

FACULTY ACTIVITIES

Papers Published in Journals (2017)

S.No	Name of the Faculty Member	Title of the paper	Journal	Year
1	Dr.M.Maria Susai Manuel	Oscillation criteria for second order linear generalized difference equation	International journal of Pure and Applied Mathematics Vol. 114,No. 3 ,pp:639-646,(2017)	2017
2	Mr.Venkat Mohan Reddy	Oscillation criteria for second order linear generalized difference equation	International Journal of Pure and Applied Mathematics Vol. 114 No. 3 , pp:639-646, (2017)	2017
3	Ms S. Rajakumari	Skew chromatic index of certain classes of graphs	IOSR Journal of Mathematics Vol. 13, No. 3, Ver. 4, pp: 54-60,(2017)	2017
		Skew chromatic index of cycle related graphs	Global Journal of Pure and Applied Mathematics, Vol.13,No.9,pp:5317-5332,(2017)	2017
4	Dr.G.Ganapathy	Quartic functional equation involving sum of functions of consecutive variables is stable in Felbin's type cone normed spaces	Malaya.J.Mat.Vol.5,No. 1, pp: 29-40,(2017)	2017
5	Mr.Suresh.M	Nano sg-Interior and Nano sg-Closure in Nano Topological spaces	International journal of Mathematical Archive – Vol.8,No.4, pp.94-100,(2017)	2017

		Contra-Nanosg- Continuity in Nano Topological spaces	International journal on research innovations in engineering science and technology Vol 2, No.4, pp: 110-116,(2017)	2017
8	Dr.R.Priya	Theoretical Investigation of Optical and Mechanical Properties of sodium hydrogen succinate single crystals: a third order NLO material	Journal of Mechanics, Materials Science and Engineering, April 2017, Vol. 128, No.1, pp: 29–37, (2017)	2017
10	Ms.V.Subha	Ultrasonic Studies of the molecular Interaction parameters of HCl in aqueous ethanolic mixtures	Journal of Chemical, Biological and physical Sciences, Section A Vol.7 No.3, pp:650-663,(2017)	2017
11	Mr.S.Ramesh	The effect of Organo clay on Thermal and mechanical behaviors of thermoplastic polyurethane nanocomposites	Digest Journal of Nanomaterials and Biostructures ,Vol 12, No. 2, pp: 331-338(2017)	2017
14	Ms.K.Rosylin Diana	Review of Optimistic Data Computation approaches on big Data in Cloud Environment	International Journal for science and advance Research in Technology, Vol.3, No. 4.pp:1062- 1067, (2017)	2017

Papers Published in Journals (2016)

S. No	Name of the Faculty	Name of the paper	Journal	Year of Publication
1	Dr. M.Maria Susai Manuel	Finite and Infinite Multi series Type Solutions of Generalized Mixed Difference Equation	International Journal of Pure and Applied Mathematics.Vol.7,No. 3, pp:55-563 ,(2016)	2016
		Oscillatory and non oscillatory behavior of solutions of generalized mixed difference equations	International Journal of Pure and Applied Mathematics Vol .6,No.2,pp: 639-647 ,(2016)	2016
		Theory of discrete Fourier series generated by generalized difference operator	International Journal of Pure and Applied Mathematics Vol. 07,No.3, pp:52-61,(2016)	2016
		Non-Existence of solutions of certain type of second order generalized Alpha difference equation in l_2 and c_0 spaces	South East Asian Bulletin of Mathematics.Vol.40,No.3, pp:329-340, (2016)	2016
2	Mr.S Saravanan	k-strong k-weak domination in graphs and semigraphs	Nonlinear Studies, Vol.23,No. 4, pp:579-584, (2016)	2016
3	Ms S. Rajakumari	Skew Chromatic Index of Petersen Graphs	International Journal for Pure and Applied Mathematics. Vol.109, No.5, pp:93-100, (2016)	2016

4	Dr.V.Choudri	Production Inventory model for deteriorating items with Two rates of Production cost and taking account of the time value of money.	Journal of Industrial and Management Optimization, Vol.12, No.3,pp:1153-1172,(2016)	2016
		Purchasing Inventory Model for Deteriorative items with Time Value of Money in Third order Equation.	International Journal of Applied Engineering Research, Vol. 11, No.1, pp:84-87,(2016)	2016
		Production inventory model for non-deteriorative items with taking account of the time value of money third order Equation.	Global Journal for Pure and Applied Mathematics, Vol.12,No.2 , pp:247-252 (2016)	2016
5	Dr.G.Ganapathy	Leibniz type AQ-functional equation in Non-Archimedean fuzzy normed spaces	International Journal of Mathematics and its Applications Vol. 4, No. 2-c, pp: 149-169,(2016)	2016
6	Dr.R.Priya	Growth, optical, thermal, dielectric and mechanical studies of sodium hydrogen succinate single crystal: A third order NLO material	J Therm Anal Calorim, pp 1- 9 (201(Springer)DOI 10.1007/s10973-016-5819-6 (2016)	2016
		Growth, optical, thermal, mechanical and dielectric studies of sodium succinate	Optics and Laser Technology, Vol. 85 ,pp:66-74(2016)	2016

		hexahydrate (β phase) single crystal: A promising third order NLO material		
7	Ms. Eunice Jerusha	Spectral, optical and dielectric analyses on L-lysine p- nitrophenolate monohydrate organic crystals	Optik, Vol 127, No. 6, pp: 420-427, (2016)	2016
		Investigations on the growth and characterisation of an isomorphous ammonium tetroxalate dihydrate superacid crystal	Optik, Vol. 127, No.9, pp: 3896- 3904, (2016)	2016
8	Ms.V.Subha	Effect of Solvent Composition on the Molecular Interaction of HCl in 1, 4 Dioxane Mixture through Conductometry	Middle-East Journal of Scientific Research Vol.24, No.10, pp: 3362- 3366 ,(2016)	2016
9	Dr.T.A.Sundaravadivel	Effect of Boundary Layer Fence Location on HAWT Power Performance	Circuits and Systems , Vol. 7, pp:1177-1189,(2016)	2016
10	Dr.A.Thenmalar Bharathi	The chancing approach an innovative online English learning	Asian Journal of Research in Social Science and Humanities, Vol 6, No. 9, pp: 1822- 1825,(2016)	2016
11	Ms.I.Kirubha Raji	Identifying herbal leaves using shape context with ant colony and bipartite matching	Int. J. Telemedicine and Clinical Practices, Vol.1, No.3, pp:265-276, (2016)	2016

12	Mr.B.Meghanathan	Increasing Thermal Conductivity of a heat exchanger using Copper oxide Nano fluids & Ethylene Glycol	Int.Journal of Engineering and Applications Vol.6,No. 4,(Part-2), pp.01-06,(2016)	2016
		Comparison of Micro A16061-12% TiB ₂ with Nano A16061-12% TiB ₂	Composite Journal of Advances in Mechanical Engineering and Science,Vol.2,No.5,pp.18-22,(2016)	2016

Papers Published in Journals (2015)

S.No	Name of the Faculty	Name of the paper	Journal	Year of Publication
1	Dr.M.Maria Susai Manual	Infinite series obtained by backward alpha difference operator with real variable	ISOR Journal of Mathematics Vol11, No.5 pp:95-101,(2015)	2015
		Asymptotic and Oscillatory behavior of solutions of third order generalized mixed difference equations	International journal of pure and applied mathematics Vol. 105, No. 2, pp:201-211(2015)	2015
		Backward alpha difference operator with real variable and its finite series	International Journal of Mathematics, Trends and Technology Vol. 11, No. 5, pp:201-211(2015).	2015
2	Mr.S Saravanan	A Result on the Consecutive Adjacent Degree of a Semigraph	Global Journal of Pure and Applied Mathematics, Vol.11, No.3, pp:1283-1287, (2015)	2015
3	Ms S. Rajakumari	Skew Chromatic Index of Comb, Ladder and Mobius Ladder Graphs	International Journal of Pure and Applied Mathematics Vol.101 No. 6,(2015)	2015
4	Dr.V.Choudri	Production Inventory Model for Non-Deteriorative items with Linear Demand	Mathematical Sciences International Research Journal, Vol.4,No. 2,pp:131-135,(2015)	2015

5	Dr. G.Ganapathy	Stability of n- Dimensional Quartic Functional Equation In Generalized 2 Normed Spaces Using Two Different Methods	Malaya Journal of Matematics, S(1) pp:242-251(2015)	2015
		Perturbation of n- dimensional additive functional equation in banach spaces and banach algebra	Global Journal of Pure and Applied Mathematics Vol. 11, No. 2, pp: 655-669, (2015)	2015
6	Mr.M.Suresh	On $I\pi gp^*$ -closed sets in ideal topological spaces	International Journal of Mathematics And its Applications Vol3, No.1, pp:109- 117,(2015)	2015
		Further decompositions of *- continuity	Journal of new theory, No. 4, pp: 30-38,(2015)	2015
		Π -Generalized closed sets with respect to an ideal	International journal of Current research in Science and Technology Vol.1, No.5, pp:53-58,(2015)	2015
7	Dr.R.Ranjani	Third order non linear optical properties of ammonium bromide single crystals by Z- scan technique	International Journal of Chem. Tech Research Vol. 8, No. 3, pp: 1212-1217, (2015)	2015
		Growth, characterization and measurement of third order non- linear optical	Archives of Applied Science Research, Vol7, No.7, pp:75-82, (2015)	2015

		properties of ammonium oxalate single crystals using Z- scan technique		
		Z- scan technique- measurement of third order non-linear optical properties of ammonium penta borate single crystals	Non linear Optics and Quantum Optics, Vol. 47, pp: 275-285,(2015)	
8	Ms.K.Amudha	Growth, characterization and measurement of third order non-linear optical properties of ammonium oxalate single crystals using Z- scan technique	Archives of Applied Science Research, Vol7,No.7,pp:75-82, (2015)	2015
9	Dr.S.Rekha	Corrosion inhibition and adsorption behavior of thiourea and 3-mercato propionic acid on mild steel in methane sulphonic medium	Journal of chemical and pharmaceutical sciences special issue 8, pp. 27-30,(2015)	2015
		Investigation and inhibition of aluminum corrosion in methane sulphonic acid solution by organic	Journal of Chemical and Pharmaceutical Research, Vol.7,No.4, pp: 165-169,(2015)	2015

		compound		
		Conductometric and molecular interaction studies of NaCl in binary mixtures of ethanol and water	International Journal of Multidisciplinary Educational Research Vol.4, No. 2, pp215-231: (2015)	2015
10	Ms.V.Subha	Conductometric and molecular interaction studies of NaCl in binary mixtures of ethanol and water	International Journal of Multidisciplinary Educational Research Vol.4, No. 2, pp215-231: (2015)	2015
11	Mr.Ramesh. S	Morphology and mechanical properties of EVA/UA nanocomposites	International Journal of Applied Engineering Research Vol.10, No. 91, pp:59-62,(2015)	2015
12	Dr.A.Thenmalar Bharathi	Proficiency of knowledge of core subjects ensures career improvement-how?	Indian National Journal of English language teaching, literature, linguistics, education, psychology and allied researches Vol 3, No. 10, pp: 26-30,(2015)	2015
		Imitation learning: A group-breaking technique to enhance English pronunciation skills for slow bloomers	International Journal of English language, literature and translation studies Vol 2, No. 3, pp: 218-224,(2015)	2015
		The use of music and singing in the	Indian National Journal of English language teaching,	2015

		class room for enhance the listening skill of west Tirunelveli Engineering students-a survey	literature, linguistics, education, psychology and allied researches Vol 2, No.5, pp: 14-22,(2015)	
13	Dr.T.A.Sundaravadivel	Computational Study on the Influence of Passive Flow Control on Wind Turbine Blade Aerodynamic Characteristics	International Journal of Applied Engineering Research, Vol10, N0.33,pp:26629-26634,(2015)	2015
14	Mr.B.Meganathan	Analysing the composite structure of riveted, hybrid and bonded joints	Int.Journal of Engineering research and Applications Vol.5, Issue 3, (Part-2), March 2015, pp.01-09	2015
		Experimental Investigation of Heat transfer using twisted Aluminium Tape	Int.Journal of Engineering research and Applications Vol.5, No. 3, (Part-2), pp:01-09,(2015)	2015
		Experimental Investigation of Heat transfer using twisted Aluminum Tape	Journal of Chemical and Pharmaceutical Sciences Special Issue 7, 2015, pp:263-265,(2015)	2015

15	Ms.I.Kirubha Raji	An analysis of segmentation Techniques to identify herbal leaves from complex background.	Procedia Computer Science, Vol.48,pp:589-599,(2015)	2015
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Papers Published in Journals (2014)

1	Dr.M.Maria Susai Manual	Oscillation and non oscillation for the solution of certain type of generalized neutral α -difference equations	International Journal of Pure and Applied Mathematics, Vol. 106 No. 2, pp: 639-647, (2014)	2014
		Asymptotic properties of solutions of higher order nonlinear generalized α -difference equations	Far East Journal of Mathematical Sciences, Vol. 94, No. 2, pp:189-202, (2014)	2014
		Oscillation and non oscillation for the solution of certain type of generalized neutral α -difference equations	International Journal of Applied Mathematics Vol. 27, no. 2, 2014, pp. 137-145,(2014)	2014
		Asymptotic and Oscillatory behavior of certain nonlinear generalized α -difference equations	International journal of pure and applied mathematics Vol. 92, No. 4, pp: 549-563,(2014)	2014
		Oscillation of solutions of some generalized nonlinear α -difference equations	Advances in Difference equations2014,2014:109doi:10.1186/1687-1847-2014-109,(2014)	2014

		Global properties of solutions of fourth order generalized generalized α -difference equations	International Journal of Pure and Applied Mathematics Vol. 96, No. 1, pp:117-134,(2014)	2014
2	Mr.S.Saravanan	About end vertex adjacency matrix and end vertex incidence matrix of semigraphs	Journal of Modern Science Vol. 6,No.2,pp:41-46,(2014)	2014
		Bounce on the edge domination number in semigraphs	International Conference on Mathematical Sciences,ISBN-978-93-5107-261-4,(2014)	2014
		Adjacency K-Domination Number of Certain semigraphs	Jamal Academic Research Journal, pp: 58-61,ISSN No:0973-0303,(2014)	2014
3	Ms.S.Rajakumari	Skew chromatic index of circular ladder graphs	Annals of Pure and Applied Mathematics, Vol.8, No.2, pp: 1-7, (2014)	2014
4	Dr.G.Ganapathy	Solution and stability of n-dimensional cubic functional equation in Felbin's type spaces: direct and fixed point methods	International Conference of Mathematical Sciences ISBN: 978-93-5107-261-4,pp:81-88,(2014)	2014
5	Dr.R.Priya	Crystalline perfection and Mechanical properties of lithium sulphate monohydrate NLO	Int. J. ChemTech Research, Vol.6, No.3, pp: 1563-1566, (2014)	2014

		single crystal		
		Optical, dielectric and ferroelectric behaviour on doped lithium sulphate crystals	Optik 125 (2014) 2289–2294(2014)	2014
6	Ms.K.Amudha	Third order Non-Linear optical properties of Ammonium adipate Single Crystals by Z-Scan Technique	Archives of Physics Research, Vol.5,No.6, pp:54-60,(2014)	2014
		Third order Non-Linear optical properties of Ammonium adipate Single Crystals by Z-Scan Technique	Archives of Physics Research, Vol. 5,No.6,pp:54-60,(2014)	2014
7	Dr.R.Ranjani	Crystalline perfection and Mechanical properties of lithium sulphate monohydrate NLO single crystal	Int. J. ChemTech Research, Vol.6, No.3, pp: 1563-1566, (2014)	2014
		Third order non linear optical properties of aluminum sulphate single crystals by Z-scan technique	International Journal of Chem. Tech Research Vol. 7, No. 6, pp: 2669-2674, (2014)	2014

8	Dr.K.S.Radha	Studies on sulfonated styrene acrylonitrile and cellulose acetate blend ultra filtration membranes	Desalination and Water Treatment, Vol. 52, pp: 459-469,(2014)	2014
9	Dr.S.Rekha	The effect of stabilizers on electroless copper plating from saccharose-containing methane sulphonate baths	Asian Journal of Science and Technology Vol. 5, No. 3, pp.276-280, (2014)	2014
		Studies on corrosion rate of aluminum in methane sulphonic acid	International of Advanced Chemical Science and Applications Vol. 2, No. 1, pp:59-62, (2014)	2014
		Electroless copper deposition using saccharose - containing methane sulphonate baths with thiourea as stabilizer	Chemical Science Transactions Vol. 3, No.3, pp:1214-1220, (2014)	2014
		Electroless copper deposition: an experimental and theoretical approach	International Journal of Chem. Tech Research Vol. 7, No. 5, pp:2280-2286,(2014)	2014
		A review of green corrosion inhibitors from plant extracts of various metal in	Advances in Materials and Corrosion 3, pp.17- 19(2014)	2014

		different medium		
		Formaldehyde free eco-friendly novel bath for electroless copper deposition	International Journal of Innovative research in Science and Engineering ISSN (online)2347-3207	2014
		Influence of imidazole and benzotriazole on electroless copper plating	Institute of materials, minerals and mining, Surface Engineering, Vol.30, No.8, pp:552-556,(2014)	2014
		Bath parameters affecting electroless copper deposition- a review	International Journal of Innovative Research and Studies Vol.3, No. 4, pp:167-181,(2014)	2014
10	Ms.V.Subha	Adiabatic Compressibility, free length and Acoustic Impedance of Sodium Benzoate in Ethanol water mixtures	International Journal of Advanced Chemical Science and Application , Vol.2. No. 4, pp: 38-42,(2014)	2014
		The Electrical Conductivity of HCl in Binary solvent mixtures- A Probe for its Molecular Interaction study	International Journal of Advanced Chemical Science and Application, Vol.2. No.1, pp: 38-40, (2014)	2014
		Conductometric studies on Sodium Acetate and Sodium Benzoate in	International Journal of Advanced Chemical Science and Application, Vol.2. No.4, pp:43-48, (2014)	2014

		Ethanol-water mixed solvent Media		
11	Dr.B.Thenmalar Bharathi	Communicative English in Engineering Colleges	Indian Streams Research Journal Volume.4,No.8,(2014)	2014
		Relevance of Self- Directed Learning-A Critical Study on Engineering Students in Engineering Colleges of Tamil Nadu.	National Journal of Golden Research Thoughts, Vol.4,No.5,pp:1-3(2014)	2014
		New perspectives on whether Western Feminism is Antifamily in precept and practice	National Journal of Golden Research Thoughts Vol.4,No.7, pp:1-2(2014)	2014

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1	Dr. M. Maria Susai Manuel	Oscillatory Behaviours of Solutions of Riccati's α -Difference Equation	J. of Mod. Meth. in Numer. Math, Vol.4, No. 1, pp:11 – 22, (2013)	2013
		Generalized α -Bernoulli's Polynomials Through Weighted <i>Pochhammer</i> Symbols	J. of Mod. Meth. In Numer. Math., Vol.4, No.1, pp: 23 – 29, (2013)	2013
		An application on the second – order generalized difference equations	Advances in difference Equations, 2013:35(2013)	2013
2	Dr.G.Ganapathy	Stability of mixed type additive quadratic functional equation in random normed space	International Journal of Applied Mathematics Vol.26, No. 2, pp:159-175,(2013)	2013

		Perturbation of n- Dimensional quadratic functional equation: a fixed point approach	International Journal of Advanced Research in Computer Research, Vol. 3, No.3, Issue- 11, pp:271-276,(2013)	2013
3	Dr.K.S.Radha	Destination and water treatment Taylor& Francis group doi:10.1080/19463994.2013.808486	Studies on sulfonated and cellulose acetate blend ultra filtration blend membrane	2013
4	Dr.S.Rekha	Metalization of iron powders by autocatalytic copper plating process	Materials and manufacturing processes,Vol.28No.8, pp. 905-909,(2013)	2013
5	Dr.G.Gayathiri Devi	Shoba De's Socialite Evenings: A yearning for sophisticated and fulfilled life	Quest the Journal of UGC- ASC Nainital,Vol.7, No.2, ,pp.169-173,(2013)	2013
		Shoba De's Urban Indian Women – A probe into Women's Psyche	Life Science Journal,Vol. 10,No.3,,pp.339-544,(2013)	2013

