Detailed CV

Name: Dr. Kishori. P. Narayankar

Educational Qualification: M.Sc.,Ph.D, P.G.D.C.A

Designation: Asst Professor

Address for Correspondence: Department of Mathematics

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Research Areas: Graph Theory

Professional Teaching Experience: 12 years

Research Guidance (M.Phil. /Ph.D.):

Completed students' list (with hyperlinks to their CV if available)

		Registered	Submitted
1. Lokesh S B :	Awarded	2012-2013	February-2017
2. Shubhalakshmi D	Awarded	2012-2013	October-2017
3. Dickson Selvan	Awarded	2015-2016	September-2020
4. Afework Teka	Submitted	2015-2016	

Ongoing Registered Students' list

5. Anteneh Alemn	2015-2016
6. Denzil Saldanha	2017-2018
7. Pandit Giri Mohandas	2017-2018

Research Projects (List)(if applicable)

Completed

Sl. No.	Title of the Project	Name of the funding agency	Duration	Status
1.	Some Aspects of distance Concept in Graph Theory	UGC, New Delhi	3 Years	Completed
2.	One Distance Parameters of a graph and its applications	DST (SERB)	3 Years	completed

Ongoing: Nil

Professional Collaboration(if applicable)

International: Yes

National

Research Journal Publications (list)

LIST OF PUBLICATIONS:

1. Walikar. H. B. Acharya. B. D., **Kishori P. Narayankar**., H. G. Shekharappa., Proc Graphs, Combinatorics, Algorithms and Applications, Edi S. Arumugam, Acharya. B. D and S. B. Rao., Narosa Publishing House. New Delhi.

2. **Kishori P. Narayankar**,. Lokesh S. B., Veena mathad, and Ivan Gutman, Hosoya Polynomial Of Hanoi Graphs Kragujevac Journal of Mathematics, Volume 36 Number 1 (2012), Pages 77-83.

3. Sandi Klavˇzar, **Kishori P. Narayankar**, H. B. Walikar Almost Self-Centered Graphs *Acta Mathematica Sinica, English Series* Dec., 2011, Vol. 27, No. 12, pp. 2343–2350.

4. K.P. Narayankar∗ and S.B. Lokesh, Peripheral Wiener index of a graph, Communications in Combinatorics and Optimization Vol. 2, No. 1, 2017 pp.43-56

5. H. B. Walikar , Shailaja S. Shirkol, **Kishori P.Narayankar.** Singed Total Domatic Number of a Graph, International J.Math. Combin. Vol.1 (2010), 01-04.

6. H. B. Walikar, **Kishori P. Narayankar** and Shailaja S. Shirakol The Number of Minimum Dominating Sets in Pn × P2 International J.Math. Combin. Vol.3 (2010), 17-21.

7. Harishchandra S. Ramane, **Kishori P. Narayankar**, Shailaja S. Shirkol and Asha B. Ganagi, Terminal Wiener Index of Line Graphs, Match Volume 69 (2013) number 3, Pages 775-782.

8. Sandi Klavžar, **Kishori P. Narayankar**, H. B. Walikar and S. B. Lokesh Almost-Peripheral Graphs. Taiwanese Journal of Mathematics Vol. 18, No. 2, pp. 463-471, April 2014.

9. **Kishori P. Narayankar**, S. B. Lokesh, S S Shirkol, H S. Ramane Terminal Hosoya polynomial of Thorn Graphs, , Scientia Magna 9 (3) 2013.

10. H S Ramane, A B Ganagi, **Kishori P Narayankar**, S S Shirkol, Terminal Hosoya Polynomial of Line Graphs. Journal of Discrete Mathematics 2013.

11. Veena Mathad, **Kishori P Narayankar**, On Lict Sigraphs, Transactions on Combinatorics Transactions on Combinatorics ISSN (print): 2251-8657, ISSN (on-line): 2251-8665 Vol. 3 No. 4 (2014), pp. 11-18.

12. **Kishori. P. Narayankar**, Harishchandra S. Ramane and S. B. Lokesh, Some Aspects of Distance Concepts in Graph Theory, Monograph (2013).

13. **Kishori P. Narayankar**, S. B. Lokesh, H S. Ramane Edge-distance pattern distinguishing graph, Scientia Magna Vol. 11 (2016), No. 2, 21-32.

14. **Kishori. P. Narayankar**, Lokesh S.B. D. Shubhalakshmi And H.S. Ramane, Peripheral Path Index Polynomial, Indian J. Discrete Math., Vol. 1, No. 1, (2015) pp. 45 – 57 (Academy of Discrete Mathematics and Applications, India).

15. **Kishori. P. Narayankar,** Lokesh S.B. and Veena Mathad, Vertex-to-Edge-set Distance Neighborhood Pattern Matrices, International J.Math. Combin. Vol.3(2015), 105-115

16. **Kishori. P. Narayankar**, D. Shubhalakshmi, Pure and almost Pure Golden Graphs, International Journal of Latest Trends in Engineering and Technology, Spl. Issue SACAIM-2016 Pp 454-460

17. **Kishori. P. Narayankar**, Dickson Selvan, Geometric Arithmetic Status Index Of Graphs, International Journal of Mathematical Archive-8 (7), 2017, 230-233.

18. **Kishori. P. Narayankar**, Dickson Selvan, Geometric Arithmetic Temperature Index of Certain Nanostructures. Journal of Global Research in Mathematical Archives, Volume 5, No.5, May 2018.

19. **Kishori. P. Narayankar**, Dickson Selvan, Afework. K., Harmonic Temperature Index of Certain Nanostructures. International Journal of Mathematics Trends and Technology (IJMTT) – Volume 56 Number 3 - April 2018.

20. **Kishori. P. Narayankar**, Sandi Klavz̆ar, D. Shubhalakshmi. Simplified Constructions of almost Peripheral Graphs and Improved Embeddings into them. Filomat 32, 4 (2018), 1193–1198.

21. Afework T and **Kishori P. Narayankar.,** Peripheral Wiener index of graph operations, Bulletin Of The International Mathematical Virtual Institute, Vol. 9 (2019), 591-598.

22. **Kishori P. Narayankar** , Afework T. Kahsay , Sandi Klav̆zar, On Peripheral Wiener Index: Line Graphs, Zagreb Index, and Cut Method, MATCH Commun. Math. Comput. Chem. 83 (2020) 129-141.

23. Afework Teka Kahasy, **Kishori Narayankar**, Dickson Selvan, Atom bond connectivity temperature index, Journal of Mathematical Nano Science, Vol 8, No 2, (2018) 67-75.

24. **Kishori P. Narayankar** and Shubhalakshmi, On the Preripheral Laplacian Energy of Graphs, Indian J. Discrete Math., Vol. 4, No.1 (2018) pp. 53–65,

25. Sandi Klavzˇar, **Kishori P. Narayankar** and Lokesh S. B, Construction of Uniform Central Graph. Indian J. Pure Appl. Math., 50(2): 451-460, June 2019.

26. **Kishori P. Narayankar** and Lokesh S. B on ⊦ eccentric graph, Energy, Vol 8 No 5, pp 7-7.

27. **Kishori P. Narayankar** and Lokesh S. B Peripheral distance energy of graphs Mathematical Combinatorics, Vol 1, (2017) 88-101.

28. Afework Kahsay and **Kishori Narayankar.** Peripheral Wiener index of graph operations. bulletin of the international mathematical virtual institute. Vol. 9(2019), 591-598.

29. **Kishori P N**, Dickson Selvan, Randic status index of graphs. Indian J. Discrete Math., Vol. 4, No.1 (2018) pp. 1–13.

30. **Kishori P N**, Afework T K, Status coindex distance sum of graphs, Indian J. Discrete Math., Vol. 4, No.1 (2018) pp. 27–46.

31. **Kishori P N**, Dickson Selvan. On topological properties of Dyck -56 Network. International Journal of Applied Graph Theory Vol.4, No.1 (2020), 01 - 15.

32. **Kishori P. Narayankar,** Dickson Selvan and Afework T. Kahsay, On status coindex distance sum and status connectivity coindices of graphs. International J.Math. Combin. Vol.3(2019), 90-102.

33. **Kishori P Narayankar**, Denzil Jason Saldanha, John Sherra, Uni-Distance Domination of Square of Paths, International Journal of Mathematical Combinatorics, Vol.2(2020), 118-120.

34. Raju Jummannaver, **Kishori Narayankar** and Dickson Selvan, Zagreb Index And Coindex Of Kth Generalized Transformation Graphs, Bull. Int. Math. Virtual Inst., Vol. 10(2)(2020), 389-402.

35. **Kishori P Narayankar**, Denzil Jason Saldanha, John Sherra, Unique Metro Domination of Cube of Paths, International Journal of Mathematics Trends and Technology (IJMTT) – Volume 66 Issue 3- March 2020

36. **Kishori P Narayankar**, Denzil Jason Saldanha, John Sherra, Unique Metro Domination of Square of Cycles, Journal of Research in Applied Mathematics Volume 6 ~ Issue 1 (2020) pp: 01-03.

Books / Book chapters / Translations published:

1. Geometric Arithmetic Temperature Index of Graphs, Lambert Publishing House, ISBN:978-620-0-21817-9

Papers/ poster presentations in Conferences / Seminars / Symposia (list)

SI No.	Title of the paper presented	Title of Conference/ Seminar	Organizer	International / National / State / Regional / College / University level
1	Almost Self Centered Graph	International Conference on Recent Development in Combinatorics and Graph Theory	Kalasalingam University, Krishnankoil, Tamil Nadu, India	International

2	Embedding index of almost self-centered graph	International Conference on Recent Trends in Graph Theory and Combinatorics	Cochin University of Science and Technology , Cochin, Kerala,	International
3	Critically Median Graphs	Indo-Slovenia International Conference on Graph Theory and Applications	Dept. of Futurs Studies, University of Kerela. , In association with University of Maribor and Institute of Math., Phy.,Mech., Slovenia.	International
4	Signed total domatic number of some well-known class of graphs	National Conference on Emerging Trends in Fluid Mechanics and Graph Theory	Christ University, Bangalore	National
5	Distance Between two Graphs by Edge Rotation	National Conference on Methematical methods and applications	Department of Mathematics, BEC, Bagalkot and PDACE, Gulbarge.	National
6	Almost self centered graph	National conference on analysis and applications with special emphasis on	Department of Mathematics, Karnatak University, Dharwad.	National

		Algebra and Topology		
7	Social Exclusion and Inclusive Growth : Strategies of Social Network	National conference on Social Exclusion and Inclusive Growth: Challenges and Strategies	Department of Social Work, Mangalore University.	National
8	Centrality in Social Network And Social Exclusion.	National conference on Social Exclusion and Inclusive Growth: Challenges and Strategies	Department of Social Work, Mangalore University.	National
9	Social Network And Its Applications in Exclusion and Inclusive Society .	National conference on Social Exclusion and Inclusive Growth: Challenges and Strategies	Department of Social Work, Mangalore University.	National
10	Graph Theory And its Applications to the Problems of Excluded Communities	National conference on Social Exclusion and Inclusive Growth: Challenges and Strategies	Department of Social Work, Mangalore University.	National
11	Social Exclusion and Inclusive Growth in Social	National conference on Social Exclusion	Department of Social Work, Mangalore	National

	network Perspective.	and Inclusive Growth: Challenges and Strategies	University.	
12	Peripheral Path Index polynomial of a Graph	Recent Trends in Graph Theory and its Applications	Department of Mathematics, Mangalore University	National
13	Peripheral Path Index	Recent Trends in Graph Theory and its Applications	Department of Mathematics, Mangalore University	National
14	k-Eccentric Graphs	National Conference on Graph Theory and Discrete Mathematics	Department of Mathematics, Mangalore University	National
15.	Construction of p-Equienergetic Graphs	National Conference on Graph Theory and Discrete Mathematics	Department of Mathematics, Mangalore University	National
16	Status Coindices Distance Sum	National Conference on Graph Theory and Discrete Mathematics	Department of Mathematics, Mangalore University	National
17	On the Peripheral Laplacian Energy of a Graph	National Conference on Graph Theory and Discrete Mathematics	Department of Mathematics, Mangalore University	National
18	Randic Status Index of Graphs	National Conference on	Department of Mathematics,	National

		Graph Theory and Discrete Mathematics	Mangalore University	
19	Construction of non trivial uniform central graph	National Conference on Graph Theory and Discrete Mathematics	Department of Mathematics, Mangalore University	National
20	Signed dominating graphs for which weight of every vertex is exactly one	National Conference on Graph Theory and Discrete Mathematics	Department of Mathematics, Mangalore University	National
Total	20			

Invited / plenary talks delivered (list) (if applicable)

Sl. No	Title of Lecture/Academic Session	Title of Conference / Seminar etc.	Organizer	International / National
1	Number of Minimum Dominating Sets of Circulant graphs	Inter National Conference on Mathematical Science in Honour of Prof. A. M. Mathai.	Dept of Statistics St Thomas Collage Pala, Kottayam, Kerala, India.	Inter National
2	Introduction to bounds on Roman Domination .	National Conference on Recent Advances in Applied Mathematics	D. O. S in Mathematics, Gulbarga University, Gulbarga-585706, Karnataka, India.	National

3	k-eccentric point graph.	National Conference on Graph Networks and Navigators	Poornaprajna College, Udupi, Karnataka, India.	National
4	Peripheral Wiener index of Graphs, line graphs and related properties	National Conference on Recent Advancements in Graph Theory	Department of Mathematics, Gujarat University	National
Total	*04*			

Impact of publications in terms of (Non-science faculty can leave out this item, if unable to fill up).

h-index:7

i10 index:5

Citation index: 122

Conferences / Seminars / Workshops / Symposia organized(if applicable)

Event	In India
Conference Organized	National Level conference entitled "**National Conference in Recent Trends in Graph and its Applications**" on Feb 5-6, 2015 Funded by DST, NBHM
Conference Organized	National Level conference entitled "**National Conference on Graph theory and Discrete Mathematics**" on Feb 5-6, 2018, Funded by DST

Workshop Organized	Two day special lecture series workshop on **"Recent trends in Mathematics"** on Oct 5-6, 2018
Lecture Series Organized	One Day Special Lecture Series on **"Recent Developments in Modeling and its Applications"** on 5th December 2017
Special lecture series Organized	Two Day Special lecture series in **"Modern Algebra and extremal problems in graph theory"** for M. Sc students on 16th & 18th March 2019
Orientation Workshop Organized	Two day Orientation Workshop Organized for M. Sc students on 15-16-July 2019.
Workshop Organised	Two day Workshop on SciLab for PG Teachers on 15-16-July 2019.
Participated as Paper Contributor /Resource Person/ Presenter / Discussant	3 Invited talks given in various University/Institutes. Chaired a section in various conferences and workshops

Awards / Fellowship / Recognition (Specify)(if applicable)

Name of the Body/Society	Name of Award / Fellowship / Nature of Membership / Editorship

Venus International Foundation	Outstanding Scientist in Mathematics
Indian Science Congress	Life Member
Academy of Discrete Mathematics and its Applications	Life Member
JRF Fellowship in DST sponsored MRP	JRF Fellowship

Membership of Professional Bodies

Name of the Body/Society	Nature of Affiliation
Board of Studies in PG & Ph. D, Mangalore University	Member
Board of Examiner, Mangalore University	Chairman
Board of Appointment of Examiner, Mangalore University	Member
Admission Committee, Mangalore University	Chairman
Board of Studies in PG in St. Aloysius College, Mangalore (University nominee)	Member