

## CURRICULUM VITAE

**Name** UMA TUL SAMEE

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### Education

Ph. D.	2013	(Mathematics)	University of Kashmir
M.Phil.	2008	(Applied Mathematics)	A.M.U. Aligarh, India
M.Sc.	2003	(Mathematics)	University of Kashmir
B.Sc.	2001	(Mathematics)	University of Kashmir

**Teaching Experience** Ten Years

- Institute of Technology, University of Kashmir w.e.f. 11-3-2020 till date
- Islamia College for Science and Commerce, Srinagar w.e.f. 1-3-2014 to 29-7-2019
- Govt. Degree College Tral w.e.f. 17-3-2010 to 23-11-2010
- Govt. Degree College (Boys) Khannabal, Anantnag w.e.f. 2-4-2009 to 14-10-2009

**Research Interests** Graph Theory

### Conferences and Workshops

- Participated in the Research promotion Workshop, Introduction to Graph and Geometric Algorithms, May 18-20, 2015, held at University of Kashmir, jointly organized with TIFR, Mumbai
- Participated in the Advanced Level Workshop on Nonlinear Functional Analysis and its Applications, October 21-29, 2013, held at Department of Mathematics, University of Kashmir
- Presented a contributed talk in the National Conference on Analysis and Applications, November 19-20, 2012, held at National Institute of Technology, Srinagar, India.
- Participated in the JK Science Congress, September 17-19, 2012, held at University of Kashmir, Srinagar, India.
- Participated in the National Conference on Theoretical Computer Science and Discrete Mathematics, January 9-11, 2012, held at Kalasalingam University, Krishnakoil, Tamil Nadu

1. T. A. Naikoo, B. A. Rather, U. Samee and S. Pirzada, On Zagreb index of tournaments, *Kragujevac J. Mathematics*, 48(2) (2024) 241-253. ESCI, Scopus
2. B. A. Chat, U. Samee and S. Pirzada, More on the bounds for the skew Laplacian energy of weighted digraphs, *Communications Comb. Optimization*, 8(2) (2023) 379-390. Scopus
3. T. A. Naikoo, S. Pirzada, U. Samee and B. A. Rather, On degree sets in k-partite graphs, *Acta Univ. Sapientiae, Informatica*, 12, 2 (2020) 251-259. ESCI
4. K. K. Kayibi, U. Samee, S. Pirzada and Merajuddin, Generalized dominoes tilings Markov chain mixes fast, *J. Applied Math. Informatics*, 37, 5-6 (2019) 469-480. ESCI, Scopus
5. H. A. Ganie, U. Samee and S. Pirzada, On graph energy, maximum degree and vertex cover number, *Le Matematiche*, 74, 1 (2019) 163-172. ESCI, Scopus
6. H. A. Ganie, U. Samee, S. Pirzada and Ahmad Al-Ghamdi, Bounds for graph energy in terms of vertex covering and clique numbers, *Electronic J. Graph Theory Applications*, 7(2) (2019) 315-328. ESCI, Scopus
7. B. A. Chat, U. Samee and S. Pirzada, A sufficient condition for r-graphic sequences to be potentially  $K_{\{1,m\}}^r$  graphic, *J. Disc. Math. Sc. Cryp.* 22(1) (2019) 1-8. ESCI, Scopus
8. M. A. Bhat, U. Samee, S. Pirzada, Bicyclic signed graphs with minimal and second minimal energy, *Linear Algebra Application* 551, 8 (2018) 18-35. SCI, Scopus
9. U. Samee and S. Pirzada, On imbalances in multipartite multi digraphs, *Electronic J. Graph Theory Application*, 6, 1 (2018) 84-94. ESCI, Scopus
10. K. K. Kayibi, U. Samee and S. Pirzada Cyclic flats and corners of the linking polynomial, *Acta Univ. Sap. Mathematica*, 10 (1) (2018), 189-197. ESCI, Scopus
11. K. K. Kayibi, U. Samee, S. Pirzada and M. A. Khan, Rejection sampling of bipartite graphs with given degree sequence, *Acta Univ. Sapientiae, Mathematica*, 10(2) (2018) 249-275. ESCI, Scopus
12. K. K. Kayibi, U. Samee, S. Pirzada and M. A. Khan, Sampling k-partite graphs with a given degree sequence, *Acta. Univ. Sap. Informatica*, 10 (1) (2018) 183-217. ESCI
13. S. Pirzada, U. Samee and T. A. Naikoo, Tournaments, oriented graphs and football sequences, *Acta Univ. Sap. Mathematica*, 9 (1) (2017) 213-223. ESCI, Scopus
14. B. A. Chat, U. Samee and S. Pirzada, On multigraphic and potentially multigraphic sequences, *Acta. Univ. Sap. Informatica*, 9 (1) (2017) 35-48. ESCI
15. T. A. Chishti and U. Samee, Marks in bipartite multidigraphs, *J. Comp. Math. Comb. Comp.* (JCMCC), Vol. 84 (2013) 41- 49. ESCI, Scopus
16. T. A. Chishti and U. Samee, Mark sequences in bipartite multidigraphs and constructions, *Acta Univ. Sapientiae, Mathematica*, Vol. 4, No. 2 (2012) 38-48. ESCI, Scopus
17. S. Pirzada, U. Samee, T.A. Naikoo and Merajuddin, Inequalities on marks in multidigraphs, *Italian J. Pure and Applied Mathematics*, 28 (2011) 91-100. ESCI, Scopus

18. U. Samee, Multipartite digraphs and mark sequences, *Kragujevac J. Mathematics*, 35, 1 (2011) 151-163. ESCI, Scopus
19. S. Pirzada, T. A. Naikoo, U. Samee and A. Ivanyi, Imbalances in directed multigraphs, *Acta Univ. Sapientiae, Mathematica*, 2 (2) (2010) 133-145. ESCI, Scopus
20. U. Samee, T. A. Chishti, On imbalances in oriented bipartite graphs, *Eurasian Math. Journal*, 1 (2) (2010) 136-141.
21. S. Pirzada and U. Samee, Mark sequences in tripartite multidigraphs, *J. Applied Mathematics and Informatics*, 27( 5-6) (2009) 1405-1410. ESCI, Scopus
22. S. Pirzada, Merajuddin and U. Samee, Inequalities in oriented graph scores, *Bull. Allahabad Mathematical Society*, 23 (2) (2008) 389-395.
23. S. Pirzada, Merajuddin and U. Samee, On oriented graph scores, *Matematicki Vesnik*, 60 (2008) 187-191. ESCI, Scopus
24. S. Pirzada, Merajuddin and U. Samee, Mark sequences in 2-digraphs, *Journal Applied Mathematics and Computing*, 27 (2008) 379-391. SCI, Scopus
25. S. Pirzada, U. Samee and Merajuddin Mark sequences in bipartite 2-digraphs, *International J. Mathematical Sciences*, 6, 1 (2007) 97-105.
26. S. Pirzada, U. Samee, Merajuddin and T. A. Naikoo, Mark sequences in 3-partite 2-digraphs, *J. Korean Society of Industrial and Applied Mathematics*, 11, 1(2007) 41-56. ESCI, Scopus
27. S. Pirzada and U. Samee, Mark sequences in digraphs, *Seminare Lotharingien de Combinatoire*, 55(2006) Art.B55c . ESCI, Scopus

### **Courses Taught**

Undergraduate classes: Real analysis, Algebra, Calculus, Differential Equations

B. Tech. Classes: Complex Analysis, Numerical Analysis, Algebra, Differential Equations, Laplace and Fourier Transformations