

## Assoc. Prof. NESİBE ÖZEL

### Personal Information

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**Address:** Erciyes Üniversitesi Fen Fakültesi Astronomi ve Uzay Bilimleri Bölümü 38039 Melikgazi Kayseri

### International Researcher IDs

ORCID: 0000-0002-1168-4124

Yoksis Researcher ID: 191226

### Education Information

Post Doctorate, Departement D'astrophysique, Géophysique Et Océanographie, Enstitü, Astrofizik, Belgium 2011 - 2012

Doctorate, Observatoire de Paris, Enstitü, Astrofizik, France 2005 - 2010

Doctorate, Middle East Technical University, Fen Fakültesi, Fizik, Turkey 2003 - 2004

Postgraduate, Middle East Technical University, Fen Fakültesi, Fizik, Turkey 2000 - 2003

### Foreign Languages

English, C1 Advanced

French, C1 Advanced

### Certificates, Courses and Trainings

Foreign Language, Fransızca Yeterlilik Sertifikası, Centre Audiovisuel de Royan pour L'Etude de Langues, Fransa, 2005

Foreign Language, İngilizce Yeterlilik Sertifikası, School of Foreign Languages, Middle East Technical University, Türkiye, 2000

### Dissertations

Doctorate, Pertinence des Observables pour Contraindre des Modeles Stellaire , Observatoire De Paris, Lesia, Astrophysique, 2010

Postgraduate, Radial and Nonradial Oscillations in Stars with Gravitational Potential Perturbation , Orta Doğu Teknik Üniversitesi, Physics, Astrophysics, 2003

### Research Areas

Basic Sciences, Physics, Astronomy and Astrophysics, Stars

## Academic Titles / Tasks

Associate Professor, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, 2012 - Continues

## Academic and Administrative Experience

Erciyes University, 2018 - Continues

## Courses

TDYL, Postgraduate, 2016 - 2017  
Yıldız Dengesi ve Astrosismoloji, Postgraduate, 2016 - 2017  
Araştırma Metodları ve Yayın Etiği, Postgraduate, 2016 - 2017  
Uzmanlık Alan Dersi, Postgraduate, 2016 - 2017  
Yıldız Atmosferleri, Postgraduate, 2015 - 2016  
Astronomi Tarihi, Undergraduate, 2015 - 2016  
Bitirme Tezi, Undergraduate, 2015 - 2016  
Astrofiziğe Giriş, Undergraduate, 2015 - 2016  
Yıldız Atmosferleri, Undergraduate, 2013 - 2014  
Yıldız İç Yapı Modelleri, Postgraduate, 2012 - 2013  
Güneş Sistemi, Undergraduate, 2013 - 2014

## Advising Theses

ÖZEL N., ASTROSİSMOLOJİDE ÖLÇEKLENDİRME İLİŞKİLERİNİN TEST EDİLMESİ, Postgraduate, M.Aşan(Student), 2016  
ÖZEL N., DİFERANSİYEL ASTROSİSMOLOJİ ve COROT ve KEPLERİN POTANSİYEL SİSMİK İKİZLERİ, Postgraduate, H.Eser(Student), 2015

## Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunması, Ankara Üniversitesi, January, 2018  
Post Graduate, Yüksek Lisans Tez Savunması, Erciyes Üniversitesi, July, 2017  
Doctorate, Doktora Tez Savunması, Ege Üniversitesi, June, 2017  
Doctorate, Doktora Tez Savunması, Ege Üniversitesi, February, 2017  
Post Graduate, Doktora Yeterlilik Sınavı, Ege Üniversitesi, September, 2014

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

- I. **Differential asteroseismic study of seismic twins observed by CoRoT Comparison of HD 175272 with HD 181420**  
Ozel N., Mosser B., Dupret M. A., Bruntt H., Barban C., Deheuvels S., Garcia R. A., Michel E., Samadi R., Baudin F., et al.  
ASTRONOMY & ASTROPHYSICS, vol.558, 2013 (SCI-Expanded)
- II. **Quantitative estimates of the constraints on solar-like models imposed by observables**  
ÖZEL N., Dupret M. -, Baglin A.  
ASTRONOMY & ASTROPHYSICS, vol.532, 2011 (SCI-Expanded)
- III. **How asteroseismology can constrain the global parameters of solar-like star models**  
ÖZEL N., Dupret M. -, Baglin A.  
ASTROPHYSICS AND SPACE SCIENCE, vol.328, pp.67-71, 2010 (SCI-Expanded)
- IV. **Relative Weights of the Observational Constraints on the Determination of Stellar Parameters**

ÖZEL N.

Communications in Astronomy, pp.158-285, 2009 (SCI-Expanded)

V. **Pulsation Properties of V2109 Cyg**

ÖZEL N.

ASTRONOMISCHE NACHRICHTEN, pp.118-121, 2005 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

I. **Dwarf nova in Pegasus = PNV J23272715+0855391**

ÖZEL N.

NEON Observing School, Belgium, 1 - 04 January 2012, pp.2

II. **Supernova 2012et in MCG +04-55-47 = Psn J23423882+2705315**

ÖZEL N.

NEON Observing School, Belgium, 1 - 04 January 2012, pp.2

III. **Study of Cen Binary System using the Minimisation Algorithm of Levenberg-Marquardt**

ÖZEL N.

Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics, France, 1 - 04 July 2007, pp.545

IV. **Seismic study of the Alpha Centauri binary system using the minimisation algorithm of Levenberg-Marquardt**

ÖZEL N.

Annual meeting of the French Society of Astronomy and Astrophysics, France, 1 - 04 July 2007, pp.545

## **Supported Projects**

Özel N., Municipality, STEM Eğitiminde Bilim, 2019 - 2019

ÖZEL N., TUBİTAK Project, Differensiyel Asteroseismology and Potential Seismic Twins of Corot and Kepler Missions, 2014 - 2016

ÖZEL N., Other International Funding Programs, Astroseismology of Stars and Data Analysis Technics, 2011 - 2012

## **Memberships / Tasks in Scientific Organizations**

TUBİTAK/Panelist, Member, 2013 - Continues

## **Scientific Refereeing**

Turkish Physical Journal, National Scientific Refreed Journal, June 2017

## **Scientific Consultations**

Birleşmiş Milletler, Other, Erciyes University, Fen Fakültesi, Astronomi ve Uzay Bilimleri, Turkey, 2016 - 2017

## **Metrics**

Publication: 9

Citation (WoS): 15

Citation (Scopus): 14

H-Index (WoS): 2

H-Index (Scopus): 2

## Congress and Symposium Activities

TUBİTAK, Panelists, Ankara, Turkey, 2017

TUBİTAK, Panelists, Ankara, Turkey, 2017

TUBİTAK, Panelists, Ankara, Turkey, 2017

TUBİTAK, Panelists, Ankara, Turkey, 2017

TUBİTAK, Panelists, Ankara, Turkey, 2017

Improvements of Stellar Structure Models By Using 3D RHD Simulations, Attendee, Kayseri, Turkey, 2016

TUBİTAK, Panelists, Ankara, Turkey, 2016

TUBİTAK, Panelists, Ankara, Turkey, 2016

TUBİTAK, Panelists, Ankara, Turkey, 2016

Scientific Collaboration: Patched models of 3D RHD surface structures to interior stellar models, Attendee, Heidelberg, Germany, 2016

TUBİTAK, Panelists, Ankara, Turkey, 2016

TUSAŞ Uzay/Uydu Teknolojileri Çalıştayı, Attendee, Ankara, Turkey, 2015

Youth Leadership Conference & United Nations Global Youth Center in İstanbul, Attendee, Paris, France, 2015

The Potential Diagnostic of Differential Seismic Method in Constraining Stellar Models, Attendee, İstanbul, Turkey, 2015

16th National Astronomy Conference at the Middle East Technical University, Attendee, METU/Ankara, Turkey, 2015

Seminar at Erciyes University - Spectrophotometry of Open Cluster NGC 752, Attendee, Kayseri, Turkey, 2014

Differential Asteroseismology, Attendee, Liege, Belgium, 2014

Seminar at Erciyes University - Diferansiyel Astrosismoloji ve CoRoT ve Kepler'in sismik ikizleri: HD 175272- HD 181420, Attendee, Kayseri, Turkey, 2013

Seminar at Erciyes University - Yıldız modellerinin belirlenmesinde gözlemsellerin önemi, Attendee, Kayseri, Turkey, 2013

Fujihara Seminar-Differential Seismic Modeling of Stars, Attendee, Hakone, Japan, 2012

10th NEON Observing School at Asiago Astrophysical Observatory-Spectrophotometry of Open Cluster NGC 752, Attendee, Asiago, Italy, 2012

40th Liege International Astrophysical Colloquium-Ageing low mass stars: from red giants to white dwarfs, Attendee, Liege, Belgium, 2012

BAG meeting, University of Liege, Belgium-Rotation in Pulsating Stars, Attendee, Liege, Belgium, 2012

Seminar at Middle East Technical University (METU), Attendee, Ankara, Turkey, 2010

Seminar at Middle East Technical University (METU) in Ankara, Invited Speaker, Ankara, Turkey, 2010

Seminar at Tubitak National Observatory (TUG) in Antalya, Invited Speaker, Antalya, Turkey, 2010

Seminar at Tubitak National Observatory (TUG), Attendee, Antalya, Turkey, 2010

Seminar at the MPA in Garching, Attendee, Garching, Germany, 2009

Seminar at the MPA in Garching, Invited Speaker, Germany, 2009

HELAS-NA5 workshop: Synergies between solar and stellar modelling, June 22-26 2009, Attendee, Rome, Italy, 2009

HELAS-NA5 workshop: Synergies between solar and stellar modelling, Invited Speaker, Italy, 2009

International Young Astronomers School on CoRoT Astrophysics: The Star and its Planetary System in the Wake of CoRoT Advances, Attendee, Paris, France, 2008

The CNRS School of Astronomy: The Pulsations of the Sun and Stars, Attendee, Saint-Flour, France, 2008

Doctoral Course in Astroseismology, Attendee, Liege, Belgium, 2008

NATO-ASI Conference and Summer School, Attendee, Marmaris, Turkey, 2004

XXXII International Physics Olympics 2001, Attendee, Antalya, Turkey, 2001

## Scholarships

2219 BIDEB, University, 2012 - Continues