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### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: W-5016-2018

ScopusID: 6603239904

Yoksis Araştırmacı ID: 218059

### Eğitim Bilgileri

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1992 - 1996

### Araştırma Alanları

Astronomi ve Astrofizik, Fiziğin Matematiksel Yöntemleri

### Yönetilen Tezler

Gürkan M. A., Semi-analytical calculations of the secular evolution of 4-body systems, Yüksek Lisans, F.KIROĞLU(Öğrenci), 2019

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Irregular longitudinal data analysis with statistical and machine learning methods for hazardous asteroids**  
TANRIVERDİ İ., İLK DAĞ Ö., GÜRKAN M. A.  
Astronomy and Computing, cilt.47, 2024 (SCI-Expanded)
- II. **Fractal geometry of angular momentum evolution in near-Keplerian systems**  
GÜRKAN M. A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, cilt.411, sa.1, 2011 (SCI-Expanded)
- III. **Resonant relaxation near a massive black hole: the dependence on eccentricity**  
Guerkan M. A., Hopman C.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, cilt.379, sa.3, ss.1083-1088, 2007 (SCI-Expanded)
- IV. **The present day mass function in the central region of the Arches cluster**  
Portegies Zwart S., Gaburov E., Chen H., GÜRKAN M. A.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, cilt.378, sa.1, 2007 (SCI-Expanded)
- V. **Runaway collisions in young star clusters - II. Numerical results**  
Freitag M., GÜRKAN M. A., Rasio F.

- MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, cilt.368, sa.1, ss.141-161, 2006 (SCI-Expanded)
- VI. **Massive black hole binaries from collisional runaways**  
GÜRKAN M. A., Fregeau J., Rasio F.  
ASTROPHYSICAL JOURNAL, cilt.640, sa.1, 2006 (SCI-Expanded)
- VII. **The disruption of stellar clusters containing massive black holes near the galactic center**  
GÜRKAN M. A., Rasio F.  
ASTROPHYSICAL JOURNAL, cilt.628, sa.1, ss.236-245, 2005 (SCI-Expanded)
- VIII. **Formation of massive black holes in dense star clusters. I. Mass segregation and core collapse**  
GÜRKAN M. A., Freitag M., Rasio F.  
ASTROPHYSICAL JOURNAL, cilt.604, sa.2, ss.632-652, 2004 (SCI-Expanded)
- IX. **Monte Carlo simulations of globular cluster evolution. III. Primordial binary interactions**  
Fregeau J., GÜRKAN M. A., Joshi K., Rasio F.  
ASTROPHYSICAL JOURNAL, cilt.593, sa.2, ss.772-787, 2003 (SCI-Expanded)
- X. **Post-glitch RXTE-PCA observations of the Vela pulsar**  
Gurkan M., Baykal A., Alpar M., Ogelman H., Strohmayer T.  
ASTRONOMY & ASTROPHYSICS, cilt.356, sa.3, ss.1136-1140, 2000 (SCI-Expanded)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Collisions between single stars in dense clusters: Runaway formation of a massive object**  
Freitag M., Guerkan M. A., Rasio F. A.  
Workshop on Massive Stars in Interacting Binaries, Maurice, Kanada, 16 - 20 Ağustos 2004, cilt.367, ss.707-709
- II. **Formation of an IMBH in a dense stellar cluster near the Galactic center**  
GÜRKAN M. A., Rasio F.  
222nd Symposium of the International-Astronomical-Union, Gramado, Brezilya, 1 - 05 Mart 2004, ss.179-180
- III. **Run-away IMBH formation in dense star clusters**  
Freitag M., GÜRKAN M. A., Rasio F.  
222nd Symposium of the International-Astronomical-Union, Gramado, Brezilya, 1 - 05 Mart 2004, ss.167-168
- IV. **The radial distribution of millisecond pulsars in 47 Tuc**  
GÜRKAN M. A., Rasio F.  
Conference on New Horizons in Globular Cluster Astronomy, Padua, İtalya, 24 - 28 Haziran 2002, cilt.296, ss.300-301

### **Metrikler**

Yayın: 14

Atf (WoS): 866

Atf (Scopus): 869

H-İndeks (WoS): 7

H-İndeks (Scopus): 7