Assoc. Prof. SİMGE ÖZTUNÇ

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: HTM-0193-2023
ScopusID: 55779127900
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Education

Doctorate, Turkey 2009 - 2013
Postgraduate, Turkey 2005 - 2009
Undergraduate, Turkey 2001 - 2005

Foreign Languages

English

Dissertations

Doctorate, Dijital görüntülerde simplişıl yapılar ve uygulamaları, 2013
Postgraduate, Homotopi tiplerinde kuadratik modül ve kuadratik kokmpleks, 2009

Academic Positions

Manisa Celal Bayar University, 2013 - Present
Research Assistant, Manisa Celal Bayar University, 2010 - 2013
Research Assistant, 2005 - 2008

Courses

Doctorate
Soft Structures in Digital Topology I, Doctorate, 2023 - 2024
Postgraduate
Esnek Topolojik Uzaylar I, Postgraduate, 2026 - 2027
Soft Topological Spaces I, Postgraduate, 2023 - 2024
Undergraduate
Matematik I, Undergraduate, 2026 - 2027
Matematik I, Undergraduate, 2026 - 2027

Cebirsel Topolojiye Giriş I, Undergraduate, 2026 - 2027
Bitirme Projesi I, Undergraduate, 2026 - 2027
Mathematics I, Undergraduate, 2023 - 2024
Cebirsel Topolojiye Giriş I, Undergraduate, 2023 - 2024
TOPOLOJİ I, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
MATEMATİK I, Undergraduate, 2022-2023
CEBİRSEL TOPOLOJİYE GİRİŞ I, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
Sosyal Sorumluluk Projesi, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
Bitirme Projesi I, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019
BİTİRME PROJESİ II, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020
MATEMATİK II (TEKNOLOJİ FAK.), Undergraduate, 2021-2022
İSTATİSTİK (MÜHENDİSLİK FAK), Undergraduate, 2021-2022, 2020-2021, 2019-2020
MESLEKİ GELİŞİM, Undergraduate, 2021-2022
MATEMATİK I (TEKNOLOJİ FAK.), Undergraduate, 2021-2022
TOPOLOJİ II, Undergraduate, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018
İŞYERİ UYGULAMA EĞİTİMİ, Undergraduate, 2020-2021
LİNEER CEBİR (MÜHENDİSLİK FAK.), Undergraduate, 2020-2021, 2018-2019
AYRIK MATEMATİK (MÜHENDİSLİK FAK.), Undergraduate, 2019-2020, 2018-2019
KATEGORİ TEORİRİSİNE GİRİŞ II, Undergraduate, 2019-2020
MATEMATİK II (KİMYA), Undergraduate, 2019-2020
ARAŞTIRMA PROJESİ I, Undergraduate, 2018-2019, 2016-2017, 2015-2016
EKONOMİ VE FİNANS MATEMATİĞİ I, Undergraduate, 2018-2019
SOSYAL BİLİMLERDE İSTATİSTİK, Undergraduate, 2018-2019
İSTATİSTİK, Undergraduate, 2018-2019, 2017-2018
SOSYAL BİLİMLER İÇİN İSTATİSTİK, Undergraduate, 2018-2019, 2017-2018
ARAŞTIRMA PROJESİ II, Undergraduate, 2017-2018
ARŞTIRMA PROJESİ I, Undergraduate, 2017-2018, 2014-2015
MATEMATİK I (MÜH. FAK.), Undergraduate, 2017-2018, 2016-2017
MATEMATİK II (ENDÜSTRİ MÜH.), Undergraduate, 2017-2018
İstatistik I, Undergraduate, 2016-2017
Sosyal Bilimler için İstatistik I, Undergraduate, 2016-2017
Soyut Matematik I, Undergraduate, 2016-2017, 2014-2015
MATEMATİK I (MALZEME MÜH.), Undergraduate, 2015-2016, 2014-2015
KATEGORİ TEORİSİNE GİRİŞ I, Undergraduate, 2015-2016
SOYUT MATEMATİK II, Undergraduate, 2015-2016, 2014-2015, 2013-2014
LİNEER CEBİR (MAKİNE MÜH.) , Undergraduate, 2014-2015
LİNEER CEBİR (MALZEME MÜH.) , Undergraduate, 2014-2015
ARŞTIRMA PROJESİ II, Undergraduate, 2014-2015, 2013-2014
MATEMATİK I (MAKİNE MÜH.), Undergraduate, 2014-2015
MATEMATİK II (MALZEME MÜH.), Undergraduate, 2014-2015
Lineer Cebir (Malzeme Müh.) 2, Undergraduate, 2013-2014
Lineer Cebir (İnşaat Mühendisliği), Undergraduate, 2013-2014
Lineer Cebir (Elek.-Elektronik Müh.), Undergraduate, 2013-2014
Lineer Cebir (Malzeme Müh.) 1, Undergraduate, 2013-2014

Undergraduate Minor

DİJİTAL TOPOLOJİDE ESNEK YAPILAR I, Undergraduate Minor, 2022-2023
DİJİTAL TOPOLOJİDE ESNEK YAPILAR II, Undergraduate Minor, 2021-2022
İLERİ KATEGORİ TEORİSİ I, Undergraduate Minor, 2021-2022, 2019-2020

Undergraduate Double Major

ESNEK TOPOLOJİK UZAYLAR I, Undergraduate Double Major, 2022-2023
Esnek Topolojik Uzaylar II, Undergraduate Double Major, 2022-2023, 2021-2022

CEBİRSEL TOPOLOJİ I, Undergraduate Double Major, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2016-2017, 2015-2016
HOMOTOPİ TEORİSİNE GİRİŞ II, Undergraduate Double Major, 2020-2021
DİJİTAL TOPOLOJİ II, Undergraduate Double Major, 2020-2021, 2019-2020, 2018-2019, 2014-2015, 2013-2014
DİJİTAL TOPOLOJİ I, Undergraduate Double Major, 2020-2021, 2017-2018, 2014-2015
CEBİRSEL TOPOLOJİ II, Undergraduate Double Major, 2019-2020, 2017-2018, 2015-2016, 2014-2015
KATEGORİ TEORİSİ I, Undergraduate Double Major, 2018-2019, 2016-2017, 2015-2016, 2014-2015
KATEGORİ TEORİSİ II, Undergraduate Double Major, 2018-2019, 2017-2018, 2015-2016, 2014-2015, 2013-2014
Homotopi Teorisine Giriş I, Undergraduate Double Major, 2017-2018

Supervised Theses

ÖZTUNÇ S., Devirli büzülme dönüşümleri, Postgraduate, S.KÖSE(Student), 2024
ÖZTUNÇ S., Dijital Görüntülerin Sabit Nokta Teorisi, Doctorate, A.ERDOĞAN(Student), 2024
ÖZTUNÇ S., Esnek normlu uzaylarda sabit nokta teoremleri, Postgraduate, Ü.GÜLSÜN(Student), 2023
ÖZTUNÇ S., Esnek metrik uzaylarda özel büzülme dönüşümleri, Postgraduate, İ.KARA(Student), 2023
ÖZTUNÇ S., Özel Büzülme Dönüşümleri için Homotopi Teorisi, Doctorate, S.ASLAN(Student), 2023
ÖZTUNÇ S., Esnek simpleksler yapılar, Postgraduate, S.ŞAHİN(Student), 2023
ÖZTUNÇ S., Steinhaus transform esnek metrik uzaylarda esnek sabit nokta teoremleri, Postgraduate, N.YILMAZ(Student), 2022
ÖZTUNÇ S., Soft Simplicial Structures, Postgraduate, S.ŞAHİN(Student), 2021
ÖZTUNÇ S., Esnek kategoriler, Postgraduate, A.ERDOĞAN(Student), 2019
ÖZTUNÇ S., Dijital görüntülerde esnek küme yapısı ve dijital görüntülerde esnek süreklilik, Postgraduate, S.İHTİYAR(Student), 2017

Articles

I. **Caristi-type contractions for soft multiplicative metric space**
ÖZTUNÇ S., KÖSE S.
Logic Journal of the IGPL, vol.34, no.4, 2026 (SCI-Expanded, Scopus)

II. **Homotopic contraction mappings**
ÖZTUNÇ S., Aslan S.
LOGIC JOURNAL OF THE IGPL, vol.34, no.3, 2026 (SCI-Expanded, Scopus)

III. **Fixed-point theorems on digital rectangular metric space**
ÖZTUNÇ S., Sert A. E.
LOGIC JOURNAL OF THE IGPL, vol.34, no.3, 2026 (SCI-Expanded, Scopus)

IV. **Soft isomorphism for digital images and computational topological applications**
ÖZTUNÇ S., İhtiyar S.
Journal of Intelligent and Fuzzy Systems, vol.44, no.2, pp.3011-3021, 2023 (SCI-Expanded, Scopus)

V. **Categorical structures of soft groups**
ÖZTUNÇ S., Aslan S., Dutta H.
Soft Computing, vol.25, no.4, pp.3059-3064, 2021 (SCI-Expanded, Scopus)

VI. **Jungck type fixed point results for weakly compatible mappings in a rectangular soft metric space**
ÖZTUNÇ S., Aslan S.
Journal of Inequalities and Applications, vol.2019, 2019 (SCI-Expanded, Scopus)

VII. **Some Kannan type fixed point results in rectangular soft metric space and an application of fixed point for thermal science problem**
ÖZTUNÇ S., MUTLU A., Aslan S.
Thermal Science, vol.23, 2019 (SCI-Expanded, Scopus)

VIII. **Computing hypercrossed complex pairings in digital images**
ÖZTUNÇ S., MUTLU A., Bildik N.
Abstract and Applied Analysis, vol.2013, 2013 (SCI-Expanded, Scopus)

IX. **The construction of simplicial groups in digital images**
ÖZTUNÇ S., Bildik N., MUTLU A.
Journal of Inequalities and Applications, vol.2013, 2013 (SCI-Expanded, Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Asymptotic Meir Keeler Contraction Mappings On Multiplicative Metric Spaces With An Integral Equation Application**
KÖSE S., ÖZTUNÇ S.
VII. International Conference on Mathematics and its Applications in Science and Engineering, Nagoya, Japan, 14 - 17 September 2026, (Summary Text)

II. **New Fixed Point Theorems on Digital Rectangular Metric Space and Application of Lactic Acid Fermentation**
Öztunç S., Erdoğan Sert A.
VII. International Conference on Mathematics and Its Applications in Science and Engineering (ICMASE 2026)), Nagoya, Japan, 14 - 17 September 2026, pp.178, (Summary Text)

III. **Caristi Type Fixed Point Theorems in Soft Multiplicative Metric Space**
ÖZTUNÇ S., KÖSE S.
9. International Students Science Congress, Manisa, Turkey, 22 - 23 May 2025, (Summary Text)

IV. **Asymptotic Regular Contractions on Multiplicative Metric Spaces**
KÖSE S., ÖZTUNÇ S.
VI. International Conference on Mathematics and its Applications in Science and Engineering, Plovdiv, Bulgaria, 15 - 17 July 2025, (Summary Text)

V. **On Soft Multiplicative Normed Spaces**
ÖZTUNÇ S., KÖSE S.
VI. International Conference on Mathematics and its Applications in Science and Engineering, Plovdiv, Bulgaria, 15 - 17 July 2025, (Summary Text)

VI. **Chatterjea Type Contraction Mappings for Rectangular Soft B-Metric Spaces**
ÖZTUNÇ S., ASLAN S.
ICSAS 1st International Conference on Mathematics, Eskişehir, Turkey, 26 - 28 July 2024, pp.41-50, (Full Text)

VII. **Cyclic Kannan Type Contractions for Box Metric Sapaces**
ÖZTUNÇ S., MUTLU A., KÖSE S.
8. International Students Science Conference, İzmir, Turkey, 23 - 24 May 2024, pp.86, (Summary Text)

VIII. **Cyclic Kannan Type Contractions for Box Metric Spaces**
ÖZTUNÇ S., MUTLU A., KÖSE S.
8. International Students Science Conference, İzmir, Turkey, 23 - 24 May 2024, (Summary Text)

IX. **Banach and Kannan Type Contracting Mappings for Box Metric in Digital Images**
ÖZTUNÇ S., SERT A. E.
International Conference on Mathematics and Mathematics Education (ICMME-2022), Denizli, Turkey, 22 September 2022, pp.109-110, (Summary Text)

X. **Some Remarks on Steinhaus Transform Soft Metric Spaces**
ÖZTUNÇ S., MUTLU A., Yılmaz N.
3. International Students Science Conference, İzmir, Turkey, 3 - 04 May 2019, pp.347-352, (Full Text)

XI. **Remarks on Rectangular Soft Metric Spaces**
ÖZTUNÇ S., MUTLU A., Aslan S.
3. International Students Science Conference, 3 - 04 May 2019, pp.353-358, (Full Text)

XII. **On Kannan Type Mappings in Near Soft Metric Spaces**

ÖZTUNÇ S., MUTLU A., Özdemir K.

3. International Students Science Conference, İzmir, Turkey, 3 - 04 May 2019, pp.331-335, (Full Text)

XIII. **New Results in Near Soft Metric Spaces**

ÖZTUNÇ S., MUTLU A., Özdemir K.

3. International Students Science Conference, İzmir, Turkey, 3 - 04 May 2019, pp.336-340, (Full Text)

XIV. **Aspects on Fixed Point Theorems in Rectangular Soft Metric Spaces**

ÖZTUNÇ S., MUTLU A., Aslan S.

3. International Students Science Conference, 3 - 04 May 2019, pp.359-366, (Full Text)

XV. **On Kannan Type Mappings in Steinhaus Transform Soft Metric Spaces**

ÖZTUNÇ S., MUTLU A., Yılmaz N.

3. International Students Science Conference, İzmir, Turkey, 3 - 04 May 2019, pp.341-346, (Full Text)

XVI. **Some Soft Fixed Point Theorems by Using Steinhaus Transform Soft Metric**

ÖZTUNÇ S., MUTLU A., YILMAZ N.

2. International Students Science Conference, İzmir, Turkey, 4 - 05 May 2018, pp.83-89, (Full Text)

XVII. **Some Soft Fixed Point Results for Soft Near Metric Spaces**

ÖZTUNÇ S., MUTLU A., ÖZDEMİR K.

2. International Students Science Conference, İzmir, Turkey, 4 - 05 May 2018, pp.65-71, (Full Text)

XVIII. **Some Fixed Point Theorems for Kannan Type Mappings by Using Rectangular Soft Metric**

ÖZTUNÇ S., MUTLU A., Aslan S.

International Conference on Mathematics:An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 3 - 06 July 2018, pp.334, (Summary Text)

XIX. **Jungck type fixed point results in rectangular soft metric spaces**

ÖZTUNÇ S., MUTLU A., Aslan S.

The MediterraneanInternational Conference of Pure Applied Mathematics and Related Areas, 12 May 2018, (Summary Text)

XX. **Soft Fixed Point Theorems for Rectangular Soft Metric Spaces**

ÖZTUNÇ S., MUTLU A., Aslan S.

2. International Students Science Conference, İzmir, Turkey, 4 - 05 May 2018, pp.102, (Summary Text)

XXI. **On Products in the Soft Categories**

ÖZTUNÇ S.

The 6th International Conference on Pure and Applied Mathematics, Prag, Czech Republic, 22 - 25 July 2017, (Summary Text)

XXII. **Kan Fibrations in Digital Images**

ÖZTUNÇ S.

International Conference on Mathematics and Engineering, 10 - 12 May 2017, (Summary Text)

XXIII. **Soft Simplicial Homotopy for Digital Images**

ÖZTUNÇ S.

International Conference on Mathematics and Engineering, 10 - 12 May 2017, (Summary Text)

XXIV. **Soft Retractions in Digital Images**

ÖZTUNÇ S., İHTİYAR S.

International Students Science Conference, İzmir, Turkey, 5 - 06 May 2017, pp.76, (Summary Text)

XXV. **Categorical Structures of Soft Groups**

ÖZTUNÇ S., MUTLU A., ASLAN S.

International Students Science Conference, İzmir, Turkey, 5 - 06 May 2017, pp.69, (Summary Text)

XXVI. **Properties of soft homotopy in digital images**

ÖZTUNÇ S., Ihtiyar S.

11th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, ICNPAA 2016, La Rochelle, France, 4 - 08 July 2016, vol.1798, (Full Text)

XXVII. **Morphism Properties of Digital Categories**

ÖZTUNÇ S.

International Conference on Mathematics and Mathematics Education, Elazığ, Turkey, 12 - 14 May 2016, pp.656,

(Summary Text)

XXVIII. **Monomorphism and Epimorphism Properties of Soft Categories**
ÖZTUNÇ S., ERDOĞAN SERT A.
International Conference on Mathematics and Mathematics Education, Elazığ, Turkey, 12 - 14 May 2016, pp.655, (Summary Text)

XXIX. **Dijital Görüntülerde Esnek Kümeler ve Dijital Görüntülerde Esnek Süreklilik**
SULTAN İ., ÖZTUNÇ S.
XXVIII. Ulusal Matematik Sempozyumu, Antalya, Turkey, 7 - 09 September 2015, pp.226, (Summary Text)

XXX. **Some Properties of Soft Categories**
ÖZTUNÇ S.
International Conference on Pure and Applied Mathematics (ICPAM), Rome, Italy, 16 - 17 July 2015, pp.31, (Summary Text)

XXXI. **Hypercrossed Complex Pairings in Digital Images**
ÖZTUNÇ S., MUTLU A., BİLDİK N.
International Conference on Applied Analysis and Mathematical Modeling (ICAAMM 2013), İstanbul, Turkey, 2 - 05 June 2013, pp.675, (Summary Text)

XXXII. **Probleme Dayalı Topoloji Öğretimi**
ÖZTUNÇ S., BİLDİK N., MUTLU A.
11. Matematik Sempozyumu, Samsun, Turkey, 19 - 21 September 2012, pp.190, (Summary Text)

XXXIII. **Simplicial Homotopy in Digital Images**
ÖZTUNÇ S., BİLDİK N., MUTLU A.
1st International Eurasian Conference on Mathematical Science and Applications (IECMSA 2012), Prishtina, Serbia, 3 - 07 September 2012, (Summary Text)

XXXIV. **The Construction of Simplicial Groups in Digital Images**
ÖZTUNÇ S., BİLDİK N., MUTLU A.
International Congress in Honour of Proffessor Hari M. Srivastava, Bursa, Turkey, 23 - 26 August 2012, pp.101, (Summary Text)

XXXV. **The Structure of Simplicail Sets in Digital Images**
MUTLU A., ÖZTUNÇ S.
International Confrence on Applied Analysis and Algebra, İstanbul, Turkey, 20 July - 24 June 2012, pp.246, (Summary Text)

XXXVI. **The Structure of Simplicial Sets in Digital Images**
ÖZTUNÇ S., MUTLU A.
International Conference on Applied Analysis and Algebra (ICAAA2012), İstanbul, Turkey, 20 - 24 June 2012, pp.246, (Summary Text)

XXXVII. **Application of Partial Metric to the Norm Space**
MUTLU A., ÖZTUNÇ S.
X. Geometri Sempozyumu, Balıkesir, Turkey, 13 - 16 June 2012, pp.112, (Summary Text)

XXXVIII. **Applications of Partial Metric to the Normed Space**
ÖZTUNÇ S., MUTLU A.
X. Geometri Sempozyumu, Balıkesir, Turkey, 13 - 16 June 2012, pp.112, (Summary Text)

XXXIX. **Directed Homotopy Theory of Digital Images**
ÖZTUNÇ S., MUTLU A., BİLDİK N.
IV th Congress of the Turkic Mathematical Society (TWMS), Baku, Azerbaijan, 01 July 2012 - 03 July 2011, pp.49, (Summary Text)

XL. **Some Fixed Point Theorems for Dualistic Partial Metric Spaces**
MUTLU A., ÖZTUNÇ S.
IX. Geometri Sempozyumu, Samsun, Turkey, 7 - 10 June 2011, vol.9, (Summary Text)

XLI. **Kakutani s Fixed Point Theorem in Partial Metric Spaces**
MUTLU A., ÖZTUNÇ S., BİLDİK N., DÖNMEZ DEMİR D.
IX. Geometri Sempozyumu, Samsun, Turkey, 7 - 10 June 2011, vol.9, pp.92, (Summary Text)

XLII. **Kısmi Metrik Uzaylarda Kakutani Sabit Nokta Teoremi**
BİLDİK N., MUTLU A., ÖZTUNÇ S., DÖNMEZ DEMİR D.
IX.Geometri Sempozyumu, Samsun, Turkey, 7 - 10 June 2011, (Summary Text)

XLIII. **Dualistik Kısmi Metrik Uzaylar için Bazı Sabit NoktaTeoremleri**
MUTLU A., ÖZTUNÇ S.
IX. Geometri Sempozyumu, Samsun, Turkey, 7 - 10 June 2011, (Summary Text)

XLIV. **The Solution of Heat Problem with Collocation Method Using Cubic B Splines Finite Elements**
DÖNMEZ DEMİR D., BİLDİK N., ÖZTUNÇ S.
Second International Symposium on Computing in Science and Engineering, Kuşadası, Turkey, 1 - 04 June 2011, pp.565-566, (Summary Text)

XLV. **CW Bazıyla Verilen Free Simplisıl Cebirlerin 2 İskelet Resolasyonu**
MUTLU A., BİLDİK N., BERRİN M., ÖZTUNÇ S.
5. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 3 - 04 June 2010, pp.129, (Summary Text)

XLVI. **Dijital Kategoriler**
MUTLU A., BERRİN M., ÖZTUNÇ S.
V. Ankara Matematik Günleri Sempozyumu (AMG), Ankara, Turkey, 3 - 04 June 2010, pp.9, (Summary Text)

XLVII. **CW bazıyla verilen free simplişıl cebirlerin 2 iskelet resolasyonu**
BİLDİK N., MUTLU A., BERRİN M., ÖZTUNÇ S.
V. Ankara Matematik Günleri Sempozyumu (AMG), Ankara, Turkey, 3 - 04 June 2010, pp.129, (Summary Text)

Funded Projects

GÜROĞLU A. T., KAZAZ M., KONURALP A., ÖZTUNÇ S., KAHRAMAN T., ŞAHİNER B., Project Supported by Other Official Institutions, Manisa Celal Bayar Üniversitesi Cebir Günleri Çalıştayı, 2019 - 2020
ÖZTUNÇ S., Project Supported by Higher Education Institutions, Dijital Görüntülerde Esnek Simplisel Yapılar, 2017 - 2018
ÖZTUNÇ S., Project Supported by Higher Education Institutions, Esnek Kategorilerin Bazı Özellikleri, 2015 - 2015
ÖZTUNÇ S., Project Supported by Higher Education Institutions, BAP Other, Esnek Kategorilerin Bazı Özellikleri (Some Properties Of Soft Categories), 2015 - 2015

Peer Reviews in Scientific Publications

Other journals, January 2017
Other journals, January 2017
Other journals, January 2017
Other journals, January 2017
QUAESTIONES MATHEMATICAE, Other journals, January 2016
Other journals, January 2016
FILOMAT, Other journals, January 2016
Other journals, January 2016
Other journals, January 2016
Other journals, January 2016
Other journals, January 2016
Other journals, January 2016

Metrics

Publication: 58
Citation (WoS): 10

Citation (Scopus): 43
H-Index (WoS): 3
H-Index (Scopus): 4