

# Assoc. Prof. Zahide Funda BOSTANCI GÜVER

## Personal Information

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## Education Information

Post Doctorate, İstanbul Üniversitesi, Faculty of Science, Astrofizik, Turkey 2013 - 2014

Post Doctorate, Sabancı Üniversitesi, Mühendislik Ve Doga Bilimleri Fakültesi, Astrofizik, Turkey 2011 - 2013

Doctorate, İstanbul Üniversitesi, Fen Bilimleri, Astronomi Ve Uzay Bilimleri, Turkey 2004 - 2009

Post Graduate, İstanbul Üniversitesi, Fen Bilimleri, Astronomi Ve Uzay Bilimleri, Turkey 2000 - 2004

Under Graduate, İstanbul Üniversitesi, Faculty of Science, Astronomi Ve Uzay Bilimleri, Turkey 1995 - 1999

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Güneş Disk Merkezi Civarında Sakin Bir Kromosferik Bölgenin İnce Yapısı Üzerine Bir Çalışma, İstanbul University, Institute of Graduate Studies In Sciences, Astronomi Ve Uzay Bilimleri, 2009

Post Graduate, Güneş Gözlemlerinde İki Boyutlu Spekl Spektroskopisi, İstanbul University, Institute of Graduate Studies In Sciences, Astronomi Ve Uzay Bilimleri, 2004

## Research Areas

Physics, Astronomy and Astrophysics, Natural Sciences

## Academic Titles / Tasks

Associate Professor, İstanbul University, Faculty of Science, Astronomy and Space Sciences, 2017 - Continues

Assistant Professor, İstanbul University, Faculty of Science, Astronomy and Space Sciences, 2014 - 2018

Research Assistant, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Astronomi Ve Uzay Bilimleri, 2000 - 2009

Research Assistant, Universiteit Utrecht, Science Faculty, Physics, 2008 - 2008

## Professional Experience

Deputy Head of Department, İstanbul University, Faculty Of Science, Astronomy And Space Sciences, 2020 - Continues

Fakülte Yönetim Kurulu Üyesi, İstanbul University, Faculty Of Science, Astronomy And Space Sciences, 2019 - Continues

## Courses

Solar Physics, Under Graduate, 2019 - 2020

Astronomide IDL Programlamaya Giriş, Post Graduate, 2019 - 2020  
Astronomide IDL Programlama I, Post Graduate, 2015 - 2016  
Bilgisayar III, Under Graduate, 2016 - 2017  
Astronomide IDL Programlama II, Post Graduate, 2015 - 2016  
Güneşte İnce Yapı Fiziğinin Ortaya Çıkarılmasında Kullanılan Yöntemler ve Teknikler , Post Graduate, 2015 - 2016  
Astrofizikte Radyatif Süreçler, Under Graduate, 2015 - 2016

## Advising Theses

Bostancı Güver Z. F. , INVESTIGATION OF THE RADIAL METALLICITY GRADIENT IN OUR GALAXY VIA OPEN CLUSTERS, Doctorate, T.YONTAN(Student), 2020

Bostancı Güver Z. F. , Güneş Parlamalarında Yarı-Periyodik Salınımların X-ışınlarında Araştırılması, Post Graduate, H.Atasoy(Student), 2020

BOSTANCI GÜVER Z. F. , Avrupa Güney Gözleminden Seçilmiş Açık Kümelerin Fotometrik Analizi, Post Graduate, B.Ayşe(Student), 2019

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Metallicity and absolute magnitude calibrations for F-G type main-sequence stars in the Gaia era**  
Çelebi M., Bilir S., Ak S., Ak T., Bostancı Z. F. , Yontan T.  
ASTROPHYSICS AND SPACE SCIENCE, vol.364, 2019 (Journal Indexed in SCI)
- **CCD UBV photometric and Gaia astrometric study of eight open clusters-ASCC 115, Collinder 421, NGC 6793, NGC 7031, NGC 7039, NGC 7086, Roslund 1 and Stock 21**  
Yontan T., Bilir S., Bostancı Z. F. , Ak T., Ak S., Guver T., Paunzen E., Urgup H., Çelebi M. S. , Akti B. A. , et al.  
ASTROPHYSICS AND SPACE SCIENCE, vol.364, 2019 (Journal Indexed in SCI)
- **CCD UBV photometric study of five open clusters-Dolidze 36, NGC 6728, NGC 6800, NGC 7209, and Platais 1**  
Bostancı Z. F. , Yontan T., Bilir S., Ak T., Guver T., Ak S., Paunzen E., Basaran C. S. , Vurgun E., Akti B. A. , et al.  
ASTROPHYSICS AND SPACE SCIENCE, vol.363, 2018 (Journal Indexed in SCI)
- **Metallicity calibration and photometric parallax estimation: II. SDSS photometry**  
Guctekin S. T. , Bilir S., Karaali S., Plevne O., Ak S., Ak T., Bostancı Z. F.  
ASTROPHYSICS AND SPACE SCIENCE, vol.362, 2017 (Journal Indexed in SCI)
- **CCD UBV photometry and kinematics of the open cluster NGC 225**  
Bilir S., Bostancı Z. F. , Yontan T., Guver T., BAKIŞ V., Ak T., Ak S., Paunzen E., EKER Z.  
ADVANCES IN SPACE RESEARCH, vol.58, pp.1900-1914, 2016 (Journal Indexed in SCI)
- **Local Stellar Kinematics from RAVE data-VII. Metallicity Gradients from Red Clump Stars**  
Tas Ö., Bilir S., Seabroke G. M. , Karaali S., Ak S., Ak T., Bostancı Z. F.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.33, 2016 (Journal Indexed in SCI)
- **Local Stellar Kinematics with RAVE VII. Metallicity Gradients from Red Clump Stars**  
ÖNAL TAŞ Ö., BİLİR S., Seabroke G. M. , Karaali S., AK S., AK T., BOSTANCI GÜVER Z. F.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.33, pp.1-20, 2016 (Journal Indexed in SCI)
- **Metallicity calibration and photometric parallax estimation: I. UBV photometry**  
Guctekin S. T. , Bilir S., Karaali S., Ak S., Ak T., Bostancı Z. F.  
ASTROPHYSICS AND SPACE SCIENCE, vol.361, 2016 (Journal Indexed in SCI)
- **CCD UBV photometry of the open cluster NGC 6819**  
Ak T., Bostancı Z. F. , Yontan T., Bilir S., Guver T., Ak S., Urgup H., Paunzen E.  
ASTROPHYSICS AND SPACE SCIENCE, vol.361, 2016 (Journal Indexed in SCI)
- **Local Stellar Kinematics from RAVE Data - VI. Metallicity Gradients Based on the F-G Main-Sequence Stars**  
Plevne O., Ak T., Karaali S., Bilir S., Ak S., Bostancı Z. F.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.32, 2015 (Journal Indexed in SCI)

- **A comprehensive study of the open cluster NGC 6866**  
Bostanci Z. F. , Ak T., Yontan T., Bilir S., Guver T., Ak S., ÇAKIRLI Ö., ÖZDARCAN O., Paunzen E., DE CAT P., et al.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.453, pp.1095-1107, 2015 (Journal Indexed in SCI)
- **Short gamma-ray bursts with extended emission observed with Swift/BAT and Fermi/GBM**  
Kaneko Y., Bostanci Z. F. , Gogus E., Lin L.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.452, pp.824-837, 2015 (Journal Indexed in SCI)
- **CCD UBVRI photometry of NGC 6811**  
Yontan T., Bilir S., Bostanci Z. F. , Ak T., Karaali S., Guver T., Ak S., Duran S., Paunzen E.  
ASTROPHYSICS AND SPACE SCIENCE, vol.355, pp.267-281, 2015 (Journal Indexed in SCI)
- **Oscillatory behaviour of chromospheric fine structures in a network and a semi-active region**  
Bostanci Z. F. , Gultekin A., Al N.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.443, pp.1267-1273, 2014 (Journal Indexed in SCI)
- **A new absolute magnitude calibration for red clump stars**  
Bilir S., Ak T., Ak S., Yontan T., Bostanci Z. F.  
NEW ASTRONOMY, pp.88-97, 2013 (Journal Indexed in SCI)
- **Local Stellar Kinematics from RAVE Data: IV. Solar Neighbourhood Age-Metallicity Relation**  
Duran S., Ak S., Bilir S., Karaali S., Ak T., Bostanci Z. F. , Coskunoglu B.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.30, 2013 (Journal Indexed in SCI)
- **Gamma-ray bursts with extended emission observed with BATSE**  
Bostanci Z. F. , Kaneko Y., Gogus E.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.428, pp.1623-1630, 2013 (Journal Indexed in SCI)
- **Cloud modeling of a network region in H alpha**  
Bostanci Z. F.  
ASTRONOMISCHE NACHRICHTEN, vol.332, pp.815-820, 2011 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Cloud modeling of a quiet solar region in Halpha**  
BOSTANCI GÜVER Z. F. , AL N.  
Memorie della Societa Astronomica Italiana, no.81, pp.769-773, 2010 (Refereed Journals of Other Institutions)
- **The Sunspot Observations Made In 2001**  
BOSTANCI GÜVER Z. F.  
Journal of Mathematics, Physics and Astronomy, vol.2, pp.2007101-20071029, 2007 (National Refreed University Journal)
- **The Sunspot Observations Made in 1999**  
BAŞAL M., BOSTANCI GÜVER Z. F.  
Journal of Mathematics, Physics and Astronomy, vol.2, pp.2007081-20070819, 2007 (National Refreed University Journal)
- **The Sunspot Observations Made In 2005**  
GÜVER T., BOSTANCI GÜVER Z. F.  
Journal of Mathematics, Physics and Astronomy, vol.2, pp.2007141-20071412, 2007 (National Refreed University Journal)

## Refereed Congress / Symposium Publications in Proceedings

- **Güneş'in Kromosfer Tabakasında Gözlenen Salınımlar**  
BOSTANCI GÜVER Z. F. , GÜLTEKİN ANNAK A., AL N.

19. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015, pp.15
- **Fotosferik parlak noktalar ile kromosferik salınımlar arasındaki ilişki**  
GÜLTEKİN ANNAK A., AL N., BOSTANCI GÜVER Z. F.  
19. Ulusal Astronomi Kongresi, Ankara, Turkey, 2 - 06 February 2015, pp.21
  - **Short GRBs with Extended Emission Observed with Swift and Fermi/GBM**  
Kaneko Y., BOSTANCI GÜVER Z. F. , Göğüş E., Lin L.  
Swift: 10 Years of Discovery, Rome, Italy, 2 - 05 December 2014, pp.1
  - **Short GRBs with Extended Emission Identified in Swift/BAT and Fermi/GBM data**  
Kaneko Y., BOSTANCI GÜVER Z. F. , Göğüş E., Lin L.  
Explosive Transients: Lighthouses of the Universe, Santorini, Greece, 15 - 20 September 2013, pp.1
  - **Search for GRBs with extended emission using Swift/BAT and Fermi/GBM data**  
BOSTANCI GÜVER Z. F. , Kaneko Y., Lin L., Göğüş E.  
Huntsville Gamma Ray Bursts Symposium GRB 2013, Nashville, Tennessee, United States Of America, 14 - 18 April 2013, pp.1
  - **Fourier analysis of chromospheric fine structures in two different regions**  
BOSTANCI GÜVER Z. F. , GÜLTEKİN ANNAK A., AL N.  
39th COSPAR Scientific Assembly, Mysore, India, 14 - 22 July 2012, pp.224
  - **A study about the solar chromosphere above photospheric bright points**  
GÜLTEKİN ANNAK A., BOSTANCI GÜVER Z. F. , AL N.  
39th COSPAR Scientific Assembly, Mysore, India, 14 - 22 July 2012, pp.12
  - **A Study of Gamma-Ray Bursts with extended emission observed with BATSE**  
BOSTANCI GÜVER Z. F. , Kaneko Y., Göğüş E.  
The Fermi/Swift Gamma Ray Bursts Conference 2012, Munich, Germany, 7 - 11 May 2012, pp.73
  - **Cloud modeling of bright and dark mottles in H<sub>α</sub>**  
BOSTANCI GÜVER Z. F. , AL N., Rutten R. J. , Uitenbroek H., Reardon K., Cauzzi G., Tritschler A.  
NSO Workshop #25, Chromospheric Structures and Dynamics From Old Wisdom to New Insights, New Mexico, United States Of America, 31 August - 04 September 2009, pp.4
  - **Cloud modelling of features in H<sub>α</sub> & Call 854.2 nm**  
BOSTANCI GÜVER Z. F. , Rutten R. J. , Uitenbroek H., Reardon K., Cauzzi G.  
The 12th European Solar Physics Meeting, Freiburg, Germany, 8 - 12 September 2008, pp.45
  - **Physical parameters of dark mottles in a rosette observed in H<sub>α</sub>**  
AL N., BOSTANCI GÜVER Z. F. , GÜLTEKİN ANNAK A.  
12th European Solar Physics Meeting, Freiburg, Germany, 8 - 12 September 2008, pp.29
  - **Temporal evolution of mottles in H<sub>α</sub>**  
BOSTANCI GÜVER Z. F. , AL N.  
Coimbra Solar Physics Meeting on the Physics of Chromospheric Plasmas, Coimbra, Portugal, 9 - 13 November 2006, vol.368, pp.123-126
  - **Two-Dimensional Observation of a Small Active Region in H<sub>α</sub>**  
Gültekin Annak A., Bostancı Güver Z. F. , Al N.  
Coimbra Solar Physics Meeting on The Physics of Chromospheric Plasmas, Coimbra, Portugal, 9 - 13 October 2006, no.368, pp.119-122
  - **Physical Parameters of Dark Mottles in H<sub>α</sub>**  
BOSTANCI GÜVER Z. F.  
Proceedings of The International Scientific Conference On Chromospheric And Coronal Magnetic Fields, Katlenburg-Lindau, Germany, 30 August - 02 September 2005, vol.1, pp.53-57
  - **Güneş'in Kromosfer Tabakasında H<sub>α</sub> Spektrel Çizgisinde Gözlenen İnce Yapıların Özellikleri**  
AL N., BOSTANCI GÜVER Z. F.  
XIV.Ulusal Astronomi Kongresi, Kayseri, Turkey, 31 August - 04 September 2004, pp.31-35
  - **Güneş Gözlemlerinde 2-Boyutlu Spektroskopik Verilere Spekl Rekonstrüksiyon Yönteminin Uygulanması**  
BOSTANCI GÜVER Z. F. , AL N.  
XIV.Ulusal Astronomi Kongresi, Kayseri, Turkey, 31 August - 04 September 2004, pp.442
  - **Kromosferik İnce Yapıların Dinamiği**

BOSTANCI GÜVER Z. F.

XIII. Ulusal Astronomi Kongresi, Antalya, Turkey, 2 - 06 September 2002, pp.382

- **On the Purposes of Georgian-Turkish Joint Group at Solar Eclipse in Elazığ, Astronomical Society of The Pascific Conference Series**

Gigolashvili M., Khetsuriani T., Khutsisvili E., Kiladze R., Salukvadze G., Gheonjan L. A. , Mayer A., Japaridze D., Kapanadze Z., ÖKTEN A., et al.

The Last Total Eclipse of The Millennium in Turkey, İstanbul, Turkey, 13 - 15 August 1999, vol.205, pp.190-195

- **Objectives of the Georgian-Turkish Joint Group at Solar Eclipse in Elazığ, Astronomical Society of The Pascific Conference Series**

Gigolashvili M., Khetsuriani T., Khutsisvili E., Kiladze R., Salukvadze G., Gheonjan L. A. , Mayer A., Japaridze D., Kapanadze Z., ÖKTEN A., et al.

The Last Total Eclipse of The Millennium in Turkey, İstanbul, Turkey, 13 - 15 August 1999, vol.205, pp.190-195

- **Örnek Bir Web Sitesi: Astronomi Ve Uzay Bilimleri Bölümü Ve Gözlemevi Uygulama ve Araştırma Merkezi Web Sayfası**

GÜLSEÇEN S., BİLİR S., GÜLTEKİN ANNAK A., Özgür B., BOSTANCI GÜVER Z. F. , Erdeve I.

XI. Ulusal Astronomi Kongresi, Elazığ, Turkey, 7 - 10 August 1999, pp.71

## Supported Projects

Bostancı Güver Z. F. , Kaneko Y., Göğüş E., TUBITAK Project, Search for and Detailed Investigations of Gamma Ray Bursts with Extended Emission, 2020 - 2021

Bostancı Güver Z. F. , Güver T., TUBITAK Project, Investigation of Quasi-Periodic Pulsations in Solar Flares in High Energies, 2017 - 2020

BOSTANCI GÜVER Z. F. , YONTAN T., BİLİR S., Project Supported by Higher Education Institutions, Galaksimizdeki Radyal Metal Bolluğu Gradyentinin Açık Kümeler Yoluyla İncelenmesi, 2016 - 2020

BOSTANCI GÜVER Z. F. , AK S., ÖNAL TAŞ Ö., BİLİR S., YONTAN T., ATAŞ O. H. , AK T., PLEVNE O., ÜRGÜP H., Project Supported by Higher Education Institutions, Güneş Civarında Yaş-Metal Bolluğu İlişkisinin SDSS Verileriyle Araştırılması, 2017 - 2018

Ak S., Bilir S., Bostancı Güver Z. F. , Önal Taş Ö., TUBITAK Project, Samanyolu Galaksisinin Metal Bolluğu Haritası, 2015 - 2018

Ak T., Bilir S., Ak S., Güver T., Bostancı Güver Z. F. , TUBITAK Project, Galaktik Diskin Evriminin Açık Kümelerle İncelenmesi, 2014 - 2017

BOSTANCI GÜVER Z. F. , Project Supported by Higher Education Institutions, Seçilmiş Bazı Açık Kümelerinin Fotometrik San Pedro Martir Gözlemleri-1, 2015 - 2016

AK T., YONTAN T., BİLİR S., AK S., GÜVER T., BOSTANCI GÜVER Z. F. , Project Supported by Higher Education Institutions, ÖTEGEZENLERİN FOTOMETRİK GÖZLEMLERİ, 2014 - 2016

BİLİR S., AK S., BOSTANCI GÜVER Z. F. , YONTAN T., AK T., GÜVER T., Project Supported by Higher Education Institutions, NGC 225 Açık Kümesinin Fotometrik Analizi, 2014 - 2016

BOSTANCI GÜVER Z. F. , Project Supported by Higher Education Institutions, Güneş'in Kromosfer Tabakasında Gözlenen Salınımlar, 2015 - 2015

BOSTANCI GÜVER Z. F. , Project Supported by Higher Education Institutions, Güneş Kromosferinin Farklı Tabakalarında Gözlenen İnce Yapıların Dinamiği, 2014 - 2015

AK T., TUBITAK Project, NGC 6811 ve NGC 6866 Açık Kümelerinin Çok Renk Fotometrik Analizi, 2013 - 2014

Göğüş E., TUBITAK Project, Gama Işını Patlamaları Tayf Özelliklerinin Geniş Dalgaboyu Bandında İncelenmesi, 2010 - 2013

EU Framework Program Project, The USO-SP International School for Solar Physics, 2006 - 2010

Bilir S., Gülseçen S., Bostancı Güver Z. F. , Gültekin Annak A., Erdeve I., Özgür B., Project Supported by Higher

Education Institutions, Örnek Bir WEB Sitesi: Astronomi Ve Uzay Bilimleri Bölümü Ve Gözlemevi Araştırma Ve Uygulama Merkezi WEB Sayfası, 1999 - 2000

## Scientific Refereeing

Astrophysics and Space Science (ASTR), SCI Journal, January 2016  
BPU9 AIP Conference Proceeding, Other journals, December 2015  
BPU9 AIP Conference Proceeding, Other Indexed Journal, November 2015  
BPL -Balkan Physics Letters, Other journals, October 2015

## **Citations**

Total Citations (WOS):132

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