Dr. Mohammad Alzohairi CV

AFFILIATION   Associate Professor, Department of Mathematics, College of Scince, King Saud University, Riyadh, Saudi Arabia.

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EDUCATION
- Ph. D. degree in mathematics (1997) University of Ottawa, Canada.
- M. Sc degree in mathematics (1990) King Saud University, Saudi Arabia.
- B. Sc. degree in mathematics (1986) King Saud University, Saudi Arabia.

RESEARCH OF INTEREST   Digraph Decomposition, Digraph Reconstruction, Pagenumber problem of ordered sets.

PUBLICATIONS

1. M. Alzohairi(1990) Ordered Sets and Scheduling Problems, Master thesis, King Saud University, Riyadh, Saudi Arabia. 10-25

2. M. Alzohairi and I. Rival (1997) Series-parallel planar ordered sets have pagenumber two, Lecture Notes in Computer Science, Springer-Verlag, Volume 1190,11-24.

3. M. Alzohairi (1997) The pagenumber of ordered sets, Ph. D. thesis, University of Ottawa, Ottawa, Canada.

4. M. Alzohairi (2000) Sequences of Ordered sets and Catalan Numbers. Order 15, 357-364.

5. M. Alzohairi, I. Rival and Kostochka (2001) The pagenumber of spherical lattices is unbounded, Arab J. Math. Sc. Volume 7, 79-82.

6. M. Alzohairi (2005) N-free planar ordered sets which contains no covering four-cycle have pagenumber two. The Arabian journal of science and engineering Volume 31, 213-220.

7. M. Alzohairi (2009) The pagenumber of N-free planar ordered sets that contain neither $K_{2,3}$ nor $K_{3,2}$ is at most three, Arab J. Math. Sc. Volume 14, 43-52.

8. A. Sharary and M. Alzohairi (2011) Introduction to combinatorics (BOOK in Arabic language).

9. A. Sharary and M. Alzohairi (2011) Introduction to graph theory (BOOK in Arabic language).

10. M. Alzohairi, M. Bouaziz and Y. Boudabbous (2013) Orders and (4)-Hemimorphy, Multiple-Valued Logic and Soft Computing 21(3-4), 355-371.

11. M. Alzohairi and Y. Boudabbous (2014), 3-minimal triangle-free graphs, Discrete Mathematics 331, 3-8.

12. M. Alzohairi (2015) Triangle-free graphs which are minimal for some nonstable 4-vertex subset, Arab J. Math. Sc. Volume 21, Issue 2, 159-169.

13. A. Sharary, N. Zaguia and M. Alzohairi, On the Height and Jump Number of Ordered Sets, to appear in Multiple-Valued Logic and Soft Computing journal.