

## Res. Asst. Başar COŞKUNOĞLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: A-7825-2019

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### Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Astronomi ve Uzay Bilimleri, Turkey 2009 - 2020

Postgraduate, Istanbul University, Faculty Of Science, Astronomi Ve Uzay Bilimleri, Turkey 2007 - 2009

Undergraduate, Istanbul University, Faculty Of Science, Astronomi Ve Uzay Bilimleri, Turkey 2003 - 2007

### Foreign Languages

German, B2 Upper Intermediate

English, C1 Advanced

### Dissertations

Doctorate, Analysis of common stars in rave and xmm catalogues, Istanbul University, Institute of Graduate Studies In Sciences, Astronomi ve Uzay Bilimleri, 2020

Postgraduate, RAVE Taramasındaki Anakol Yıldızlarının Kinematik Özelliklerinin İncelenmesi, Istanbul University, Institute of Graduate Studies In Sciences, Astronomi Ve Uzay Bilimleri, 2009

### Research Areas

Physics, Astronomy and Astrophysics, Star Systems, Interstellar Medium, The Galaxy, Galactic and Extragalactic Objets and Systems, Cosmology, Natural Sciences

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

- I. **Gould Belt members in X-ray RAVE: cross-matching RAVE stars with 3XMM point sources**  
Coskunoglu B., Plevne O., Ozkan M. T.  
ASTROPHYSICS AND SPACE SCIENCE, vol.364, no.1, 2019 (SCI-Expanded)
- II. **Colour Transformations between BVRc and g ' r ' i ' Photometric Systems for Giant Stars**  
Ak S., Ak T., Karaali S., Bilir S., Guctekin S. T., Taş O., Ozturkmen N. D., Duran S., Coskunoglu B., Yontan T., et al.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.31, 2014 (SCI-Expanded)

- III. **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 (SCI-Expanded)
- IV. **Local stellar kinematics from RAVE data - II. Radial metallicity gradient**  
Coskunoglu B., Ak S., Bilir S., Karaali S., Onal Ö., Yaz E., Gilmore G., Seabroke G. M.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.419, pp.2844-2854, 2012 (SCI-Expanded)
- V. **Identification of field dwarfs and giants in the second Radial Velocity Experiment Data Release**  
Bilir S., Karaali S., Ak S., Onal O., Coskunoglu B., Seabroke G. M.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.418, pp.444-455, 2011 (SCI-Expanded)
- VI. **Transformations between the WISE, 2MASS, SDSS and BVRI photometric systems - I. Transformation equations for dwarfs**  
Bilir S., Karaali S., Ak S., Dagtekin N. D., Onal Ö., Yaz E., Coskunoglu B., Cabrera-Lavers A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.417, no.3, pp.2230-2238, 2011 (SCI-Expanded)
- VII. **Local stellar kinematics from RAVE data - I. Local standard of rest**  
Coskunoglu B., Ak S., Bilir S., Karaali S., Yaz E., Gilmore G., Seabroke G. M., Bienayme O., Bland-Hawthorn J., Campbell R., et al.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.412, pp.1237-1245, 2011 (SCI-Expanded)
- VIII. **An Improved Metallicity Calibration with UBV Photometry**  
Karaali S., Bilir S., Ak S., Yaz E., Coskunoglu B.  
PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.28, no.2, pp.95-106, 2011 (SCI-Expanded)
- IX. **Transformations between the 2MASS, SDSS, and BVI photometric systems for late-type giants**  
Yaz E., Bilir S., Karaali S., Ak S., Coskunoglu B., Cabrera-Lavers A.  
ASTRONOMISCHE NACHRICHTEN, vol.331, no.8, pp.807-816, 2010 (SCI-Expanded)
- X. **The age of cataclysmic variables: A kinematical study**  
Ak T., Bilir S., Ak S., Coskunoglu K. B., EKER Z.  
NEW ASTRONOMY, vol.15, no.6, pp.491-508, 2010 (SCI-Expanded)
- XI. **CCD BV and 2MASS photometric study of the open cluster NGC 1513**  
Bilir S., Guever T., Khamitov İ., Ak T., Ak S., Coskunoglu K. B., Paunzen E., Yaz E.  
ASTROPHYSICS AND SPACE SCIENCE, vol.326, no.1, pp.139-150, 2010 (SCI-Expanded)
- XII. **SDSS absolute magnitudes for thin-disc stars based on trigonometric parallaxes**  
Bilir S., Karaali S., Ak S., Coskunoglu K. B., Yaz E., Cabrera-Lavers A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.396, no.3, pp.1589-1595, 2009 (SCI-Expanded)
- XIII. **Luminosity-colour relations for thin-disc main-sequence stars**  
Bilir S., Karaali S., Ak S., Yaz E., Cabrera-Lavers A., Coskunoglu K. B.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.390, no.4, pp.1569-1576, 2008 (SCI-Expanded)

## Books & Book Chapters

- I. **Astronomy for dummies**  
Aliş S., Yelkenci F. K., Coşkunoglu B.  
Nobel Yayın Dağıtım, Ankara, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **RAVE Verilerinden Yerel Durağanlık Standardının Hesaplanması**  
COŞKUNOĞLU B., AK S., BİLİR S., Karaali S., Yaz E., Gilmore G.  
XVII. Ulusal Astronomi Kongresi, Adana, Turkey, 1 - 04 January 2011, pp.187
- II. **NGC 1513 Açık Kümesinin CCD BV Ve 2MASS Fotometrik İncelenmesi**  
BİLİR S., Güver T., Khamitov I., AK T., AK S., COŞKUNOĞLU B., Paunzen E., YAZ E.

XVII. Ulusal Astronomi Kongresi, Adana, Turkey, pp.152

**III. Dev Yıldızlar için 2MASS, SDSS ve BVI Fotometrik Sistemleri Arasındaki Dönüşümler**

AK S., Yaz E., Bilir S., Karaali S., Coşkunoğlu K. B., Cabrera-Lavers A.

XVII. Ulusal Astronomi Kongresi, Adana, Turkey, 1 - 04 September 2010, pp.97

**IV. Robotic Astrophysical Observatory of Istanbul University**

Saygıç A. T., Özkan M. T., Ak T., Bilir S., Esenoğlu H. H., Yaz E., Coşkunoğlu B., Çay M. T., Aliş S., Yelkenci F. K.

2009 Astronomi Yılında Türkiye'deki Astronomi Faaliyetlerinin Değerlendirilmesi Sempozyumu, İstanbul, Turkey, 20 November 2009, pp.154-162

## Other Publications

**I. VizieR Online Data Catalog: Radial metallicity gradient from RAVE DR3**

COŞKUNOĞLU B., AK S., BILIR S., KARAALI S., TAS O. O., YAZ E., Gilmore G., Seabroke G.

Other, pp.1-3, 2012

## Metrics

Publication: 19

Citation (WoS): 314

Citation (Scopus): 310

H-Index (WoS): 9

H-Index (Scopus): 9

## Congress and Symposium Activities

XXII. Ulusal Astronomi Kongresi, Invited Speaker, İzmir, Turkey, 2022

Küçük Teleskoplarla Bilim Çalıştayı: Fırsat Gözlemciliği, Attendee, İstanbul, Turkey, 2013

Türkiye'deki Teleskoplarla ile Bilim Sempozyumu, Attendee, İstanbul, Turkey, 2012

Gözlemsel Astronomi Öngörü Çalışması, Attendee, İstanbul, Turkey, 2011

XVII. Ulusal Astronomi Kongresi, Attendee, Adana, Turkey, 2010

Güneş ve Güneş Benzeri Yıldızlar Sempozyumu, Attendee, İstanbul, Turkey, 2010

30 Years of Synthetic Photometry, Attendee, Basel, Switzerland, 2010

2009 Astronomi Yılında Türkiye'deki Astronomi Faaliyetlerinin Değerlendirilmesi, Attendee, İstanbul, Turkey, 2009

XVI. Ulusal Astronomi Kongresi, Attendee, Çanakkale, Turkey, 2008