



**ST. JOSEPH'S COLLEGE OF ENGINEERING,
CHENNAI -119**

DEPARTMENT OF SCIENCE & HUMANITIES



List of Journal Publications and Conference Paper Publications

2020 - 2021

Department	Journal		Conference		Total No. of Publication
	International	National	International	National	
MATHEMATICS & ENGLISH	22	-	-	-	22
SCIENCE	5	-	4	-	9

DEPARTMENT OF MATHEMATICS & ENGLISH

INTERATIONAL JOURNALS

S. No	Author Name	Title of the paper	Journal	Month/year	ISSN	DOI No.
1	Dr. G. Meena Devi	Fuzzy C -Means Clustering Based Neural Network Classification	International Journal of Advanced Science and Technology (IJAST) Vol. 29 No 7s Page 5593-5602	June 2020	2005 - 4238	
2	Dr.P.Agilan	Stability And Instability Of Additive Functional Equation In Banach And Quasi B-Normed Spaces	Solid State Technology, Volume 63, Issue 6, Page 22996-23025	June 2020		
3	Dr.P.Agilan	Stability Of Generalized Additive Functional Equation In Intuitionistic Fuzzy Normed Spaces"	Solid State Technology, Volume 63, Issue 6, Page 22971-22995.	June 2020		
4	Dr. K. Sasikala	3D-Array Token Petri Nets Generating Tetrahedral Picture Languages	Lecture Notes in Computer Science 12148 , Page :88 -105.	July 2020	0302-9743	
5	Dr. G.Purushothaman	Oscillation Criteria For Second Order Nonlinear Forced Impulsive Differential Equations With Damping Term Under Variable Delay	Advances in Mathematics: Scientific Journal,Volume 9,Issue 7,Page: 4893-4905.	July 2020		
6	C.Sankar	Topsis By Using Plithogenic Set In Covid-19 Decision Making	American Scientific Publishing Group ,Volume 10,Issue 2,Page: 116-125,	August 2020		
7	B.Shoba	Bi-magic labeling of graphs related to wheel and cycle	Advances in Mathematics: Scientific Journal,Volume 9,Issue 10,Page: 7879-7887,	October 2020		
8	B.Shoba	Bi- magic of graphs merging from path and star	Advances in Mathematics: Scientific Journal,Volume 9,Issue 10,Page: 7889-7898,	October 2020		
9	Dr.G Purushothaman	Interval Oscillation Criteria For Second Order Nonlinear Forced Impulsive Differential Equations With Damping Term Under Variable Delay	Journal of Mathematical and Computational Science,Volume 10,Issue 6,Page: 2451-2466,	October 2020		

10	Dr.N.Jose Parvin Praveena	Shortest path using dynamic programming through fuzzy numbers	AIP publications,Volume 2261,Issue 1,Page: 030114-1-030114-9.	October 2020		
11	Dr.N.Jose Parvin Praveena	Fault tree analysis of single cylinder vertical diesel engine through Intuitionistic Tetra decagonal fuzzy numbers	AIP Publications,Volume 2261,Issue 1,Page: 030115-1-030115-9.	October 2020		
12	Dr.N.Jose Parvin Praveena	Certain aspect of fuzzy differential equations in electric circuit problems	AIP Publications,Volume 2261,Issue 1,Page: 030117-1-030117-9.	October 2020		
13	Dr.N.Jose Parvin Praveena	Estimation Of Shortest Path Using Dynamic Programming Through Neutrosophic Environment	Advances in Mathematics: Scientific Journal,Volume 9,Issue 10,Page: 7803-7809.	October 2020		
14	Dr.N.Jose Parvin Praveena	Critical path problem Through Intuitionistic Triskaidecagonal Fuzzy Number using two different algorithms	Advances in Intelligent Systems and Computing,Volume 1133,Issue 0,Page: 159-168.	October 2020		
15	Dr.Sweety I Diamond	Partial array-rewriting P systems and basic puzzle partial array grammars	AIP Conference Proceedings,Volume 2277,Issue 1,Page: 030003-1-030003-1.	November 2020		
16	Dr.P.Agilan	Stability Analysis In Banach Spaces For A General Additive Functional Equation	Advances in Mathematics: Scientific Journal,Volume 9,Issue 11,Page: 9179-9186.	November 2020		
17	Dr.H.Geetha	Shuffle on Trajectories over Partial Array Language	AIP Conference Proceedings ,Volume 2277,Issue 1,Page: 030001-1-030001-8.	November 2020		
18	Dr. V. Premalatha	Multi-Objective Optimization with Fuzzy Logic Analysis of Confined Flow Characteristics on Circular Cylinder	Journal of The Institution of Engineers (India): Series C,Volume 2020, Page: 1-14.	November 2020		
19	Dr. H.Geetha	Impact of Shuffle on Trajectories on Certain Classes of Partial Array languages	European Union digital Library, Volume 1, Issue 1, Page:374-377	January 2021		
20	Dr.U.Venkateswara	A Survey of the Speaking Components of an ESP Course	MEXTESOL JOURNAL Volume 45, Issue 1,Page:1-19.	February 2021		
21	Dr. V. Premalatha	Neural network and multi-objective optimization of confined flow characteristics on circular cylinder in standing double vortex region	Neural Computing and Applications, Volume 33, Issue 4, Page: 1379-1398.	February 2021		

22	Dr.U.Venkateswara	MAN'S EXPLOITATION OF NATURE IN SELECT INDIAN NOVELS	Sambodhi, Volume 44,Issue1,Page:118-121.	March 2021		
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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	N.Manopradha, S. Gowria, S.Rama, K.Selvaraju, K.Kirubavathi, G.Vinitha	Spectroscopic and Third Order Nonlinear Optical Properties of Organic Single Crystal - 2-picolinictrichloroacetate – An Overview	Bulletin of Materials Science	43	Jun.2020	272	10.1007/s12034-020-02242-z
2	P. Nisha, S. Suresh, K. Jayamoorthy, K. I. Dhanalekshmi, C. Ravichandran	Synthesis, spectral, thermal studies and dielectric behavior of functionalized TiO ₂ -loaded diglycidyl epoxy nanocomposite film	Polymer Bulletin	78	2021	5255–5274	10.1007/s00289-020-03362-6
3	Mahalakshmi A, Baskar G	Greener synthesis and characterization of cadmium-tellurium quantum dots using aqueous extract of waste orange peel	Indian Journal of Biochemistry and Biophysics (IJBB)	58	Feb.2021	56-61	-
4	K. I. Dhanalekshmi, K. Sangeetha, P. Magesan, Jijo Johnson, X Zhang, K. Jayamoorthy	Photodynamic cancer therapy: role of Ag- and Au-based hybrid nanophotosensitizers	Journal of biomolecular structure and dynamics		Dec.2020		https://doi.org/10.1080/07391102.2020.1858965
5	S. Philip Raja, K. Jayamoorthy, K.I. Dhanalekshmi, S. Suresh	Mn ₃ O ₄ nanoparticles bearing 5-amino-2-mercapto benzimidazole moiety as antibacterial and antifungal agents	Journal of biomolecular structure and dynamics		Mar.2021		https://doi.org/10.1080/07391102.2021.1894237

2. National and International Conference:

Sl. No	Name of the Staff	Title of the Paper	Details of the Journal Title of the Journal, Volume, Pages, Year
1.	N.R. Rajagopalan, K. Jayamoorthy, P. Krishnamoorthy	Investigation of the anti-microbial properties of selenium doped tetrakis thiourea barium chloride semi-organic single crystal	International Virtual Conference on Organic Medicinal and Biological Chemistry (RAOMBC-2020), 8 th and 9 th July 2020, Division of Chemistry, VIT Chennai, Tamil Nadu, India.
2.	K. Jayamoorthy	Fluorescence enhancement and quenching of various phase titania by bioactive benzimidazole,	Virtual International Conference on global research trends in Biotechnology” (VICGRTB 2020), 15-18 July 2020, Department of Biotechnology, St. Joseph’s College of Engineering, OMR, Chennai, Tamil Nadu, India.
3.	N.R. Rajagopalan, K. Jayamoorthy, P. Krishnamoorthy	Investigation of the antimicrobial properties of stronium doped tetrakis thiourea barium chloride single crystal	Virtual International Conference on global research trends in Biotechnology” (VICGRTB 2020), 15-18 July 2020, Department of Biotechnology, St. Joseph’s College of Engineering, OMR, Chennai, Tamil Nadu, India.
4.	Sharmila J, Saravanan P, Chamundeeswari M,	Biosorption of microelements by spirulina platensis cultivated water towards technology of green chemistry approach for photo degradation of organic dyes	Virtual International Conference on global research trends in Biotechnology” (VICGRTB 2020), 15-18 July 2020, Department of Biotechnology, St. Joseph’s College of Engineering, OMR, Chennai, Tamil Nadu, India.

