BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
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Publications

Papers: 2021

Authors	Title of the paper	Journal Name	Citation	Indexing
V. Rema and K. Sikdar	Optimizing Patient Waiting Time in the Outpatient Department of a Multi-specialty Indian Hospital: The Role of Technology Adoption and Queue-Based Monte Carlo Simulation	SN Computer Science	Vol 2, pg. no. 1-9. Publication date: 9th April, 2021, ISSN: 2662-9283. DOI: 10.1007/s42979-021-00595-8	CNKI, EBSCO Discovery Service, Google Scholar, OCLC WorldCat Discovery Service
A. Kiran and K. Sikdar	Modelling and Analysis of Queueing System: A Heuristic Approach in an Agricultural Development Bank	International Journal of Mathematics Trends and Technology (IJMTT)	Volume 67 Issue 7, July 2021, pg no. 48-55, ISSN: 2231 – 5373 /doi:10.14445/22315373/IJMTT-V67I7P506	Google Scholar, Citeseer, Cross ref
B. V. Pushpa, Y. Do and M Sankar	Control of buoyant flow and heat dissipation in a porous annulus chamber using a thin baffle	Indian Journal of Physics	May 2021. DOI: 10.1007/s12648-021-02120-2.	Scopus
S. Shivaprasada Nayaka, T. K. Sreelakshmi and Santhoshkumar	Arithmetic properties of singular overpartition pairs without multiples of k	Arab Journal of Mathematical Sciences	1st July, 2021 DOI: 10.1108/AJMS-01-2021-0013	Scopus
M. S. Annapoorna, R. Murali and G. Manjunath	Tadpole Graphs and Their Laceability	IJIEMR	Vol 10 Issue04, Apr 2021, DOI: DOI: 10.48047/IJIEMR/V10/I04/31	Google Scholar

M. S. Muneshwara, R. Anand, T. Shivakumara, M. S. Swetha, A. S. Chethan	Advanced Wireless Techniques to Avoid Accidents on Roads through Wearing Smart Helmet	Proceedings of IEEE 5th International Conference on Intelligent Computing and Control Systems (ICICCS - 2021)	Pg 258-264, 2021	Scopus
Chethan A S, Muneshwara M. S	Geo-tagging of plantation through limited internet connectivity	International Journal of Aquatic Science	Vol. 12 (2) 2021, pp 5067-5076	Web of Science

Conference/Book Chapters: 2021

V. Rema and K. Sikdar	Time Series Modelling and Forecasting of Patient Arrivals at an Emergency Department of a Select Hospital	Recent Trends in Signal and Image Processing, ISSIP 2020. Advances in Intelligent Systems and Computing, edited by Bhattacharyya S., Mršić L., Brkljačić M., Varghese Kureethara J., Koeppen M. (eds),	**Springer, Singapore**. April 2021, pg. no. 53-65, Vol. 1333. **DOI: 10.1007/978-981-33-6966-5_6**	Scopus
V. Rema and K. Sikdar	Modelling and Analysis of Patient Flow at Inpatient Department of a Select Hospital	International Conference on Computational Sciences-Modelling, Computing and Soft Computing (CSMCS 2020)	AIP Proceedings, March 26, 2021, Vol. 2336, 020012-1: 020012-14 (2021); DOI: 10.1063/5.0045850	Scopus

Rema V and K. Sikdar	Modelling the Case Fatality Ratio of COVID-19	2nd International Conference on Big Data Analytics and Practices (IBDAP), IEEE Xplore, 2021	pp. 76-83, Impact Factor 9.237, ISBN- 978-1-4799-8046-8 (Print), 10.1109/IBDAP52511.2021.9552168	Scopus

Papers: 2020

K. Sikdar	Modelling and analysis of a discrete-time GI^X/Geom/1/K queue with N threshold policy	International Journal of Mathematics in Operational Research	2020, Vol 17 (3), pg. no. 301-317, ISSN- 1757-5869 (Online), 1757-5850 (Print).**DOI:** 10.1504/IJMOR.2020.10024979	Scopus
A. Kiran, K. Sikdar, D. C. Hanumanthappa and T. M. Mallesh	Drip Irrigation Modelling To Fruit And Vegetable Crops Using Queueing Theory	International Journal of Science, Technology, Engineering and Management (IJSTEM)	Vol 2, Issue 4, December 2020, pg no. 25-35, ISSN: 2582-5844 (Online)	Google Scholar
R. B. Basavaraj, D. N. H. Navami, M. Deepthi, Venkataravanappa, R Lokesh, K H Sudheer Kumar, T K Sreelakshmi	Novel orange-red emitting pr3+ doped Ce02 nano powders for white light emitting diode applications	Inorganic Chemistry Communications	Volume 120, October 2020, 108164, **https://doi.org/10.1016/j.inoche.2020.108164**	Scopus
T K Sreelakshmi , Annamma Abhraham, A S Chethan , M.Krishna Murthy, C.S K Raju	Nonlinear Thermal Buoyancy on ferromagnetic Liquid Stream over a radiated elastic surface with Non fourier heat flux	CMES	DOI:10.32604/cmes.2020.013077	Scopus
B V Pushpa, M Sankar, Oluwole D. Makinde	Optimization of thermosolutal convection in vertical porous annulus with a circular baffle	Thermal Science and Engineering Progress	2020. **DOI: 10.1016/j.tsep.2020.100735**	Scopus
H.T.Rathod, K.V.Vijayakumar, Bharath Rathod	New Approach to Automatic Mesh Generation Over Polygonal Domains Using All Quadrilaterals of Quintic Order to Decic Order Finite Elements of Complete Lagrange Family		Volume 9 Issue 10 October 2020, Page No. 25253-25306	Google Scholar

Mrs. Swetha M S , Mr. Muneshwara M S , Dr. Chethan A. S , Mr. Shivakumara T , Dr. Anil G N	Intrusion prediction and detection using support vector machine (SVM) and artificial neural network (ANN)	European Journal of Molecular & Clinical Medicine	7(8) 2020, 5459-5466	Google Scholar
Asha H V, Shantharam Nayak, Annamma Abraham	A paper titled "Formalization of SOA Concepts with Mathematical Foundation	International Journal of Electrical & Computer Engineering (IJECE)	Vol 10, No 4, Aug 2020, pp: 3883-3888, ISSN: 2088-8708	Scopus
Kallur V Vijayakumar, A S Hariprasad	Curved domain discretization with boundary defined by polar equations	Journal of Physics: Conference Series 1473	2020	
M. S. Mahadeva Naika and S. Shivaprasada Nayaka	Congruences modulo large powers of 3 for 3^{ℓ}- regular cubic bipartition	Proceedings of the Jangjeon Mathematical Society	23 (3), 399-411, 2020	Scopus
M. S. Mahadeva Naika and S. Shivaprasada Nayaka	Arithmetic properties of 2-color overpartition pairs	Tbilisi Mathematical Journal	13(2), 67-85, 2020	Web of Science

Book Chapters: 2020

B V Pushpa, M Sankar, B M R Prasanna, Z Siri	Influence of thin baffle and magnetic field on buoyant convection in a vertical annulus	Advances in Fluid Dynamics	PP-105-119, Springer, (2020). DOI:10.1007/978-981-15-4308-1	Scopus

Papers: 2019

H. T. Rathod, Bharath Rathod, K. Sugantha Devi, K. V. Vijayakumar	A new approach to auto generation of finite element meshes over curved domains with boundary defined by polar equations	International Journal of Engineering and Computer Science	2019, Vol 8 (3), pg. no. 24502-24574, ISSN: 2319-7242. Publication date: March 2019. DOI: 10.18535/ijecs/v8i03.4297	
K. Sikdar	Analysing a finite buffer queue with finite number of vacation policy and correlated arrivals	International Journal of Operational Research	2019, Vol 34 (4), pg. no. 582-605, ISSN-1745-7653 (Online), 1745-7645 (Print). Publication date: 8th April 2019	Scopus
	Hexahedra discretisation of domains Presented a paper entitled “Hexahedral discretisation of domains” at 3rd National conference on VLSI, Communication and signal processing (NCVCS-19) at RajaRajeswari College of Engineering, Bengaluru on 14th May 2019	International Journal for innovative engineering and management research	ISSN 2456-5083, Volume 8, Issue 6, June 2019, Page No. 191-197	

Papers: 2018

L. S. Rani Titus, Annamma Abraham, Sreelakshmi T.K., Chethan A S	Ferromagnetic liquid flow due to inclined stretching of an elastic sheets	Lecture Notes in Engineering and Computer Science, World Congress on Engineering	Vol-1, Neswood Limited, International Association of Engineers, 4-6 July, 2018, pp 44 – 49, ISBN: 978-988-14047-9-4, ISSN: 2078-0958 (Print), ISSN:2078-0966 (Online)	Scopus

Book Chapters: 2018

A. Banerjee, K. Sikdar and G. K. Gupta	On finite buffer BMAP/G/1 queue with queue length dependent service	Operations Research and Optimization: FOTA 2016, Kolkata, India	November 24-26 edited by Samarjit Kar, Ujjwal Maulik, Xiang Li, Springer Nature Singapore Pte Ltd. April 2018, pg. no. 43-60. ISBN 978-981-10-7814-9. DOI: 10.1007/978-981-10-7814-9_4	Scopus

Papers: 2017

K. Sikdar and K . Anitha	Modelling and analysis of M/G(a,b)/1/K queue with a Variant of Multiple Vacation Policy	International Journal of Computer & Mathematical Sciences (IJCMS)	2017, Vol 6 (12), pg. no. 381-387, Impact Factor 2.58, ISSN: 2347 – 8527	Google Scholar
M.S. Annapoorna, R. Murali and B. Shanmukha	Laceability in the Modified Distance Graph of Grid Graphs	Journal of the International Mathematical Virtual Institute	Vol. 7 (2017), 17-35	Google Scholar
H.T. Rathod, K.V.Vijyakumar, A.S. Hariprasad, H.Y. Shrivalli	A Brief Review On The Application Of Polynomial Splines To Quadrature In One And Two Dimensions	International Journal Of Engineering And Computer Science	2017, Vol 6 (11), pg. no. 23107-23191	
Annamma Abraham, Sreelakshmi T.K., Dr. Chethan A S, Dr. Jojy Joseph Idicula	Effect of chemical reaction on convective instability in a ferromagnetic liquid	International Journal of Science, Engineering and Management (IJSEM)	2(4), April 2017, 31-37. DOI: 01.1617/vol4/iss4/pid47531	Google Scholar
A S Chethan, G. N. Sekhar, Annamma Abraham	Influence of thermal radiation on MHD boundary layer flow in a Newtonian liquid with temperature dependent properties over an exponential stretching sheet	International Journal of Science, Engineering and Management (IJSEM)	2(4), April 2017, 38-48	
K. Sikdar and K . Anitha	Modelling and analysis of Geom/GI/1/K queue with finite number of vacations	International Journal of Science, Engineering and Management (IJSEM)	2017, Vol 2 (6), pg. no. 123-128, Impact Factor 2.7, ISSN: 2456 -1304. Publication date: June 2017. DOI: 01.1617/vol4/iss6/pid13586	Google Scholar
Rema V, K. Sikdar, Dhanjit Medhi	Modelling of queueing system at sales checkout and analysis of consumer behaviour: An empirical study at a supermarket in Bengaluru	International Journal of Advanced Research	2017, Vol. 5 (6), pg. no. 311-324, Impact Factor 6.118, ISSN: 2320-5407. Publication date 2017/6/24.	Google Scholar

			DOI: 10.21474/IJAR01/4415	
M S Annapoorna, R Murali	Laceability properties in image graphs	Asian Journal of Mathematics and Computer Research	2395-4205 (P), ISSN: 2395-4213 (O)], 18(1), April-2017, pp.1 -10	Google Scholar