

## Assoc. Prof. LALE ÖZKAHYA

### Personal Information

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### 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, Havacilik 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 Havacilik 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. **Minimum rainbow H-decompositions of graphs**  
ÖZKAHYA L., Person Y.  
EUROPEAN JOURNAL OF COMBINATORICS, vol.71, pp.111-124, 2018 (SCI-Expanded)
- II. **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)
- III. **On a Covering Problem in the Hypercube**  
ÖZKAHYA L., Stanton B.  
GRAPHS AND COMBINATORICS, vol.31, no.1, pp.235-242, 2015 (SCI-Expanded)
- IV. **Anti-Ramsey number of matchings in hypergraphs**  
Ozkahya L., Young M.

- DISCRETE MATHEMATICS, vol.313, no.20, pp.2359-2364, 2013 (SCI-Expanded)
- V. **On the ratio of maximum and minimum degree in maximal intersecting families**  
Nagy Z. L., Oezkahya L., Patkos B., Vizer M.  
DISCRETE MATHEMATICS, vol.313, no.2, pp.207-211, 2013 (SCI-Expanded)
- VI. **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)
- VII. **Unavoidable subhypergraphs: a-clusters**  
Fueredi Z., Oezkahya L.  
JOURNAL OF COMBINATORIAL THEORY SERIES A, vol.118, no.8, pp.2246-2256, 2011 (SCI-Expanded)
- VIII. **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)
- IX. **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)
- X. **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 Siniflandırma 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 Rastasal Çizge Modellerinin Yapısal Analizi ile Karmaşık Ağların Siniflandırılması**  
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: 15

Citation (WoS): 55

Citation (Scopus): 47

H-Index (WoS): 5

H-Index (Scopus): 4