII. **The sunspot observations made in 1975**
Kocer D.
İstanbul Üniversitesi Fen Fakültesi Mecmuası, no.45, pp.187-203, 1980 (Peer-Reviewed Journal)
- XIII. **Metallic-line stars in Praesepe open cluster: model atmosphere analysis and abundances.**
Kocer D.
İstanbul Üniversitesi Fen Fakültesi Astronomi ve Fizik Dergisi, no.113, pp.9-27, 1980 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **astronominin penceresinden bilginin coğrafyalar arasındaki serüveni**
KOÇER D.
in: AstroBilgi, Evren Serdar, Editor, İstanbul Kültür Üniversitesi yayınları, İstanbul, pp.2-318, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **Multi wavelength spectra of Herbig B-e star HD 200775(1)**

DENİZMAN L., KOKTAY T., KOCER D., EKER T., HACK M.

1st International Meeting on the Nature and Evolutionary Status of Herbig Ae/Be Stars, Amsterdam, Netherlands, 26 - 29 October 1993, pp.119-123

II. **ELEMENTAL ABUNDANCES OF SHARP-LINED METALLIC-LINED AND COMPARABLE NORMAL STARS**

KOCER D., ADELMAN S., BOLCAL C., HILL G.

138th International Astronomical Union Colloquium on Peculiar Versus Normal Phenomena in A-Type and Related Stars, Trieste, Italy, 01 July 1992, pp.213-217

Supported Projects

KOÇER D., Metallic Lined and Normal A Stars, Continues

KOÇER D., Alpha Dra ve Tau Her Yıldızlarının Nitel ve Nicel Atmosfer Analizi, Continues

KOÇER D., Normal ve Özel F Tipi Yıldızların Spektrel Analizi, Continues

KOÇER D., Be Yıldızlarının Spektroskopisi, Continues

Koçer D., Yelkenci A. F., Project Supported by Higher Education Institutions, 101 Her ve 11 Del Yıldızlarının Atmosferlerinin Nitel Analizi, 2000 - 2001

Metrics

Publication: 38

Citation (WoS): 181

Citation (Scopus): 22

H-Index (WoS): 9

H-Index (Scopus): 2

Invited Talks

Astronomi ve Astrofizik, Conference, Tübitak Bilim Söyleşileri, Turkey, December 2023

Işık Kirliliği, Conference, Tübitak Bilim Söyleşileri, Turkey, December 2023

7 Bilge 7 Bölge : Astronomi ve Uluğ Bey, Conference, Atatürk Kültür Merkezi Başkanlığı ve Van Yüzüncü Yıl Üniversitesi, Turkey, September 2023

Aynı Gökyüzü altında Astrobilgi Öğretmen Seminerleri, Conference, Düzce Milli Eğitim Müdürlüğü ve Düzce Bilim ve Sanat Merkezi, Turkey, May 2023

Gökyüzü ile Buluşma Etkinlikleri, Conference, Fatih İlçe Milli Eğitim Müdürlüğü - İLELEV, Turkey, May 2023