

## Asst. Prof. Elif DEMİR

### Personal Information

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### Education Information

Doctorate, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik, Turkey 2006 - 2012

Post Graduate, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik, Turkey 2004 - 2006

Under Graduate, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik, Turkey 2000 - 2004

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Sesquitransitive and Localizing Operator Algebras On Banach Spaces, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2012

Post Graduate, On Invariant Subspace Problem in Banach Spaces and Banach Lattices, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2006

### Research Areas

Mathematics, Functional Analysis, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2014 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2005 - 2014

### Academic and Administrative Experience

Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Yildiz Technical University, Faculty of Arts & Science, Department of Mathematics, 2018 - Continues

### Courses

Linear Operators 1, Post Graduate, 2017 - 2018  
Mathematical Analysis 4, Under Graduate, 2017 - 2018  
Mathematics 2, Under Graduate, 2016 - 2017  
Mathematical Analysis 3, Under Graduate, 2017 - 2018  
Differential Equations, Under Graduate, 2016 - 2017

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

I. **On 2-absorbing z-filters**

Bilgin Z., Demir E., Oral H. K.

BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE, vol.61, no.2, pp.147-155, 2018 (Journal Indexed in SCI)

### Articles Published in Other Journals

I. **On Strictly Transitive Operator Algebras**

Demir E.

International Journal of Mathematical Analysis, vol.6, no.46, pp.2257-2264, 2012 (Refereed Journals of Other Institutions)

II. **On Transitive and Quasi-Localizing Operator Algebras**

Demir E.

International Journal of Contemporary Mathematical Sciences, vol.7, no.21, pp.1043-1050, 2011 (Refereed Journals of Other Institutions)

III. **On Transitive and Localizing Operator Algebras**

Gök Ö., Demir E.

International Mathematical Forum, vol.6, no.57, pp.2955-2962, 2011 (Refereed Journals of Other Institutions)

### Refereed Congress / Symposium Publications in Proceedings

I. **Transitive Operator Algebras and Hyperinvariant Subspaces**

DEMİR E.

13th Algebraic Hyperstructures and its Applications Conference, İstanbul, Turkey, 24 July 2017, pp.50-51

II. **Z-süzgeçlerin Bir Karakterizasyonu**

Bilgin Z., DEMİR E.

11. Ankara Matematik Günleri, 01 May 2016

III. **On Duals of Strictly Transitive Operator Algebras on Banach Spaces**

DEMİR E., ALBAYRAK P.

International Conference on Applied Analysis and Mathematical Modelling (ICAAMM 2015), İstanbul, Turkey, 8 - 12 June 2015

IV. **On Transitive Operator Algebras**

Demir E.

International Conference On Applied Analysis and Algebra, 01 July 2011

### Scholarships

Yurt İçi Lisansüstü Burs Programı, TÜBİTAK, 2005 - 2010