



You Choose, We Do It

St. JOSEPH'S COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. Joseph's Group of Institutions

Jeppiaar Educational Trust

OMR, Chennai - 119.



List of Journal Publications and Conference Paper Publications

2022-2023

Department	Journal		Conference		Total No. of Publication
	International	National	International	National	
MATHEMATICS & ENGLISH	25	-	-	-	25
SCIENCE	06	-	-	-	06

DEPARTMENT OF MATHEMATICS & ENGLISH

International Journals

S.No	Author(s) Name	Title of Paper	Name of the Journal	Vol. No	Month Year	PP-xxx-xxx	DOI
1	Sankar Chakaravarthy, Kalaivani Chandran, Saravanan Mariappan and Sujatha Ramalingam	Edge integrity for signed fuzzy graphs	Journal of Intelligent & Fuzzy Systems	43	August 2022	4681- 4690	https://doi.org/10.3233/JIFS-220314
2	Agilan Pasupathi Julietraja Konsalraj Nahid Fatima Vallinayagam Velusamy Nabil Mlaiki and Nizar Souayah	Direct and Fixed-Point Stability–Instability of Additive Functional Equation in Banach and Quasi-Beta Normed Spaces	Symmetry	14	August 2022	1-28	https://doi.org/10.3390/sym14081700
3	Dr. U. Venkateswara, Abinaya K, Dr. Vijayakumar S, Ms. Sasirekha P	Neurolinguistic Approach to Fostering Writing Skills: An Intervention Research	NeuroQuantology	20	June 2022	8261- 8272	https://doi.org/10.14704/nq.2022.20.6.NQ22819
4	Abinaya K, Dr. Venkateswara ,Dr.S. Vijayakumar	A Psycholinguistic Approach To Second Language Acquisition: An Intervention Research	NeuroQuantology	20	July 2022	9067- 9078	https://doi.org/10.14704/nq.2022.20.6.NQ22889
5	U. Venkateswara, Dr. Abinaya K, Dr. Vijayakumar	Impact of Resilience Theory on Student Learning Outcomes in an ESL classroom: An Intervention Study	NeuroQuantology	6	July 2022	8273- 8284	https://doi.org/10.14704/nq.2022.20.6.NQ22820
6	Dr. Abinaya K ,U. Venkateswara, Dr.S. Vijayakumar	Communication Skills enhancement through Neuro-Linguistic	NeuroQuantology	20	July 2022	9060- 9066	https://doi.org/10.14704/nq.2022.20.6.NQ22888

		Programming: A Study					
7	Ghousia Begum, N. Jose Parvin Praveena, A. Rajkumar	Travelling Salesman problem through fuzzy numbers using dynamic Programming	AIP Publishing	2529	September 2022	020017 1- 200179	https://doi.org/10.1063/5.0103798
8	Weidong Zhao, V. Rexma Sherine, T. G. Gerly, G. Britto Antony Xavier, K. Julietraja and P. Chellamani	Symmetric Difference Operator in Quantum Calculus	Symmetry	14	June 2022	1-24	https://doi.org/10.3390/sym14071317
9	K. Julietraja, Ammar Alsinai, and Abdu Alameri	Theoretical Analysis of Superphenalene Using Different Kinds of VDB Indices	Journal of Chemistry	2022	September 2022	1-10	https://doi.org/10.1155/2022/5683644
10	S. R. Anantha Lakshmi, S. Shyamala and K. Suresh	Performance analysis of fuzzy retrial queue with triangular fuzzy numbers	Advances In Computational Mathematics(AIP Conference Proceedings)	2519	October 2022	020001 1- 200018	https://doi.org/10.1063/5.0109760
11	Eddith Sarah Varghese, D. Antony xavier, Ammar Alsinai, Deepa Mathew, S. Arul Amirtha Raja, Hanan Ahmed	Strong Total Monophonic Problems in Product Graphs, Networks and It's Computational Complexity	Journal of Mathematics	2022	September 2022	1-7	https://doi.org/10.1155/2022/6194734
12	N Jose Parvin Praveena S. Ghousia Begum, A. Rajkumar , D. Nagarajan, Broumi Said	Nonagonal Neutrosophic Number and its Application in Optimization Techniqu	International Journal of Neutrosophic Science (IJNS)	19	November 2022	66-79	https://doi.org/10.54216/IJNS.190206
13	P. Selvakumar, Su. Natmatha, V. O. Sangeetha, Sudhakhar K. S., J. Priyanka	Novel Therapeutic Activity and its Chemical Constituents of Alocasia Species: A Review	YMER	21	October 2022	634- 642	http://ymerdigital.com/uploads/YMER211082.pdf

14	P. Agilan , K. Julietraja, Nabil Mlaiki , Aiman Mukheimer	Intuitionistic Fuzzy Stability of an Euler–Lagrange Symmetry Additive Functional Equation via Direct and Fixed Point Technique (FPT)	Symmetry	14	November 2022	1-14	https://doi.org/10.3390/sym14112454
15	V. Rexma Sherine P. Chellamani, Rashad Ismail, N. Avinash, G. Britto Antony Xavier	Current research and future potential of block chain search engines for iot networks	Neuroquantology	20	October 2022	120-150	https://www.neuroquantology.com/data-cms/articles/20221006053714p_mNQ77013.pdf
16	D. Antony Xavier, S. Akhila, Ammar Alsinai, K. Julietraja, Hanan Ahmed, Arul Amirtha Raja, Eddith Sarah Varghese	Estimating the Spread of Generalized Compartmental Model of Monkeypox Virus Using a Fuzzy Fractional Laplace Transform Method	Symmetry	14	December 2022	1-20	https://doi.org/10.3390/sym14122545
17	Gayathri, G Purushothaman, Siddhaarth Dhongde, Manju S D, Aboli Pradeep Nipdadkar,	Distance-Based Structure Characterization of PAMAM-Related Dendrimers Nanoparticle	Journal of Nanomaterials	2022	December 2022	1-16	https://doi.org/10.1155/2022/2911196
18	G. Meena Devi, V. Neelambary	Bibliographic Analysis To Understand The Field Of Artificial Intelligence And Machine Learning In Finance By Establishing Its Core Ideas, Major Topics, And Related Studies	Neuro Quantology	20	December 2022	1-27	http://neuroquantology.com/data-cms/articles/202212220080230p_mNQ10000.pdf
19	T. Kalyani K. Sasikala	Computer-Aided Diagnosis of White Blood Cell	2022 4th International Conference on Inventive Research in	000	December 2022	1064-1068	https://doi.org/10.1109/ICIRCA

	D. G. Thomas K. Bhuvaneshwari	Leukemia using VGG16 Convolution Neural Network	Computing Applications (ICIRCA)				54612.2022.998 5611
20	S. Ghouseia Begum 1 * N. Jose Parvin Praveena 2 A. Rajkumar 3 D. Nagarajan 4 Broumi Said 5	Adjunct Partial Array Token Petri Net Structure	Lecture notes in computer science	1334 8	January 2023	189- 203	https://doi.org/1 0.1007/978-3- 031-23612-9_12
21	V. Rexma Sherine, T. G. Gerly, P. Chellamani, Esmail Hassan Abdullatif Al-Sabri, Rashad Ismail, G. Britto Antony Xavier, N. Avinash	Analyses the least cost using Travelling Salesman problem through Neutrosophic Fuzzy system	International Journal of Neutrosophic Science	20	January 2023	68-76	https://doi.org/1 0.54216/IJNS.2 00106
22	P. Chellamani, K. Julietraja, Ammar Alsinai, Hanan Ahmed	A Method for Performing the Symmetric Anti- Difference Equations in Quantum Fractional Calculus	Symmetry	14	December 2022	2604- 2631	https://doi.org/1 0.3390/sym1412 2604
23	Jun Yang , Julietraja Konsalraj , and Arul Amirtha Raja S.	A Fuzzy Fractional Order Approach to SIDARTHE Epidemic Model for COVID-19	Complexity	2022	December 2022	1-23	https://doi.org/1 0.1155/2022/54 68696
24	Gunasekar Tharmalingam, Kathavarayan Ponnusamy, Murugan Govindhan, Julietraja Konsalraj	Neighbourhood Sum Degree-Based Indices and Entropy Measures for Certain Family of Graphene Molecules	Molecules	28	December 2022	1-32	https://doi.org/1 0.3390/molecule s28010168
25	P. Agilan , Mohammed M. A. Almazah , K. Julietraja and Ammar Alsinai	On Certain Degree Based and Bond Additive Molecular Descriptors of Hexabenzocorene	Biointerface Research in Applied Chemistry	13	January 2023	1-14	https://doi.org/1 0.33263/BRIAC 135.495

DEPARTMENT OF SCIENCE

1. International Journals:

S. No	Author(s) Name	Title of Paper	Name of the Journal	Vol. No	Month Year	pp. xxx-xxx	DOI
1	P.Magesan K.I.Dhanalekshmi J.Prabha M.J.Umapathy XiangZhang N.Punitha K.Kadambary K.Sangeetha	Photodynamic and antibacterial studies of template-assisted Fe ₂ O ₃ -TiO ₂ nanocomposites	Photodiagnosis and Photodynamic Therapy		Aug.2022		10.1016/j.pdpdt.2022.103064
2	P Dhatshanamurthi, B Subash, K Jayamoorthy, R Sasikala, P Vijaya, M Shanthi	An efficient nanostructured zirconium modified TiO ₂ for detoxification of azo dye	Inorganic and Nano-Metal Chemistry		Jun.2022		10.1080/24701556.2022.2081197
3	B Subash, R Sasikala, K Jayamoorthy, P Magesan	Heterojunction of Bentonite Clay supported Bi ₂ O ₃ /ZnO composite for the detoxification of azo dyes under UV-A light illumination	Chemical Physics Impact		Jan.2023		10.1016/j.chphi.2022.100152
4	K Jayamoorthy, NR Rajagopalan, SM Prakash, B Subash, G Murugan, KI Dhanalekshmi, S Suresh, R Sasikala, K Saravanan, M Venkatesh Perumal	Catalytic synthesis and characterization of aryl benzimidazole and its interaction with TiO ₂ nanoparticles: ESIPT process	Chemical Physics Impact		Jan.2023		10.1016/j.chphi.2023.100184

5	S Mohan, P Navamani, KI Dhanalekshmi, K Jayamoorthy, N Srinivasan	NMR spectral, DFT and antibacterial studies of triazole derivatives	Inorganic and Nano-Metal Chemistry		Jan.2023		10.1080/2470155 6.2023.2166069
6	Gauri Kalnoor, B Senthil Kumar, I Yasar Shariff, S Kiruba	A Systematic Survey On The Cloud Of Things For Smart Agriculture	Annals of Forest Research		Dec.2022	3724- 3736	ISSN: 18448135, 20652445