

Assoc. Prof. LALE ÖZKAHYA

Personal Information

Email: ozkahya@hacettepe.edu.tr

Web: <https://ozkahya.github.io>

International Researcher IDs

Publons / Web Of Science ResearcherID: G-9135-2013

Yoksis Researcher ID: 185627

Education Information

Doctorate, University of Illinois at Urbana-Champaign, Fen Fakültesi, Matematik, United States Of America 2003 - 2010

Postgraduate, University of Illinois at Urbana-Champaign, Mühendislik Fakültesi, Havacılık Ve Uzay Muh., United States Of America 2001 - 2003

Undergraduate, Bogazici University, Faculty Of Engineering, Makine Muh., Turkey 1995 - 1999

Dissertations

Doctorate, Problems in Extremal Graph Theory, University Of Illinois At Urbana-Champaign, Matematik, 2010

Postgraduate, Flutter Analysis of a Single Flap System, University Of Illinois At Urbana-Champaign, Uzay Ve Havacılık Muh., 2003

Research Areas

Mathematics, Computer Science, Combinatorics, Natural Sciences

Courses

Introduction to Discrete Structures, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Coloring of Graphs Avoiding Bicolored Paths of a Fixed Length**
Kırtışoğlu A., ÖZKAHYA L.
Graphs and Combinatorics, vol.40, no.1, 2024 (SCI-Expanded)
- II. **Minimum rainbow H-decompositions of graphs**
ÖZKAHYA L., Person Y.
EUROPEAN JOURNAL OF COMBINATORICS, vol.71, pp.111-124, 2018 (SCI-Expanded)
- III. **On 3-uniform hypergraphs without a cycle of a given length**
Furedi Z., ÖZKAHYA L.
DISCRETE APPLIED MATHEMATICS, vol.216, pp.582-588, 2017 (SCI-Expanded)
- IV. **On a Covering Problem in the Hypercube**
ÖZKAHYA L., Stanton B.

GRAPHS AND COMBINATORICS, vol.31, no.1, pp.235-242, 2015 (SCI-Expanded)

V. Anti-Ramsey number of matchings in hypergraphs

Ozkahya L., Young M.

DISCRETE MATHEMATICS, vol.313, no.20, pp.2359-2364, 2013 (SCI-Expanded)

VI. On the ratio of maximum and minimum degree in maximal intersecting families

Nagy Z. L., Ozkahya L., Patkos B., Vizer M.

DISCRETE MATHEMATICS, vol.313, no.2, pp.207-211, 2013 (SCI-Expanded)

VII. Minimum H-decompositions of graphs: Edge-critical case

Ozkahya L., Person Y.

JOURNAL OF COMBINATORIAL THEORY SERIES B, vol.102, no.3, pp.715-725, 2012 (SCI-Expanded)

VIII. Unavoidable subhypergraphs: a-clusters

Fueredi Z., Ozkahya L.

JOURNAL OF COMBINATORIAL THEORY SERIES A, vol.118, no.8, pp.2246-2256, 2011 (SCI-Expanded)

IX. On even-cycle-free subgraphs of the hypercube

Fueredi Z., Ozkahya L.

JOURNAL OF COMBINATORIAL THEORY SERIES A, vol.118, no.6, pp.1816-1819, 2011 (SCI-Expanded)

X. A Brooks-type bound for squares of K-4-minor-free graphs

Kostochka A. V., Ozkahya L., Woodall D. R.

DISCRETE MATHEMATICS, vol.309, pp.6572-6584, 2009 (SCI-Expanded)

XI. On 14-Cycle-Free Subgraphs of the Hypercube

Furedi Z., Ozkahya L.

COMBINATORICS PROBABILITY & COMPUTING, vol.18, no.5, pp.725-729, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. On homometric sets in graphs

Axenovich M., Özkahya L.

Electronic Notes in Discrete Mathematics, vol.38, pp.83-86, 2011 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. Learning Heuristics for the Maximum Clique Enumeration Problem Using Low Dimensional Representations

TAŞDEMİR A. B., Karacan T., Kırmacı E. K., ÖZKAHYA L.

11th International Conference on Computational Data and Social Networks, CSoNet 2022, Virtual, Online, 5 - 07 December 2022, vol.13831 LNCS, pp.236-244

II. Low-Rank Representations Towards Classification Problem of Complex Networks Karmaşık Ağların Sınıflandırma Sorusuna Yönelik Düşük-Dereceli Temsiliyeti

Celik M., TAŞDEMİR A. B., ÖZKAHYA L.

30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

III. Learning heuristics for the maximum clique enumeration problem using higher-order graph structures Yüksek-derece çizge yapıları ile maksimum klik sayma problemine yönelik buluşsal yöntemleri öğrenme

TAŞDEMİR A. B., ÖZKAHYA L.

29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021

IV. Classification of Complex Networks Using Structural Analysis of Random Graph Models Rastsal Çizge Modellerinin Yapısal Analizi ile Karmaşık Ağların Sınıflandırılması

TAŞDEMİR A. B., Atasay B., ÖZKAHYA L.

28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020

Supported Projects

ÖZKAHYA L., FUREDİ Z., Project Supported by Higher Education Institutions, Belirli uzunluktaki döngüleri içermeyen 3birimli hiperçizgeler, 2016 - 2016

ÖZKAHYA L., Project Supported by Higher Education Institutions, Kombinatorik: Problemleri ve Uygulamaları, 2015 - 2016

Metrics

Publication: 16

Citation (WoS): 56

Citation (Scopus): 47

H-Index (WoS): 5

H-Index (Scopus): 4