

Curriculum Vitae

Dr. Sk Amanathulla



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Career objectives:

To apply my knowledge and skill in a highly competitive environment where it is valued and put to use. I would like to grow myself with the growth of organization. I would like to sharpen my knowledge with practical experience.

Technical Knowledge:

Topics	Flavors
Operating Systems	windows
Programming languages	C, C++

Academic Qualifications:

Qualification	Board / University	Subjects	Year	Division
M.Sc.	Vidyasagar University	Applied Mathematics	2009	1 st
B.Sc.	Vidyasagar University	Mathematics (H), Chemistry, Physics	2007	1 st
Higher Secondary	W.B.C.H.S.E	Bengali, English, Mathematics, Physics, Chemistry, Biology	2004	1 st

Madhyamik	W.B.B.S.E	Bengali, English, Mathematics, Physical Science, Life Science, History, Geography	2002	1st
NET	CSIR	Mathematical Science	2014	
GATE	Rank: 247	Mathematical Science	2009	
Ph. D	Vidyasagar University	Graph Theory	2018	

Subjects of Interest:

- Algebra
- Analysis
- Computational Mathematics
- Graph Theory
- Discrete Mathematics

Extra Curricular Activities:

List of Presentation of Papers in Conference

1. **Title of article:** Surjective $L(2,1)$ -labeling of paths and interval graphs.

Conference details: A National Conference On Engineering Mathematics (TOPAS 2017), Organized by **Department of Mathematics, IIT Kharagpur, West Bengal, December 16-17, 2017.**

2. **Title of article:** Algorithm to solve $L(0,1)$ - and $L(1,1)$ - labeling problems on circular-arc graphs.

Conference details: National Seminar on Recent Trends in Applied Mathematics and Its Computational Aspects, Organized by **Department of Applied Mathematics, Calcutta University, West Bengal, March 25-27, 2015.**

3. **Title of article:** Surjective $L(2,1)$ -labeling of paths and interval graphs.

Conference details: UGC Sponsored National Conference **NCFTACM 17**, Organized by **Department of Mathematics, Vidyasagar University, West Bengal, March 29-30, 2017.**

4. **Title of article:** $L(3,2,1)$ - and $L(4,3,2,1)$ -labeling problems on circular-arc graphs.

Conference details: National Conference On Optimization and Computational Mathematics (NCOCM 2016), Organized by **Department of Mathematics, Vidyasagar University, West Bengal, March 01-02, 2016.**

5. Title of article: Surjective L(2,1)-labeling of cycles and circular-arc graphs.

Conference details: State Level Seminar on Mathematics and its Applications (SLSMA-2019), Organized by **Department of Mathematics, Belda College, West Bengal, March 29, 2019.**

6. Title of article: Surjective L(3,1)-labeling of circular-arc graphs.

Conference details: Three Days international Seminar On “Systematic Approach To Modern Sciences And Its Philosophical Impacts”, Organized by **, Bajkul Milani Mahavidyalaya, West Bengal, February 6-8, 2020.**

Also, I have attained some Conference and Workshop as listener given below.

7. National Seminar On “Applied and Computational Mathematics and their Applications” , Organized by **Department of Mathematics, Vidyasagar University, West Bengal, 7th March , 2008.**

8. A self-Sponsored Workshop on “Signed Graphs and Semi Graphs” , Organized by **Department of Mathematics, NIT Durgapur, West Bengal, October 3-7 , 2016.**

9. ADMA Pre-Conference Workshop On Fuzzy Graphs, Organized by **Department of Mathematics, B.S. Abdur Rahaman University, Vandalur, Chennai,-600048, June 7-9 , 2016.**

10. 13th Annual ADMA Conference and Graph Theory Day-XIII, Organized by **Department of Mathematics, SSNCE & ADMA, Tamilnaru, June 8-10 , 2017.**

List of Publication:

1. Sk. Amanathulla and M. Pal, Surjective L(2,1)-labeling of cycles and circular-arc graphs, Journal of Intelligent and Fuzzy Systems, 35 (2018), 739-748, SCIE, Impact Factor: 1.637.

2. Sk. Amanathulla, M. Pal and Sankar Sahoo, L(3,1,1)-labeling numbers of squares of paths, complete graphs and complete bipartite graphs, Journal of Intelligent and Fuzzy Systems, DOI:10.3233/JIFS-172195, SCIE, Impact Factor: 1.637.

3. Hossein Rashmanlou , G. Muhiuddin, Sk Amanathulla, R. A Borzooei and Madhumangal Pal, A Study On Cubic Graphs With Novel Application, JIFS, (SCIE Impact Factor-1.637).

4. Sk. Amanathulla and M. Pal, L(3,2,1)- and L(4,3,2,1)-labeling problems on interval graphs, AKCE International Journal of Graphs and Combinatorics, 14 (3) (2017) 205-215, SCOPUS INDEXED.

5. Sk. Amanathulla and M. Pal, $L(h_1, h_2, \dots, h_m)$ -labeling problems on circular-arc graphs, Far East Journal of Mathematical Sciences, 102(6) (2017) 1279-1300, SCOPUS INDEXED.

6. Sk. Amanathulla and M. Pal, $L(h_1, h_2, \dots, h_m)$ -labeling problems on interval graphs, International Journal of Control Theory and Applications, 10(01) (2017) 467-479, **SCOPUS INDEXED**.
7. Sk. Amanathulla and M. Pal, L(3,2,1)-labeling problems on permutation graphs, Transylvanian Review, 25(14), 2017 3939-3953, **SCOPUS INDEXED**.
8. Sk. Amanathulla and M. Pal, L(0,1)- and L(1,1)-labeling problems on circular-arc graphs, International Journal of Soft Computing, 11(6) (2016) 343-350, **SCOPUS INDEXED**.
9. Sk. Amanathulla and M. Pal, L(3,2,1)- and L(4,3,2,1)-labeling problems on circular-arc graphs, International Journal of Control Theory and Applications, 9(34) (2016) 869-884, **SCOPUS INDEXED**.
10. Sk. Amanathulla and M. Pal, L(1,1,1)- and L(1,1,1,1)-labeling problems of square of paths, complete graphs and complete bipartite graphs, Far East Journal of Mathematical Sciences, 106(2) (2018) 515-527 (**SCOPUS INDEXED**).
11. Sk. Amanathulla and M. Pal, L(h,k)-labeling problems on intersection graphs, Book chapter on applications of graph theory in modern society, IGI GLOBAL (**SCOPUS INDEXED**).
12. Sk. Amanathulla and M. Pal, L(2,2,1)-labeling numbers of square of paths, (Accepted), International Journal of Advanced Intelligent Paradigms (**SCOPUS INDEXED**).
13. Sk. Amanathulla, Graph Theory Involve In Reality, Book Chapter, Cambridge Scholar Publishing (**KDM publisher**).
14. Sk. Amanathulla and M. Pal, Surjective L(2,1)-labeling of paths and interval graphs, Communicated.
15. Sk. Amanathulla and M. Pal, L(2,1,1)-labeling numbers of square of paths, Communicated.
16. Sk. Amanathulla and M. Pal, L(3,2,1)-labeling of square of paths, Communicated.
17. Sk. Amanathulla and M. Pal, L(3,1)-labeling of paths and interval graphs, Communicated.
18. Sk. Amanathulla and M. Pal, L(3, 2, 1)-labeling problems on trapezoid graphs, Communicated.
19. Jasminara Khatun, Sk Amanathulla and Madhumangal Pal, Picture fuzzy graph, Communicated.
20. Jasminara Khatun, Sk Amanathulla and Madhumangal Pal, surjective L(3,1)-labeling of circular-arc graphs, Communicated.
21. Nupur Patra , Sk Amanathulla, Sukumar Mondal and Madhumangal Pal, K-L(2,1)-labeling of interval graphs, Communicated.
22. Biswajit Bera and Sk Amanathulla, Balanced Picture fuzzy graph, Communicated.