

**BMS****INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

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DEPARTMENT OF MATHEMATICS**FACULTY PUBLICATIONS****2020**

Sr. No.	Faculty Name	Title	Page No. in Journal	Name of Journal	ISSN / ISBN No.	Month of Publication	Year of Publication	Weather Peer Reviewed (Yes / No)	No. of Co authors	Whether You are the Main Author (Yes / No)
	S. Shivaprasada Nayaka	Infinite families of congruences for k -colored overpartitions,		kragujevac journal of mathematics,			(Accepted)	Yes	01	Yes
	S. Shivaprasada Nayaka	Congruences modulo large powers of 3 for 3^{ℓ} - regular cubic bipartition	23, No. 3, 399-411	Proceedings of the Jangjeon Mathematical Society			2020	Yes	01	Yes
	K. Sikdar	Modelling and analysis of a discrete-time GIX/Geom/1/K queue with N threshold policy		International Journal of Mathematics in Operational Research	ISSN- 1757-5869 (Online), 1757-5850 (Print)		(Accepted)	Yes	--	Yes
	Annamma Abraham	Formalization of SOA Concepts with Mathematical Foundation	Vol 10, No 4, 3883-3888,	International Journal of Electrical & Computer Engineering (IJECE)	ISSN: 2088-8708.	Aug	2020	Yes	02	Yes
	Rema V and K. Sikdar	Time series modelling and forecasting of patient arrivals: A research at an Emergency Department of a Hospital in Bengaluru	Vol. 29(7), pg. no., 11361-11392	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN 2207-6360 (Online)	July	2020	Yes	01	Yes
	S. Shivaprasada Nayaka	Arithmetic properties of 2 -color overpartition pairs	67-85	Tbilisi Mathematical Journal		February	2020	Yes	01	Yes
	Kallur V Vijayakumar	Curved domain discretization with boundary defined by polar equations		Journal of Physics: Conference Series		January	2020	Yes	01	Yes

2019

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	K. Sikdar	Analysing a finite buffer queue with finite number of vacation policy and correlated arrivals	Vol 34 (4), pg. no. 582-605	International Journal of Operational Research	ISSN-1745-7653 (Online), 1745-7645 (Print)	February	2019	Yes	-	Yes
	K. V. Vijayakumar	A new approach to auto generation of finite element meshes over curved domains with boundary defined by polar equations	Vol 8 (3), pg. no. 24502-24574	International Journal of Engineering and Computer Science	ISSN: 2319-7242	March	2019	Yes	03	Yes
	K. V. Vijayakumar	Hexahedra discretisation of domains	Volume 8, Issue 6, Page No. 191-197	International Journal for innovative engineering and management research	ISSN 2456-5083	June	2019	Yes	02	Yes

2018

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	Dr. Annamma Abraham, Dr. Rani Titus, Mrs Sreelakshmi T.K., Dr. Chethan A S	Ferromagnetic Liquid Flow due to Inclined Stretching of an Elastic Sheet	44-49	Lecture Notes in Engineering and Computer Science	1 ISBN: 978-988-14047-9-4, ISSN: 2078-0958 (Print), ISSN:2078-0966 (Online)	July	2018	Yes	0.18	3	Yes

2017

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	Dr. Annamma Abraham, Mrs Sreelakshmi T.K., Dr. Chethan A S & Dr. Jojoy Joseph Idicula	Effect of chemical reaction on convective instability in a ferromagnetic liquid.	31-47	International Journal of Science, Engineering and Management	ISSN (Online): 2456-1304	April	2017	Yes	2.7	2	Yes
	Dr. Chethan A. S. & Dr. Annamma Abraham	Influence of thermal radiation on MHD boundary layer flow in a Newtonian liquid with temperature dependent properties over an exponential stretching sheet.	38-48.	International Journal of Science, Engineering and Management	ISSN (Online): 2456-1304	April	2017	Yes	2.7	2	Yes
	Dr. Karabi Sikdar & Mrs Anitha Kiran	Modelling and analysis of M/G(a,b)/1/K queue with a Variant of Multiple Vacation Policy	Vol 6 (12), pg. no. 381-387	International Journal of Computer & Mathematical Sciences (IJCMS)	2347 – 8527.	December	2017	Yes	2.58	1	Yes
	Dr. Karabi Sikdar & Mrs Anitha Kiran	Modelling and analysis of Geom/GI/1/K queue with finite number of vacations	Vol 2 (6), pg. no. 123-128	International Journal of Science, Engineering and Management (IJSEM)	2456 -1304	June	2017	Yes	2.7	1	Yes
	Dr. Karabi Sikdar	Modelling of queueing system at sales checkout and analysis of consumer behaviour: An empirical study at a supermarket in Bengaluru	Vol. 5 (6), pg. no. 311-324	International Journal of Advanced Research	2320-5407	June	2017	Yes	6.118	2	No
	Dr. Annapoorna M S	Laceability in the Modified Distance Graph of Grid Graphs	17-35.	Journal of the International Mathematical Virtual Institute	ISSN: 2303-4947.		2017	Yes			
	Dr. Annapoorna M S	LACEABILITY PROPERTIES IN IMAGE GRAPHS	1 -10.	Asian Journal of Mathematics and Computer	ISSN: 2395-4213	April	2017	Yes			

				Research							
	Mr. Kallur V. Vijayakumar	A Brief Review on The Application of Polynomial Splines To Quadrature In One And Two Dimensions	23107-23191	International Journal of Engineering And Computer Science	ISSN:2319-7242	November	2017	Yes	4.091(SJIF)	3	Yes
	Dr. Pushpa B V	Numerical study of double-diffusive convection in a vertical annular enclosure with a baffle	1-9	IOP Journal of physics		August	2017	Yes		04	Yes

2016											
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	Dr. Karabi Sikdar	Analysis of a finite buffer variable batch service queue with batch Markovian arrival process and server's vacation	Vol. 53 (3), pg. no. 553-583	Opsearch	0030-3887	September	2016	Yes	0.8	1	Yes
	Dr. Annapoorna M S	Laceability in the Total Graph of Some Classes of Graphs	64-76	Gen. Math. Notes	ISSN 2219-7184.	August	2016	Yes			
	Mr. Kallur V. Vijayakumar	Gauss Legendre Quadrature formulas for polygons by using a second refinement of an all quadrilateral finite element mesh of triangular surfaces	16891-16976	International Journal of Engineering And Computer Science	ISSN:2319-7242	June	2016	Yes	3.879(SJIF)	3	Yes
	Mr. Kallur V. Vijayakumar	Numerical Integration Over A Linear Convex Polyhedron Using An All Hexahedral Discretisation And Gauss Legendre Formulas	16272-16242	International Journal of Engineering And Computer Science	ISSN:2319-7242	April	2016	Yes	3.879(SJIF)	4	Yes
	Dr. Pushpa B V	Influence of size and location of a thin baffle on natural convection heat transfer in a vertical annular enclosure	2671-2684	<i>Journal of Applied Fluid Mechanics</i>		November	2016	yes		04	Yes

2015

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	Dr. Annamma Abraham	Ferromagnetic Liquid Flow due to Gravity – Aligned Stretching of an Elastic sheet	pp 591-600	Journal of Applied Fluid Mechanics	ISSN 1735-3572		2015			1	No
	Dr. Chethan A. S.	Flow and heat transfer of an exponential stretching sheet in a viscoelastic liquid with Navier slip boundary condition.	223-229	Journal of Applied Fluid Mechanics	ISSN: 1735-3572		8(2), 2015	Yes	0.75	2	Yes
	Dr. Karabi Sikdar	The GI/Geo/1/K queue with N threshold	pg. no.268-271	5th IEEE International Advanced Computing Conference, IEEE Xplore	978-1-4799-8046-8	June	2015	Yes	9.237	1	Yes
	Dr. Annapoorna M S	Hamiltonian Laceability in the line graph of the (W1,n, K) graph	8 -15.	International Journal of Computer Application	ISSN:2250-1797	August	2015	Yes			
	Mr. Kallur V. Vijayakumar	A New Approach to Automatic Generation of All Quadrilateral Finite Element Mesh for Planar Multiply Connected Regions	12792-12848	International Journal of Engineering And Computer Science	ISSN:2319-7242	June	2015	Yes	3.765(SJIF)	4	Yes

2014

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	Dr. Annamma Abraham	Content based Public Key Watermarking Scheme for Image Verification and Authentication	13	International Journal of Computer Applications	ISSN-2250-1797	May	2014	Yes	0.715	1	No
	Dr. Annamma Abraham	Heat transfer in ferrofluid flow over a stretching sheet with radiation	2198	International Journal of Research and Technology	ISSN: 2278-0181	June	2014	Yes	-	2	No
	Dr. Annamma Abraham	Modelling Micropolar ferromagnetic fluid flow due to stretching of an elastic sheet	667	Afrika Matematika	ISSN: 1012-9405	Sept	2014	Yes	0.59	3	Yes
	Dr. Chethan A. S.	MHD flow and heat transfer of an exponential stretching sheet in a Boussinesq-Stokes suspension.	169-176	Journal of Applied Fluid Mechanics	ISSN: 1735-3572		7(1), 2014	Yes	0.75	2	Yes
	Dr. Chethan A. S.	Flow and heat transfer in a Newtonian liquid with temperature dependent properties over an exponential stretching sheet.	367-374	Journal of Applied Fluid Mechanics	ISSN: 1735-3572		7(2), 2014	Yes	0.75	2	Yes
	Mr. Kallur V. Vijayakumar	Gauss Legendre Quadrature Formulas for Polygons Using an All Quadrilateral Finite Element Mesh of Triangular Surfaces	6636-6680	International Journal of Engineering And Computer Science	ISSN:2319-7242	June	2014	Yes	3.538(SJIF)	2	Yes
	Mr. Kallur V. Vijayakumar	A new automatic finite element mesh generation scheme of all quadrilaterals over an analytical curved surface by using parabolic arcs	7437-7507	International Journal of Engineering And Computer Science	ISSN:2319-7242	August	2014	Yes	3.538(SJIF)	3	Yes