

**AYTAP SEZER – Short CV**  
**Associate Professor**

PERSONAL DATA

Institution: **Avrasya University, Department of Electrical-Electronics Engineering**  
Position: Associate Professor  
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Trabzon, Turkey  
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SCIENTIFIC INTERESTS

**High Energy Astrophysics**

- o Supernova Remnants
- o Mixed-Morphology Nature
- o Recombining Plasma

EMPLOYMENT

2016–present **Avrasya University**  
Position: Associate Professor

2014–2015 **Harvard-Smithsonian Center for Astrophysics**  
Position: Visiting Scientist

2009–2010 **TÜBİTAK Space Technologies Research Institute**  
Position: TÜBİTAK Postdoctoral Fellow

2008–2009 **Boğaziçi University**  
Position: TÜBİTAK Postdoctoral Fellow

1997–2007 **Akdeniz University**  
Position: Research Asistant

EDUCATION

2007 Ph.D. Astrophysics, **Akdeniz University**  
2000 M.S. Astrophysics, **Akdeniz University**  
1997 B.S. Physics, **Akdeniz University**

AWARDS

2014 TÜBİTAK International Postdoctoral Research Fellowship  
2009 TÜBİTAK National Postdoctoral Research Scholarship  
2008 TÜBİTAK National Postdoctoral Research Scholarship

TEACHING EXPERIENCE

FIZ 101 – Physics I  
FIZ 112 – Physics II  
EEM 447 – Introduction to Astronomy  
EEM 468 – Astronomy II  
EEM 217 – Materials in Electrical Engineering  
MHN 220 – Engineering Mathematics

## ADVISING EXPERIENCE

### **Graduate Student:**

Nergis Cesur, Yildiz Technical University, 2016-present

### **Undergraduate Student:**

Eda Taşcı, Avrasya University, 2016-present

## PROFESSIONAL ACTIVITIES AND SOCIETIES

Member – Athena Working Group: Supernova remnants & Interstellar medium, 2017-present

Member – Turkish Astronomical Society, 2015-present

## SELECTED PUBLICATIONS IN REFEREED JOURNALS (AS FIRST OR SECOND AUTHOR)

11. *Recombining Plasma and Gamma-Ray Emission in the Mixed-morphology Supernova Remnant 3C 400.2*

Ergin, T., **Sezer, A.**, Sano, H., Yamazaki, R., Fukui, Y., 2017, ApJ, 842, 22

10. *Suzaku Analysis of the Supernova Remnant G306.3-0.9 and the Gamma-ray View of Its Neighborhood*

**Sezer, A.**, Ergin, T., Yamazaki, R., 2017, MNRAS, 466, 3434

9. *Searching for overionized plasma in the gamma-ray-emitting supernova remnant G349.7+0.2*

Ergin, T., **Sezer, A.**, Saha, L., Majumdar, P., Gok, F., Ercan, E.N., 2015, ApJ, 804, 124

8. *Fe-rich ejecta in the supernova remnant G352.7–0.1 with Suzaku*

**Sezer, A.** Gok, F., 2014, ApJ, 790, 81

7. *Recombining Plasma in the Gamma-Ray-emitting Mixed-morphology Supernova Remnant 3C 391*

Ergin, T., **Sezer, A.**, Saha, L., Majumdar, P., Chatterjee, A., Bayirli, A., Ercan, E.N., 2014, ApJ, 790, 65

6. *The first optical light from the supernova remnant G182.4+4.3 located in the Galactic anti-centre region*

**Sezer, A.**, Gok, F., Aktekin, E., 2012, MNRAS, 427, 1168

5. *A deep X-ray observation of the supernova remnant G304.6+0.1 (Kes 17) using Suzaku*

Gok, F., **Sezer, A.**, 2012, MNRAS, 423, 1215

4. *Suzaku study of the centrally brightened supernova remnant G272.2–3.2*

**Sezer, A.**, Gok, F., 2012, MNRAS, 421, 3538

3. *Ejecta detection in the middle-aged Galactic supernova remnant G296.1–0.5 observed with Suzaku*

Gok, F., **Sezer, A.**, 2012, MNRAS, 419, 1603

2. *Suzaku observation of the Galactic supernova remnant CTB 37A (G348.5+0.1)*

**Sezer, A.**, Gok, F., Hudaverdi, M., Ercan, E.N., 2011, MNRAS, 417, 1387

1. *Suzaku observations of ejecta-dominated Galactic supernova remnant G346.6–0.2*

**Sezer, A.**, Gok, F., Hudaverdi, M., Kimura, M., Ercan, E.N., 2011, MNRAS, 415, 301