

S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD-2

Department of Mathematics

Paper Publication in National/International Journal

2020-21

Sl. No	Name of the faculty member	Title of the Journal	Title of the Paper	Date of Publication	Vol / Issue / Page
1	Dr.Jenifer J Karnel / Varsha Joshi	Journal of Computer and Mathematical Sciences	Regular generalized fuzzy b-irresolute map in fuzzy topology	2021	vol(12) - 4.655
2	Dr.Shailaja Shirkol	Journal of Shanghai Jiaotong University,	Distance –Based Topological Acharya polynomial and Indices of Hamiltonial Graphs	2021	Vol 17, Issue 2, 22
3	Dr.Shailaja Shirkol	Palestine Journal of Mathematics	Hyper terminal wiener index of some dendrimer graphs and detour saturated trees, issn:1007-1172.	2020	vol. 9(2) , 740–748
4	Dr.Shailaja Shirkol	Journal of Shanghai Jiaotong University,	On neighborhood degree distance and neighborhood gutman Index of molecular graphs,	2020	volume 16, 6.2
5	Dr.Shailaja Shirkol	Journal of Archive	New Eccentricity Based Topological Transformation Graphs	2020	1, 2020
6	Prof.Basavaraj Hoogar	Malaya Journal of Mathematik	An Improved Method Based on Block Pulse Functions for the Numerical Solution of Volterra type Delay Integral Equations	2020	Vol.S.1, 163-167.

7	Prof.Basavaraj Hoogar	Journal of Computer and Mathematical Sciences	Legendre Multiwavelet Method for the solution of Linear Fractional Time Delay Systems	2020	Vol.11(9), 1.69
8	Prof.Basavaraj Hoogar	Global Journal of Pure and Applied Mathematics	Modified Numerical Technique for the Solution of Fractional Delay differential Equations via Bernoulli Wavelets	2020	Vol.16(6),4.655

2019-20

Sl. No	Name of the faculty member	Title of the Journal	Title of the Paper	Date of Publication	Vol / Issue / Page
1	Dr.D .P. Basti/ Shreekant K	International Journal of Advance and Innovative Research	Effect of Couple Stresses on the characteristics of Squeeze Film Lubrication between Curved circular Plates	2019	Volume 6, Issue 2
2	Dr.Jenifer J Karnel/ Varsha Joshi	Journal of Emerging Technologies and Innovative Research	Regular generalized fuzzy b-closed sets in fuzzy topological spaces	2019	Vol(6) - 5.87
3	Dr.Jenifer J Karnel/ Varsha Joshi	International Journal of Advances and Innovative Research	New forms of irresolute maps in fuzzy topology	2019	vol(6)-7.36

4	Dr.Shailaja Shirkol	International Journal of Scientific and Technical Research in Engineering (IJSTRE)	On Square Degree Distance Of Mycielskian Graphs,	2019	Volume 4, Issue 1,
5	Dr.Shailaja Shirkol	Journal of Applied Mathematics and Nonlinear Sciences	QSPR Analysis of certain Distance Based Topological Indices	2019	4(2) (2019)
6	Prof.Basavaraj Hoogar	International Journal of Management, Technology and Engineering	Numerical Solution of Partial Differential Equations using Laguerre Wavelets Collocation	2019	Vol.9(1), 3.953
7	Prof.Basavaraj Hoogar	International Journal of Advance and Innovative Research	Laguerre Wavelet Based Series Solution for Solving Neutral Delay Differential Equations	2019	Vol.6 (2),40-44.
8	Prof.Basavaraj Hoogar	International Journal of Management, Technology and Engineering	Laguerre Wavelet Based Numerical Method for the Solution of third order Nonlinear Delay Differential Equations with damping	2019	Vol.9(1), 3640-3647.

2018-19

Sl. No	Name of the faculty member	Title of the Journal	Title of the Paper	Date of Publication	Vol / Issue / Page
1	Dr. Shailaja S. Shirkol	Journal of Mathematics (IOSR-JM) www.iosrjournals.org,	Degree based topological indices of Penta chains, IOSR	2018	Volume 14,

2	Dr. Shailaja S. Shirkol	Journal of Advances in Mathematics and Computer	Multidisemigraph Poset	2018	Vol-27(2): 1-14,
3	Dr. Shailaja S. Shirkol	International Journal of Mathematical Archive- Available online through www.ijma.info	On Hyper Terminal Wiener Index of Graph	2018	Vol-9(10),
4	Dr. Shailaja S. Shirkol	Proceedings of the Workshop 16 th Cologne-Workshop on Graphs and Combinatorial Optimization	Total k-rainbow Domatic Number	2018	June 18-20
5	Dr. Shailaja S. Shirkol	International Journal of Advance and Innovative Research	Graphene Based Electrode Materials for Supercapacitors applications	2018	Vol 5.Issue 4. Pp7
6	Prof.Basavaraj Hoogar	International Multidisciplinary Research Foundation	Hermite Wavelet Based Numerical Method for the Solution of Second Order Delay Differential Equations	2018	Vol.7(2), - 4.3

2017-18

Sl. No	Name of the faculty member	Title of the Journal	Title of the Paper	Date of Publication	Vol / Issue / Page
1	Dr. D .P. Basti	Journal of Porous Media	Non-Newtonian fluid model for pressure-driven flow between porous and rough surfaces in journal bearing	2017	Vol 20(10)

2	Dr. Shailaja S. Shirkol	International Journal of Computational and Applied Mathematics. Research India Publications http://www.ripublication.com	A note on signed semigraphs,	2017	Volume 12, 3 pp 887-898
3	Dr. Shailaja S. Shirkol	IOSR Journal of Mathematics	Acharya Polynomial of Thorn Graphs	2017	Volume 13,
4	Dr. Shailaja S. Shirkol	Bulletin of Mathematics and Statistics research	Acharya polynomial of Some Graph Transformations	2017	Vol.5. Issue 3 pp75
5	Prof.Basavaraj Hoogar	IJMRA Publications Journal	Hermite Wavelet Based Method for the Numerical Solution of Linear and Nonlinear Delay Differential Equations	2017	Vol.6(8),6. 71-79, 269
6	Prof.Basavaraj Hoogar	IJMRA Publications Journal	Laguerre Wavelet Based Galerkin Method for the Numerical Solution of Elliptic Problems	2017	Vol.6(8),6, 80-86

2016-17

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1	Dr. Shailaja S. Shirkol	Annals of Pure and Applied Mathematics, House Publishing Research	On the Acharya Polynomial of a Graph.	2016	Vol. 11, No. 2, 2.117
2	Dr. Shailaja S. Shirkol	Proceedings of the National Conference on Recent Trends in Mathematics	On the enumeration of path, unicyclic and bicyclic semigraphs with one or two middle vertices	2016	Vol. 1. 28-34
3	Prof. Basavaraj Hoogar	International scientific periodicals	Series solutions of pantograph equations using wavelets	2016	2(4) -0.89
4	Prof. Basavaraj Hoogar	International scientific periodicals	CAS wavelet based numerical method for the solution of volterra integral equations of second kind	2016	,2(4) -0.89

2015-16

Sl. No	Name of the faculty member	Title of the Journal	Title of the Paper	Date of Publication	Vol / Issue / Page
1	Dr. D. P. Basti	Gwalior Academy of Mathematical Sciences	Finite Element and HaarWavelet Collocation method for the Numerical Solution of Parabolic Type Partial Differential Equations	2015	Vol.2 PP:45-49
2	Dr. Shailaja Shirkol	International Journal of Engineering Research & Technology	Dominating Functions in Semigraphs	2016	Vol.5, Issue 2, 28-32

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