

Assoc. Prof. ALPER ÜLKER

Personal Information

Email: a.ulker@iku.edu.tr

Web: <https://avesis.iku.edu.tr/a.ulker>

International Researcher IDs

ORCID: 0000-0001-5592-7450

Yoksis Researcher ID: 103485

Education Information

Doctorate, Ege University, Turkey 2011 - 2016

Postgraduate, Sinop University, Turkey 2008 - 2010

Undergraduate, Suleyman Demirel University, Turkey 2000 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Graflar üzerinde deęişmeli cebirsel metotlar, Ege University, 2016

Academic Titles / Tasks

Associate Professor, Istanbul Kultur University, Fen-Edebiyat Fakóltesi, Matematik ve Bilgisayar Bilimleri, 2024 - Continues

Assistant Professor, American International University, Faculty of Arts and Science, Mathematics, 2023 - 2024

Assistant Professor, Istanbul Kultur University, Fen-Edebiyat Fakóltesi, Matematik ve Bilgisayar Bilimleri, 2022 - 2023

Assistant Professor, Agri Ibrahim Cecen University, Faculty of Science and Arts, Mathematics, 2016 - 2022

Research Assistant, Ege University, Faculty of Science, Mathematics, 2011 - 2016

Researcher, Mississippi State University, College of Arts and Sciences, Mathematics and Statistics, Department of Mathematics and Statistics, 2014 - 2015

Research Assistant, Sinop University, Faculty of Science and Arts, Mathematics, 2010 - 2010

Courses

MB0036 Uygulamalı İstatistik, Undergraduate, 2022 - 2023

ITR1002 Mathematics for Social Sciences, Undergraduate, 2022 - 2023

MB0045 Topoloji, Undergraduate, 2022 - 2023

MB0057 Regresyon Analizi, Undergraduate, 2022 - 2023

MCB1001 Calculus 1, Undergraduate, 2022 - 2023

MCB1004 Linear Algebra, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sheffer stroke operation on L-algebras via an algorithmic approach**
Gürsoy N. K., Öner T., GÜRSOY A., ÜLKER A.
Soft Computing, vol.28, no.19, pp.10801-10813, 2024 (SCI-Expanded)
- II. **Lattice automorphism and zero-divisor graphs of lattices**
Ülker A.
Numerical Methods for Partial Differential Equations, vol.39, no.5, pp.3561-3571, 2023 (SCI-Expanded)
- III. **Independent domination polynomial of zero-divisor graphs of commutative rings**
KIRCALI GÜRSOY N., Ulker A., GÜRSOY A.
SOFT COMPUTING, vol.26, no.15, pp.6989-6997, 2022 (SCI-Expanded)
- IV. **Sombor index of zero-divisor graphs of commutative rings**
GÜRSOY A., Ulker A., KIRCALI GÜRSOY N.
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.30, no.2, pp.231-257, 2022 (SCI-Expanded)
- V. **Computing forgotten topological index of zero-divisor graphs of commutative rings**
GÜRSOY A., Gürsoy N. K., Ülker A.
Turkish Journal of Mathematics, vol.46, no.Special Issue 2, pp.1845-1863, 2022 (SCI-Expanded)
- VI. **The energy and sombor index of graphs**
Ulker A., GÜRSOY A., Gursoy N. K.
Match, vol.87, no.1, pp.51-58, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **ON THE HARARY INDEX OF $\Gamma(\mathbb{Z}_n)$**
GÜRSOY A., ÜLKER A., Kircali Gürsoy N.
International Journal of Maps in Mathematics, vol.7, no.2, pp.122-137, 2024 (Scopus)
- II. **Relations between energy of graphs and Wiener, Harary indices**
ÜLKER A.
Transactions on Combinatorics, 2023 (ESCI)
- III. **On the Essential Element Graph of a Lattice**
Ülker A.
Turkish Journal of Mathematics and Computer Science, vol.14, no.2, pp.248-255, 2022 (Peer-Reviewed Journal)
- IV. **New Bounds on Sombor Index**
ÜLKER A., GÜRSOY A., KIRCALI GÜRSOY N., Gutman I.
Communications in Combinatorics and Optimization, vol.8, no.2, pp.305-311, 2022 (Peer-Reviewed Journal)
- V. **Exact Sequences of BCK-Modules**
Ülker A.
Fundamental journal of mathematics and applications (Online), vol.5, no.1, pp.63-66, 2022 (Peer-Reviewed Journal)
- VI. **Relating graph energy and Sombor index**
ÜLKER A., GÜRSOY A., KIRCALI GÜRSOY N., Gutman I.
Discrete Mathematics Letters, vol.8, pp.6-9, 2022 (Peer-Reviewed Journal)
- VII. **Yang-Baxter Equation in Lattice Effect Algebras**
ÖNER T., KALKAN T., ÜLKER A.
Konuralp Journal of Mathematics, vol.8, no.1, pp.106-113, 2020 (Peer-Reviewed Journal)
- VIII. **Interval Sheffer Stroke Basic Algebras**
ÖNER T., Katcan T., ÜLKER A.
Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, vol.9, no.1, pp.134-141, 2019 (Scopus)

IX. A Note on Cohen-Macaulay Skeletons of Cycles and Vertex-decomposability

ÜLKER A., ÖNER T.

Bulletin of International Mathematical Virtual Institute, vol.8, no.3, pp.517-521, 2018 (Peer-Reviewed Journal)

X. On the Depth of Independence Complexes

ÜLKER A.

Eastern Anatolian Journal of Science, vol.3, no.2, pp.42-44, 2017 (Peer-Reviewed Journal)

Books

I. Algoritmalar Giriş

NASİBOĞLU E., NURIYEV U., AKLEYLEK S., ORDİN B., ÖNER T., Pektas B., BERBERLER M. E., GÜNEL K., GÜRSOY A., Kurt M., et al.

Palme Yayıncılık, Ankara, 2016

Metrics

Publication: 17

Citation (WoS): 2

Citation (Scopus): 32

H-Index (WoS): 2

H-Index (Scopus): 2