



## Gholamhosein Fathtabar

Associate Professor

College: Faculty of Mathematics

Department: Pure Mathematics

### Education

Degree	Graduated in	Major	University
BSc	1999	Pure Mathematics	University of Kharazmi
MSc	2001	Algebra	Sharif University
Doctoral	2010	Algebra-Algebraic Graph Theory	University of Kashan

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Kashan		Certain	Full Time	16

### Work Experience

Head of Department of Pure Mathematics

### Subjects Taught

Algebraic Graph Theory

### Papers in Conferences

1. The eigenvalues of signed graphs and its chromatic number, 17-th workshop on graph theory, ۱۷ ۹ ۲۰۱۷, زیلونا.
2. Separating sets and Laplacian eigenvalues of graphs, ۲۲ ۲ ۲۰۱۷, تهران, ایران, نهمین کنفرانس نظریه گراف و ترکیبیات جبری ایران, ۲۲ ۲ ۲۰۱۷.
3. سیده الهام قاسمیان, غلامحسین فتح تبار فیروزجائی, گراف های دوبخشی علامت دار با دو مقدار ویژه AIMCFY۲۸ ۸ ۲۰۱۶, کرج, چهارم و هفتمین کنفرانس ریاضی ایران, ۲۰۱۶.
4. Ordering oriented bicyclic graphs with  $\chi$ ed, فاطمه تقوایی ارانی, غلامحسین فتح تبار فیروزجائی.

- diameter. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۱۲۹۲۰۱۵, کاشان.
5. On the summation of absolute value of the eigenvalues of signed graphs. The Second Conference on Computational Group Theory, Computational Number Theory and Applications, ۱۲۹۲۰۱۵, کاشان.
  6. On the Signless Laplacian Spectral Moment of Graphs. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۱۷۱۲۲۰۱۴, کاشان.
  7. Skew-eigenvalues of Cartesian and lexicographic products of graphs, ۱۷۱۲۲۰۱۴, ساوه, فاطمه تقوایی ارانی, غلامحسین فتح تبار فیروزجائی. هفتمین کنفرانس و کارگاه ریاضی-شیمی, ساوه.
  8. The power graph of  $\square_n$  with at most two main signless Laplacian eigenvalues, ۱۷۱۲۲۰۱۴, ساوه, فاطمه تقوایی ارانی, غلامحسین فتح تبار فیروزجائی. هفتمین کنفرانس و کارگاه ریاضی-شیمی, ساوه.
  9. On  $Q$ -spectral moments of unicyclic graphs, ۱۷۱۲۲۰۱۴, ساوه, حمید رضا الهی, رامین نصیری, احمد غلامی, غلامحسین فتح تبار فیروزجائی. هفتمین کنفرانس و کارگاه ریاضی-شیمی, ساوه.
  10. زهرا پوردکان, غلامحسین فتح تبار فیروزجائی, نسخه راسی قضیه وینر, هفتمین کنفرانس و کارگاه ریاضی-شیمی, ساوه, ۱۷۱۲۲۰۱۴.
  11. Some Lower Bounds for Summation of Absolute Value of Skew-Eigenvalues of some Graphs. The First Conference on Computational Group Theory, Computational Number Theory and Applications, ۱۷۱۲۲۰۱۴, کاشان.
  12. G. H. Fath, & Tabar, Computing the Energy of Two Types of Dendrimers, MATH/CHEM/COMP 2011, 2011.
  13. G. H. Fath, & Tabar, On the Symmetry of (3,6)-Fullerene, MATH/CHEM/COMP 2011, 2011.
  14. G. H. Fath, & Tabar, The Spectral Moments of (3,6)-Fullerene, 7th Nanoscience and Nanotechnology Conference (NanoTR-VII), 2011.
  15. G. H. Fath, & Tabar, Estrada Index of (5,6) and (4,6)-Fullerenes, 7th Nanoscience and Nanotechnology Conference (NanoTR-VII), 2011.
  16. G. H. Fath, & Tabar, The Estrada Index of Some Fullerenes, MATH/CHEM/COMP 2010, 2010.
  17. G. H. Fath, & Tabar, The Number of Closed Walks of Some Innite Class of Fullerenes, MATH/CHEM/COMP 2010, 2010.
  18. G. H. Fath, & Tabar, The PI-Index of Some Nano Structures, MATH/CHEM/COMP 2010, 2010.
  19. G. H. Fath, & Tabar, Computing Closed Walks of Nanostar Dendrimers, 6th Nanoscience and Nanotechnology Conference (NanoTR-VI), 2010.
  20. G. H. Fath, & Tabar, 5. Some Topological Indices Of Non-Commuting Graph Of Dihedral Groups, The First Iranian Conference on Chemical Graph Theory, 2010.

## Papers in Journals

1. Fatemeh Taghvaei, Gholam Hossein Fath, & Tabar, The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy, Linear Algebra and its Applications, pp. 190-205, 2020 8 20.
2. محمد حسن آهنگرانی و غلامحسین فتح تبار, The coalescence of multi-wheel and starlike graphs is DLS, Journal of Mahani Mathematical Research, 2025.
3. اکرم حسینی و غلامحسین فتح تبار, A Mathematical Perspective on Graph Operations and Modularity Properties, Caspian Journal of Mathematical Sciences, 2025.
4. فرزانه غلامی نژاد, ندا مرادی, غلامحسین فتح تبار, ال برتنو, G-graph and G-gyro-graph, Atti della Accademia Peloritana dei Pericolanti-Classe di Scienze Fisiche, 2025.
5. میثم طاهری و غلامحسین فتح تبار, On the Volume of  $\mu$ -Way  $S(K_1, 3)$ -Trade on (3, 6)-Fullerene Graphs, Match, 2025.
6. H. Taheri, G.H. Fath, & Tabar, On Minimum Algebraic Connectivity of Tricyclic Graphs, Mathematics Interdisciplinary Research, 2023 4 11.

7. F. Taghvaei, G.H. Fath ,& Tabar,Note on skew-eigenvalues of digraphs,Transactions on Combinatorics,pp. 12,2023 3 12.
8. M Arabzadeh, GH Fath ,& Tabar, H Rasouli, A Tehranian,On the difference between Laplacian and signless Laplacian coefficients of a graph and its applications on the fullerene graphs,Iranian Journal of Mathematical Chemistry,2023 3 10.
9. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar,The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy,Linear Algebra and its Applications,2020 8 20.
10. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar,The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy,Linear Algebra and its Applications,2020 8 20.
11. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar,The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy,Linear Algebra and its Applications,2020 8 20.
12. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar,The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy,Linear Algebra and its Applications,2020 8 20.
13. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar,The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy,Linear Algebra and its Applications,2020 8 20.
14. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar,The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy,Linear Algebra and its Applications,2020 8 20.
15. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar,The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy,Linear Algebra and its Applications,2020 8 20.
16. Fatemeh Taghvaei, Gholam Hossein Fath ,& Tabar,The number of the skew-eigenvalues of digraphs and their relationship with optimum skew energy,Linear Algebra and its Applications,2020 7 20.
17. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
18. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
19. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
20. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
21. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
22. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
23. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
24. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
25. Tomislav Došlić · Meysam Taheri-Dehkordi · Gholam Hossein Fath-Tabar,Packing stars in fullerenes,Journal of Mathematical Chemistry,2020 11 15.
26. S. Akbari, G. H. Fath ,& Tabar and E. Ghasemian,An inequality using perfect- matchings and Laplacian spread of a graph,Linear and Multilinear Algebra,2018.
27. G.H. Fath ,& Tabar,Some new upper bounds on the Wiener and edge wiener index of k-connected graphs,Ars combinatoria,Vol. 136,pp. 335-339,2018.

28. E. Ghasemian and G. H. Fath ,& Tabar,Signed generalized Peterson graph and its charactristic polynomial,Journal of Algebraic Systems,2018.
29. G.H. Fath ,& Tabar,Some new upper bounds on the Wiener and edge wiener index of k-connected graphs,Ars combinatoria,2018.
30. S. Akbari, G. H. Fath ,& Tabar and E. Ghasemian,An inequality using perfect- matchings and Laplacian spread of a graph,Linear and Multilinear Algebra,pp. 138-148,2018.
31. E. Ghasemian and G. H. Fath ,& Tabar,Signed generalized Peterson graph and its charactristic polynomial,Journal of Algebraic Systems,pp. 13-28,2018.
32. S. Jafari, A.R. Ashra, G.H. Fath ,& Tabar and M. Tavakloli,Remraks on the inner power of graphs,J. Appl. Math. Informatics,2017.
33. R. Nasiri, H. R. Ellahi, A. Gholami A.R. Ashrafi and G. H. Fath ,& Tabar,Resol- vent Estrada and Signless Laplacian Estrada Indices of Graphs,MATCH Commun. Math. Comput. Chem,2017.
34. R. Nasiri, H. R. Ellahi, G. H. Fath ,& Tabar and A. Gholami,The Signless Lapla- cian Estrada Index of Unicyclic Graphs,Mathematics Interdisciplinary Research,2017.
35. R. Nasiri, H. R. Ellahi, A. Gholami A.R. Ashrafi and G. H. Fath ,& Tabar,Resol- vent Estrada and Signless Laplacian Estrada Indices of Graphs,MATCH Commun. Math. Comput. Chem,pp. 157-176,2017.
36. R. Nasiri, H. R. Ellahi, G. H. Fath ,& Tabar and A. Gholami,The Signless Lapla- cian Estrada Index of Unicyclic Graphs,Mathematics Interdisciplinary Research,pp. 155 - 167,2017.
37. S. Jafari, A.R. Ashra, G.H. Fath ,& Tabar and M. Tavakloli,Remraks on the inner power of graphs,J. Appl. Math. Informatics,Vol. 35,pp. 25 - 32,2017.