

TR Activities in Astrophysics



TÜRK ASTRONOMİ DERNEĞİ
TURKISH ASTRONOMICAL SOCIETY



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October 6th, 2017

RECFA Country Visit

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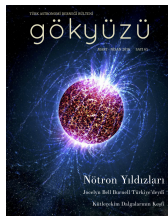
- 1 Turkish Astronomical Society
- 2 Scientific output of TR astronomers
- 3 Discussion

Turkish Astronomical Society

Number of members:

- 113
(individual-usually academics)
- 2 (institutional)

Bulletin



Activities

- Workshops
- Education
 - Summer schools-graduate level
 - Teacher educations
- Public outreach
 - Bulletin (“Gökyüzü”)
 - Light pollution awareness session
- International representations and collaborations

International representations and collaborations

- IAU local office, Oct. 13, 2015, Byurakan, Armenia
- Related workshop *Astronomical Heritage of the Middle East*, Nov 2017.
- Meeting with Chinese Astronomical Society
- IAU XXIX general assembly, 3-14 Augustos 2015, Honolulu, Hawaii
- Turkish members: IAU:80 / EAS:11
- EWASS 2015 June 22-26, 2015, La Laguna, Tenerife, Canary islands, Spain
- EWASS 2017 June 26-30, 2017, Prague, Czech Republic.
- Joint astronomy activities with students of Friedrich-Schiller Gymnasium (Weimar, Germany)

IAU = International Astronomical Union

EAS = European Astronomical Society

EWASS = European Week of Astronomy and Space Science

TUBITAK National Observatory



Bakırlitepe, Antalya

TUBITAK National Observatory



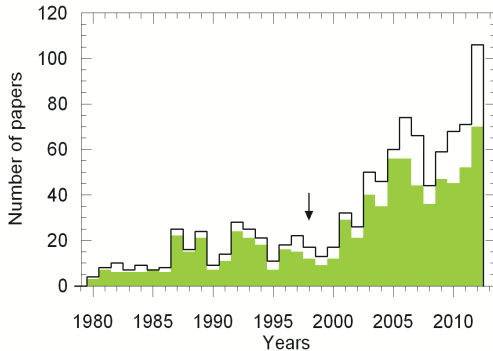
Bakırlitepe, Antalya

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1.5 m TUG RTT150
Telescope

Publication output



Bilir et. al 2015

Distribution of A&A papers in SCI journals from 1980 to 2012.

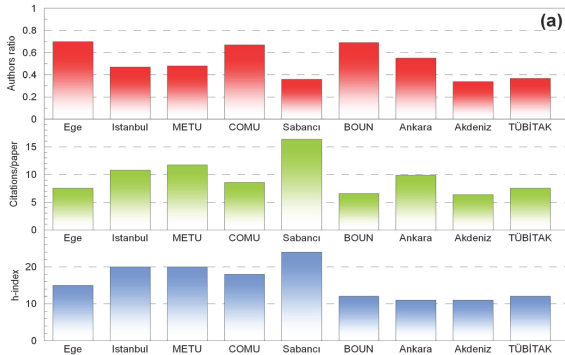
Distribution of papers with the leading authors from TR institutions.

a prominent increment in number of publications that were published in SCI journals starting from about 2000.

Possible causes (Bilir et. al 2012)

- implementation of improved criteria academic promotion in 1998
- availability of Internet.

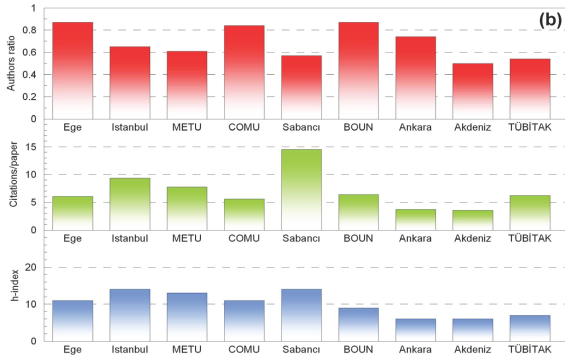
Author contributions (a)



Average author contributions, citations per papers and h-index of institutions for *all* A&A papers with authors from Turkey.

Bilir et. al 2015

Author contributions (b)



Average author contributions, citations per papers and h-index of institutions for papers with *leading* authors from Turkey.

Bilir et. al 2015

Discussion

Missing working fields

- Gravitational waves-no collaboration with LIGO.
- Astroparticle physics
- Computational cosmology, computational astrophysics (3-D MHD)
- Theoretical galactic dynamics

Strong working fields

- Optical photometry of binary stars
- Observational X-ray astrophysics
- Astrophysics of compact objects

Thank you for listening



Adiyaman, Milkyway over Nemrut Mountain , photo by *Tunc Tezel*-TWAN