



Ali Taherkhani

Associate Professor

IASBS, Department of Mathematics

Publications

Journals

- Yaser Rowshan and Ali Taherkhani, "Partitioning of a graph into induced subgraphs not containing prescribed cliques", Discrete Applied Mathematics, Vol. 344, 2024, doi: <https://doi.org/10.1016/j.dam.2023.11.001>
- Yaser Rowshan and Ali Taherkhani, "A Catlin-type theorem for graph partitioning avoiding prescribed subgraphs", Discrete Mathematics, Vol. 345, NO. 8, aug, 2022, doi: [10.1016/j.disc.2022.112911](https://doi.org/10.1016/j.disc.2022.112911)
- Ali Taherkhani, "Size and Structure of Large $\{(s,t)\}$ -Union Intersecting Families", The Electronic Journal of Combinatorics, Vol. 29, NO. 2, may, 2022, doi: [10.37236/10490](https://doi.org/10.37236/10490)
- Taherkhani, Ali, "تقریباً در ضربی خانواده یک مرتبه برای بالای کران", اشتراکی, Researches Mathematical, Vol. 8, NO. 1, 2022
- Meysam Alishahi and Ali Taherkhani, "On the random version of the Erdős matching conjecture", Discrete Applied Mathematics, Vol. 254, NO. 2, feb, 2019, doi: [10.1016/j.dam.2018.06.024](https://doi.org/10.1016/j.dam.2018.06.024)
- Amir Daneshgar and Ali Taherkhani, "A class of highly symmetric graphs, symmetric cylindrical constructions and their spectra", Discrete Mathematics, Vol. 342, NO. 1, jan,



2019, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)

- Sani, R.A. and Alishahi, M. and Taherkhani, A., "Coloring properties of categorical product of general Kneser hypergraphs", *Ars Mathematica Contemporanea*, Vol. 15, NO. 1, jan, 2018, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)
- Alishahi, M. and Taherkhani, A., "Extremal G-free induced subgraphs of Kneser graphs", *Journal of Combinatorial Theory. Series A*, Vol. 159, NO. 1, jan, 2018, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)
- Taherkhani, A., "On r-dynamic chromatic number of graphs", *Discrete Applied Mathematics*, Vol. 201, NO. 1, jan, 2016, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)
- Alishahi, Meysam and Taherkhani, Ali, "A note on chromatic sum", *Ars Combin.*, Vol. 116, 2014
- Alishahi, M. and Taherkhani, A., "A note on chromatic sum", *Ars Combinatoria*, Vol. 116, NO. 1, jan, 2014, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)
- Hajiabolhassan, H. and Taherkhani, A., "On the circular chromatic number of graph powers", *Journal of Graph Theory*, Vol. 75, NO. 1, jan, 2014, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)
- Alishahi, M. and Taherkhani, A. and Thomassen, C., "Rainbow paths with prescribed ends", *Electronic Journal of Combinatorics*, Vol. 18, NO. 1, jan, 2011, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)
- Alishahi, M. and Hajiabolhassan, H. and Taherkhani, A., "A generalization of the Erdős-Ko-Rado theorem", *Discrete Mathematics*, Vol. 310, NO. 1, jan, 2010, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)
- Hajiabolhassan, H. and Taherkhani, A., "Graph powers and graph homomorphisms", *Electronic Journal of Combinatorics*,



Vol. 17, NO. 1, jan, 2010, doi: [10.1016/j.disc.2018.09.022](https://doi.org/10.1016/j.disc.2018.09.022)