



**Sri Ramakrishna Mission Vidyalaya College of Arts and Science
Coimbatore - 641 020**

(An Autonomous Institution affiliated to Bharathiar University and Re-accredited by NAAC with 'A' grade)

Internal Quality Assurance Cell

3.4. Research Publications and Awards

3.4.3. Research Paper Publications

List of Research papers published in the year 2019

Research Papers published in the year 2019

Title of paper	Name of the author/s	Department of the teacher	Name of journal
AATRUPPADAI ARAM	Dr. R. Gokul	Tamil	AYIDHA EZHUTHU
KAAVAL KOTTATHIL PANPAATTU VIZHUMIYANGAL	Dr. R. Gokul	Tamil	AYIDHA EZHUTHU
KAAVAL KOTTATHIL PENN DEIVANGAL	Dr. R. Gokul	Tamil	Shanlax International Journal of Tamil Studies
Azhakiyal Nokkil Silappathikkara Kathaimandhar	Dr. R. Abimanyu	Tamil	Ayidha Ezhuthu
SrivilliPuthur Vattrathil Nedungal Vazhipadum Vazhipattu Mattaramum	Dr. R. Moorthy	Tamil	IJTLLS
Virtual Learning: A Modern Platform for Language and Literature	Dr. L. Suresh	English	International Journal of English Language, Literature in Humanities
Concurrence in Vijay Tendulkar's Silence! The Court Is in the Session	A. Thiyagu	English	International Journal of English Language, Literature in Humanities
The Savagery of Neo-Liberalism as seen in Roberto Bolano's The Savage Detectives and 2666	U. Arun Bharath Dr. R. Chandrasekar N.Ravikumar	English	International Journal of Research and Analytical Reviews
Anita Desai: A Study of feminine sensitivity and Psychological Conflict	J.Jayanthi Dr. R. Chandrasekar	English	Language in India
The existence of Feminine Magnetism and Humanistic Hallucination of Conjugal Burst and Armistice in Shashi Deshpande's That Long Silence	J.Jayanthi Dr. R. Chandrasekar	English	International Journal of Research and Analytical Reviews
The Subsistence of Self- Realization and Deconstruction: Paradox Counterculture Movement in the Work of Hermann Hesse's Siddhartha	V. Ramesh Kumar Dr. R. Chandrasekar	English	Language in India
Non-Human Metaphors in J.M. Coetzee's Disgrace	K.Mahalingam Dr. R. Chandrasekar	English	Language in India

Lending Performance of Sathyamangalam Large Sized Multipurpose Cooperative Society with respect to Joint Liability Group Loan	Dr. C.Vellaichamy and S.Tamilvani	Cooperation	International journal of Science & Engineering Development Research
Problems and Prospects of Joint Liability Groups- with Special reference to Sathyamangalam Larger sized Multipurpose Cooperative Credit Society, Erode District	Dr. C.Vellaichamy and S.Tamilvani	Cooperation	Adalya Journal
Social and Economic Conditions of Joint Liability Group Clients - with Special Reference to Modakkurichi Block, Erode District, Tamilnadu	Dr. C.Vellaichamy and S.Tamilvani	Cooperation	International Journal of Research and Analytical Reviews
A Study on the Financial Performance of Anupperpalayam Metal Workers Cottage Industrial Cooperative Society Ltd., Tirupur Dist in Tamilnadu.	Dr.G.Thanikacchalam	Cooperation	Science ,Technology and Development Journal
‘Perception of Sugarcane Cultivators about Service Effectiveness of Cooperative Sugar Mills in Dharmapuri District -An Empirical Study	Dr.G.Thanikacchalam and K. Shakunthala	Cooperation	Think India Journal
Service Quality Offered By The Housing Finance Institutions With Reference to Coimbatore District In Tamil Nadu	Dr.S.Velanganni	Cooperation	Suraj Punj Journal For Multidisciplinary Research
A Study on Consumers Preferences towards Shopping Mall through Structural Equation Model (SEM) in Coimbatore District	Dr.S.Velanganni and Prof.P.Rajendhira n	Cooperation	Journal of Emerging Technologies and Innovative Research (JETIR)
Effectiveness of Linkage between Self Help Groups and Primary Agricultural Cooperative Societies in Coimbatore District	Dr.R.Mayilsamy and Dr.M.Revathibala	Cooperation	Journal of Emerging Technologies and Innovative Research (JETIR)
Working Performance of State Cooperative Banks In India With Special Reference To Southern Region-A Study	Dr.S.Maheshkannan	Cooperation	Zenith International Journal of Multidisciplinary Research
A Case Study on the Irula Snake Catcher’s Industrial Cooperative Society Ltd.,IND 969.Vadanemmeli-	Dr.S.Maheshkannan and Dr.R.Ravi	Cooperation	Zenith International Journal of Multidisciplinary Research
A Study on Implementing and Effectiveness of E-Banking System of Tamilnadu Industrial Cooperative Bank Ltd-	Dr.S.Maheshkannan and Dr.R.Ravi	Cooperation	DBJC Journal of Business Research Jain Spire
A Study on Employability Skills in Higher Education	Dr.S.Maheshkannan and Dr.A.Narmatha	Cooperation	International Journal of Research in Social Sciences

An Emperical study on Consumers satisfaction towards AAVIN milk products with reference to pollachi taluk in Coimbatore District	Dr.P.Karthikeya n	Cooperation	Intercontinental Journal of Marketing Research Review
Status of Narikuravar (A type of Gypsy Community) Women Entrepreneur in Coimbatore, Tamil Nadu	S. Chandru Dr. K. Thirumalaisamy	Social Work	Asian Review of Social Sciences
Causes for Women in Divorce – An Emprical Analysis	Dr. A.Jayaraman Sri. G. Vignesh	Social Work	Journal of Computational Information Systems
A study on Mental Health of Institutionalised Children in Home Setting in Coimbatore	Sri. A. Rajkumar Dr. C. Elanchelivan	Social Work	Journal of Computational Information System
On Analytical and Numerical Approaches to solve the Differential Equation Model of HIV infection for CD4+ T-cells.	1. S. Vinoth 2. T. Jayakumar 3. G. Gomathi 4. D. Prasantha Bharathi	Dr. T. Jayakumar Mathematics	International Journal of Research and Analytical Reviews
Numerical Solution of Fuzzy Pure Multiple Neutral delay differential equations.	1. D. Prasantha Bharathi 2. T. Jayakumar 3. S. Vinoth	Dr. T. Jayakumar Mathematics	International Journal of Research in Advanced Scientific Research and Management
Stability analysis of a Mathematical model for the dynamics of HIV infection with cure rate.	1. D. Prasantha Bharathi 2. T. Jayakumar 3. S. Vinoth	Dr. T. Jayakumar Mathematics	International Journal of Applied Engineering Research
Numerical Solution of Fuzzy Mixed delay differential equations via Runge-kutta method of order four.	1. D. Prasantha Bharathi 2. T. Jayakumar 3. S. Vinoth	Dr. T. Jayakumar Mathematics	International Journal of Applied Engineering Research
Numerical solution of fuzzy neutral delay differential equations.	1. D. Prasantha Bharathi 2. T. Jayakumar 3. S. Vinoth	Dr. T. Jayakumar Mathematics	Journal of Emerging Technologies and Innovative Research
Numerical Solution for Hybrid Fuzzy Differential Equation by Fifth order Runge-Kutta Nystrom method	1. Muthukumar Thangamuthu 2. Jayakumar Thippan	Dr. T. Jayakumar Mathematics	Journal of Mathematical Sciences and Modelling
Analytical Approach to solve the SIR model to solve Dengue fever disease using Laplace Adomian Decomposition Method	1. T. Jayakumar 2. D. Maheshkumar	Dr. T. Jayakumar Mathematics	Journal of Applied Science and

			Computations sciences
Existence of Fractional Impulsive Function Integro-Differential Equations in Banach Spaces	1.Dimplekumar Chalisehajar 2.Chokkalingam Ravichandran 3.Shanmugam Dhanalakshmi 4.Rangasamy Murugasau	Dr. R. Murugesu Mathematics	Applied system innovation
Approximate controllability of second-order neutral stochastic non-autonomous integrodifferential inclusions by resolvent operators	1. R.Nirmalakumar 2. R. Murugesu	Dr. R. Murugesu Mathematics	Dynamical Systems and Differential Equations
Approximate Controllability Results for Second Order Neutral Impulsive Stochastic Evolution Equations of Sobolev Type with Unbounded Delay	1. R.Nirmalakumar 2. R. Murugesu	Dr. R. Murugesu Mathematics	Journal of Applied Nonlinear Dynamics
Results on Approximate Controllability of Second - Order Non - autonomous Integrodifferential inclusions via resolvent operators	1. M.Tamilselvan 2. R. Murugesu	Dr. R. Murugesu Mathematics	Journal of Discontinuity, Nonlinearity and Complexity
Dynamics of Modified Leslie-Gower Harvested Predator-Prey Model with Beddington-DeAngelis Functional Response	1. R.Sivasamy 2. M. Sivakumar 3. K. Sathiyathan 4. K. Balachandran	Dr.K. Sathiyathan Mathematics	Journal of Discontinuity, Nonlinearity and Complexity
Controllability Criteria for Nonlinear higher order fractional delay dynamical systems with Impulses	1. M. Sivabalan 2. K. Sathiyathan	Dr.K. Sathiyathan Mathematics	Journal of Discontinuity, Nonlinearity and Complexity
Dynamical behaviours of a Lotka Volterra model with Katugampola fractional derivative	1.L.Vignesh 2. K.Kanagarajan 3.D.Vivek	Dr.K.Kanagarajan Mathematics	Journal of Discontinuity, Nonlinearity and Complexity
On the study of dynamic analysis of thermistor problem involving ψ -Hilfer fractional derivative	1. S.Harikrishnan 2.. K.Kanagarajan 3. S. Sivasundaram	Dr.K.Kanagarajan Mathematics	Mathematics in Engineering, Science and Aerospace
Multi-order fractional operator in a time-differential formal with balance function	1. S.Harikrishnan 2. Rabha W. Ibrahim 3.. K.Kanagarajan	Dr.K.Kanagarajan Mathematics	Journal of the Korean Mathematical Society

A study on Langevin equations with ψ -Hilfer fractional derivative	1. S.Harikrishnan 2.. K.Kanagarajan 3. D. Vivek	Dr.K.Kanagarajan Mathematics	Journal of Discontinuity, Nonlinearity and Complexity
Theory and analysis of partial differential equations with a caputo fractional derivative	1. D. Vivek 2. E.M. Elsayed 3. K.Kanagarajan	Dr.K.Kanagarajan Mathematics	Rocky Mountain Journal of Mathematics
Dynamics and stability results for impulsive type integro-differential equations with generalized fractional derivative	1. D. Vivek 2. E.M. Elsayed 3. K.Kanagarajan	Dr.K.Kanagarajan Mathematics	Mathematics in Natural Science
A Fundamemntal Approach on Non-integer Order Differential Equation using Nonlocal fractional Sub-Strips Boundary Conditions	1. M. Subramanian 2. A R Vidhya Kumar 3. T. Nandha Gopal	Dr. T. Nandha Gopal Mathematics	Journal of Discontinuity, Nonlinearity and Complexity
Existence results for fractional delay integro-differential equations with multi-point boundary conditions	1.P.Duraisamy 2.T. Nandha Gopal	Dr. T. Nandha Gopal Mathematics	Malaya Journal of Matematik
Solvability of Liouville - Caputo Fractional Intergro - Differential Equations with Non - Local Generalized Fractional Intergal Boundary Conditions	1. M. Subramanian 2. T. Nandha Gopal	Dr. T. Nandha Gopal Mathematics	Global Journal of Engineering Science and Researches
Analysis of fractional Boundary value problem with non-local integral strip boundary condtions	1. M. Subramanian 2. A R Vidhya Kumar 3. T. Nandha Gopal	Dr. T. Nandha Gopal Mathematics	Non Linear Studies
Influence of Coupled nonlocal Slit-Strip Conditions involving Caputo Derivative in fractional Boundary Value Problem	1. M. Subramanian 2. A R Vidhya Kumar 3. T. Nandha Gopal	Dr. T. Nandha Gopal Mathematics	Journal of Discontinuity, Nonlinearity and Complexity
Existence of solutions for Nonlocal boundary value problem of Hadamard Fractional Differential Equations	1. Subramanian Muthaiah 2. Manigandan Murugesan 3. Nandha Gopal Thangaraj	Dr. T. Nandha Gopal Mathematics	Advances in the Theory of Nonlinear Analysis and its Applications
Analytical Approach to solve the SIR Model of Dengue Fever Disease using Laplace Adomian Decomposition Method	1.T. Jayakumar 2. D Maheshkumar	Dr. T. Jayakumar Mathematics	Journal of Applied Science and Computations

Numerical Solution for Hybrid Fuzzy Differential Equation by Fifth Order Runge - Kutta Nystrom Method	1. Muthukumar Thangamuthu 2. Jayakumar Thippan	Dr. T. Jayakumar Mathematics	Journal of Mathematical Sciences and Modelling
Numerical Solution of Fuzzy Multiple Hybrid Single Retarded Delay Differential Equations	1.D. Prasantha Bharathi 2.T. Jayakumar 3. S. Vinoth	Dr. T. Jayakumar Mathematics	International Journal of Recent Technology and Engineering
Numerical Solutions Of Fuzzy Multiple Hybrid Single Neutral Delay Differential Equations	1.D. Prasantha Bharathi 2.T. Jayakumar 3. S. Vinoth	Dr. T. Jayakumar Mathematics	International Journal of Scientific & Technology Research
Fuzzy Type RK4 Solutions to Fuzzy hybrid Retarded Delay Differential Equations	1. Prasantha Bharathi Dhandapani 2. Dumitru Baleanu 3. Jayakumar Thippan 4. Vinoth Sivakumar	Dr. T. Jayakumar Mathematics	Frontiers in Physics
Influence of inclined Lorentz forces on entropy generation analysis for viscoelastic fluid over a stretching sheet with nonlinear thermal radiation and heat source/sink	1. A.K. Abdul Hakeem 2. M. Govindaraju 3.B.Ganga	Dr. A.K. Abdul Hakeem Mathematics	Journal of Heat and Mass Transfer Research
Effect of exponentially variable viscosity and permeability on Blasius flow of Carreau Nanofluid over a electromagnetic plate through a porous medium	1. A.K. Abdul Hakeem 2. M. K.Nayak 3.O.D. Makinde	Dr. A.K. Abdul Hakeem Mathematics	Journal of Applied and Computational Mechanics
Time Varying Chemically Reactive Magneto-Hydrodynamic Non-Linear Falkner-Skan Flow Over a Permeable Stretching/Shrinking Wedge: Buongiorno Model	1. M. K.Nayak 2. A.K. Abdul Hakeem 3.O.D. Makinde	Dr. A.K. Abdul Hakeem Mathematics	J. Nanofluids (ESCI, Scopus)
Second Order Slip Flow of Water Based Nanofluids Over a Stretching/Shrinking Sheet Embedded in a Porous Medium with Internal Heat Generation/Absorption and Thermal Jump Effects	1. Ganesh 2. N. Vishnu 3.Kameswaran 4.A.K. Abdul Hakeem 5.B. Ganga	Dr. A.K. Abdul Hakeem Mathematics	J. Nanofluids (ESCI, Scopus)
Effect of Exponentially Variable Viscosity and Permeability on Blasius Flow of Carreau Nano Fluid over an Electromagnetic Plate through a Porous Medium	1.. A.K. Abdul Hakeem 2. M. K.Nayak 3.O.D. Makinde	Dr. A.K. Abdul Hakeem Mathematics	Journal of Applied and Computational Mechanics
Influence of non-uniform heat source/sink and variable viscosity on mixed convection flow of third grade nanofluid over an inclined stretched Riga plate	1. M. K.Nayak 2. A.K. Abdul Hakeem 3. B. Ganga	Dr. A.K. Abdul Hakeem Mathematics	International Journal of Thermofluid

			Science and Technology
Heat Transfer of Hybrid-nanofluids Flow Past a Permeable Flat Surface with Different Volume Fractions	1. N. Indumathi 2. B. Ganga 3. R. Jayaprakash 4. A.K. Abdul Hakeem	Dr. A.K. Abdul Hakeem Mathematics	Journal of Applied and Computational Mechanics
Nanofluid slip flow through porous medium with elastic deformation and uniform heat source/sink effects	1. A.K. Abdul Hakeem 2. R. Kalaivanan 3. B.Ganga 4. N. Vishnu Ganesh	Dr. A.K. Abdul Hakeem Mathematics	Computational Thermal Sciences: An International Journal
Non-uniform heat source/sink effects on the three-dimensional flow of Fe ₃ O ₄ /Al ₂ O ₃ nanoparticles with different base fluids past a Riga plate	1. P. Ragupathi 2. A.K. Abdul Hakeem 3. Qasem M. Al-Mdallal 4. B. Ganga 5. S. Saranya a	Dr. A.K. Abdul Hakeem Mathematics	Case Studies in Thermal Engineering
Non-Darcian three-dimensional flow of Fe ₃ O ₄ /Al ₂ O ₃ nanoparticles with H ₂ O/NaC ₆ H ₉ O ₇ base fluids past a Riga plate embedded in a porous medium	1. P. Ragupathi 2. A.K. Abdul Hakeem 3. S. Saranya 4. B. Ganga	Dr. A.K. Abdul Hakeem Mathematics	The European Physical Journal Special Topics
Slip effects on Ohmic dissipative non-Newtonian fluid flow in the presence of aligned magnetic field	1. P. Renuka 2. B. Ganga 3. K. Kalivanan 4. A.K. Abdul Hakeem	Dr. A.K. Abdul Hakeem Mathematics	Journal of Applied and Computational Mechanics
Properties of Intuitionistic L Fuzzy Sub <i>l</i> - Groups	1. A. SenthilKumar 2. M. Akilesh 3. R. Muthuraj	Dr. M. Akilesh Mathematics	Advanced and Applications in Mathematical sciences
Effect of temperature on gas sensing properties of lithium (Li) substituted (NiFe ₂ O ₄) nickel ferrite thin film	V. Manikandan, Jae-Hun Kim Ali, Mirzaei Sang Sub Kim, S. Vignesvelan, Monika Singh, J. Chandrasekaran	Physics	Journal of Molecular Structure
Synthesis, characterization and gas sensing performance of V ₂ O ₅ nano-structure on PET substrate	R. Thangarasu, Elangovan Thangavel, J. Chandrasekaran, O. N. Balasundaram	Physics	Journal of Materials Science Materials in Electronics

Synthesis and characterization of Ruthenium-doped CdO nanoparticle and its n-RuCdO/p-Si junction diode application	K.Mohanraj, D.Balasubramanian, J.Chandrasekaran	Physics	Journal of Alloys and Compounds,
Role of Ruthenium in the Dielectric, Magnetic properties of Nickel Ferrite (Ru-NiFe ₂ O ₄) Nanoparticles and their applications in Hydrogen Sensors	V.Manikandan, AliMirzaei, Sivasubramaniam Vigneselvan, Srikanti Kavita, R.S.Mane, Sang Sub Kim, J.Chandrasekaran	Physics	American Chemical Society (ACS Omega),
Ultra-high photoresponse with superiorly sensitive metal – insulator – semiconductor (MIS) structured diodes for UV photodetector application	R.Marnadu, J.Chandrasekaran, S.Maruthamuthu. V.Balasubramani, P.Vivek, R.Suresh	Physics	Applied Surface Science
Rapid humidity sensing activities of lithium – substituted copper – ferrite (LiCuFe ₂ O ₄) thin films	V.Manikandan, S.Sikarwar, B.C.Yadav, S.Vigneselvan, R.S.Mane, J.Chandrasekaran, AliMirzaei	Physics	Materials Chemistry and Physics
Impact of Annealing Temperature on Spin Coated V ₂ O ₅ Thin films As Interfacial Layer in Cu/ V ₂ O ₅ /N-Si structured Schottky Barrier Diodes	V.Balasubramani, J.Chandrasekaran, R.Marnadu, P.Vivek, S.Maruthamuthu, S.Rajesh	Physics	Journal of Inorganic and Organometallic Polymers and Materials
The effect of Fe and Mn substitution on Structured and Electrical Properties of LaCoO ₃ nanoparticles	A.Sahana Fathima, P.Harshapriya, V.Lingeshkumar, V.Senthil Kumar, J.Chandrasekaran	Physics	International Journal of Engineering and Advanced Technology
Effect of Tin Element on Structural, Optical and Humidity sensing properties of Cerium Oxide nanoparticles	S.Vigneselvan, V.Manikandan, Iulian Petrilă, A.Vanitha, J.Chandrasekaran	Physics	Journal of Electronic Materials

Incorporation of Ba ²⁺ ions on the properties on MoO ₃ thin films and fabrication of positive photo response Cu/Ba-MoO ₃ /p-Si structured Diodes	P.Vivek, J.Chandrasekaran, R.Marnadu, S.Maruthamuthu, V.Balasubramani	Physics	Superlattices and Microstructures
Exploration of organic additives vanadium pentoxide (V ₂ O ₅) nanoparticles for Cu/nV ₂ O ₅ /p-Si Schottky diode applications	C.Arun Paul, B.Sharanya Shree, T.Preethi, J.Chandrasekaran, K.Mohanraj, K.Senthil	Physics	Journal of Materials Science: Materials in Electronics,
Structural and electrical properties of new core-shell silver poly(m-toluidine-co-2 bromoaniline) nanocomposites	A.Mahudeswaran, A.Jeeva, J.Chandrasekaran, P.S. Vijayanand	Physics	Materials Science – Poland
Room temperature LPG sensing properties of tin substituted copper ferrite (Sn-CuFe ₂ O ₄) thin film	V.Manikandan, MonikaSingh, B.C.Yadav, R.S.Mane, S.Vigneselvan, AliMirzaei, J.Chandrasekaran	Physics	Materials Chemistry and Physics
Ascendancy of Polianthes tuberosa, Nerium oleander, Hibiscus rosa sinensis and Dalia Flower Extracts on CdO nanoparticles morphology and their effectiveness in Photocatalytic and antimicrobial activities	Gopi Somasundaram, Jayaprakash Rajan	Physics	Journal of Inorganic and Organometallic Polymers and Materials,
Impact of Cu concentration on the properties of spray coated Cu-MoO ₃ thin films: evaluation of n-CuMoO ₃ /p-Si junction diodes by J-V, Norde and Cheung's methods	M. Balaji, J. Chandrasekaran, M. Raja and R. Marnadu	Physics	Materials Research Express,
Synthesis of Metal-Polymer-Semiconductor Diode Using Polyaniline by Chemical Oxidative Method and its Temperature Dependent Electrical Conductivity Behaviour	E. Shoba, N. Pasupathy, P. Thirunavukkarasu, J. Chandrasekaran, G. Parthasarathy	Physics	Asian Journal of Chemistry
Effect of copper substitution on structural, optical and humidity-sensing characteristics of cerium oxide nanoparticles,	S. Vigneselvan, V. Manikandan, I. Petrila, A. Vanitha and J. Chandrasekaran,	Physics	Journal of Physics and Chemistry of Solids
Phytochemicals and morphological influence of Aloe Barbadensis Miller Extract capped biosynthesis of CdO nanosticks	Gopi Somasundaram, Jayaprakash Rajan, P.	Physics	Journal of Inorganic and Organometallic

	Sangaiya, R.Dilip		Polymers and Materials,
Cyro-compatibility and dielectric properties of Sr ²⁺ substituted hydroxyapatite for triggered drug release	Lakshmanaperu mal Sundarabharathi , Mahendran Chinnaswamy, Hemalatha Parangusan, Deepalekshmi Ponnamma, Mariam Al Ali Al-Maadeed	Physics	Frontiers in Advanced Materials Research
Effect of dopant concentration on polyaniline/poly(4-styrene sulfonic acid) composite for ammonia gas detection	P Jayamurugan, R Mariappan, S Deivanayaki, V Ponnuswamy, P Maadeswaran, Murthy Chavali, Y V Subba Rao	Physics	Polymers and Polymer Composites
Growth, spectral, thermal, NLO studies and computational studies on novel NLO organic crystals of N-Nitroso-r-2, c-6-bis (4-methoxyphenyl)-t-3-ethyl-piperidin-4-one	V Mohanraj P. Sakthivel S. Ponnuswamy P. Muthuraja M. Dhandapani	Chemistry	Materials Today: Proceedings
High temperature PEMs developed from the blends of Polybenzimidazole and poly(azomethine-ether)	B. Sana R. Koyilapu S Dineshkumar T. Jana A.Muthusamy,	Chemistry	Journal of Polymer Research
Synthesis, characterization, electrochemical, electrical, thermal and ESIPT behaviour of oligobenzimidazoles of certain substituted benzimidazole carboxylic acids and their diode applications	S. Anand A. Muthusamy	Chemistry	Journalof Molecular Structure
Experimental and theoretical investigations of a proton transfer supramolecular adduct, aminoguanidinium p-nitrophenolate: p-nitrophenol	T. Shanmugavadiv u M. Dhandapani T. Joselin Beaula	Chemistry	Journal of Molecular Structure
Structural, Spectral, Physiochemical, Computational studies and pharmacological screening of a new organic salt: 2,6-Diaminopyridinium-2-nitrobenzoate	K. Singaravelan G. Raja, M. Dhandapani, A. Chandramohan P. Muthuraja M.V. Enoch	Chemistry	Journal of Molecular Structure

Crystal structure, spectral, thermal, optical, laser damage, NLO study and quantum chemical calculations of a noncentrosymmetric crystal N, N'-diphenylguanidinium p-toluenesulphonate	T. Shanmugavadivu M. Dhandapani	Chemistry	Journal of Molecular Structure
Molecular properties, crystal structure, Hirshfeld surface analysis and computational calculations of a new third order NLO organic crystal, 2-aminopyridinium benzilate	S. Madhankumar P. Muthuraja M. Dhandapani	Chemistry	Journal of Molecular Structure
Bioactivity of a radical scavenger bis(pyrazolium p-toluenesulphonate) on ctDNA and certain microbes: a combined experimental and theoretical analysis	S. Balachandar M. Sethuram P. Muthuraja M. Dhandapani	Chemistry	Toxicology Research
Biological action of molecular adduct pyrazole:trichloroacetic acid on Candida albicans and ctDNA - A combined experimental, Fukui functions calculation and molecular docking analysis	S. Balachandar M. Dhandapani	Chemistry	Journal of Molecular Structure
Synthesis, structural, photoluminescence, thermal, mechanical, dielectric, nonlinear optical and laser damage threshold studies of 2,3-dimethylquinoxalium-4-chlorobenzene sulphonate	M. Rajkumar M. Dhanalakshmi M. Sekar A. Chandramohan V. Murugasean	Chemistry	Materials Letters
Adsorption and inhibitive properties of methanol extract of Leucas aspera leaves for the corrosion of mild steel in HCl medium	N. Kavitha S. Kathiravan S. Jyothi A. Murugeh J. Ravichandran	Chemistry	Journal of Bio- and Tribo-Corrosion
Supramolecular interactions in itaconic acid-2-amino-4,6-dimethylpyrimidine molecular adduct: Physicochemical characterization and quantum chemical calculations for the molecular adduct	P. Muthuraja V.S. Aparana T. Joselin Beaula V. Bena Jothy M. Dhandapani	Chemistry	Journal of Physics and Chemistry of Solids
Quantum chemical calculations, structural, spectral and nonlinear optical investigations of a novel crystal N, N'-diphenylguanidinium 3, 5-dichlorobenzoate	T. Shanmugavadivu G. Vinitha M. Dhandapani T. Joselin Beaul	Chemistry	Journal of Physics and Chemistry of Solids
Functional insights of a molecular complex pyrazolium 3,5-dinitrobenzoate:3,5-dinitrobenzoic acid on infectious agents and ctDNA - A comparative biological screening and complementary theoretical calculations	S. Balachandar M. Serthuram M. Dhandapani	Chemistry	Journal of Photochemistry and Photobiology B: Biology
Docking studies of cobalt(III)-terpyridyl complexes with DNA	V. Rajapandian S. Haseena, K. Palanisamy, R. Indumathy	Chemistry	International Journal of Chemical and

			Molecular Engineering
Quantum Chemical Approach for the Study of the Phytoconstituents of Araucaria heterophylla Gum (AHG) as Corrosion Inhibitor Using Density Functional Theory (DFT)	T. Sathiyapriya G. Rathika M. Dhandapani	Chemistry	Journal of Bio- and Tribo-Corrosion
Interaction of thiol and alkoxy radical with coinage metal nanoclusters	S. Haseena R.M. Kumar V. Rajapandiana V. Subramanian	Chemistry	Applied Surface Science
Synthesis, growth, structural characterization and biological investigation of hydrogen bonded organic molecular salt: N, N-diethylanilinium-5-sulphosalicylate	M. Rajkumar A Chandramohan	Chemistry	Journal of Molecular Structure
Benchmark study of the linear and nonlinear optical polarizabilities in proto-type NLO molecule of para-nitroaniline	S. Muhammad, R.A. Shehzad J. Iqbal A.G. Al-Sehemi M. Saravanabhavan M. Khalid	Chemistry	Journal of Theoretical and Computational Chemistry
Synthesis, growth, structural, thermal, third order nonlinear and computational studies of organic single crystal: 2-amino-4-picolinium-2-chloro-4-nitrobenzoate	K.S. Ramesh M. Sekar M. Rajkumar D. Edison M. Saravanabhavan S. Muhammad A.G. Al-Sehemi	Chemistry	Optical Materials
Structural characterization, computational and biological studies of a new third order NLO (1: 1) organic adduct: 2-Aminopyrimidine: 3-nitrophthalic acid	K. Singaravelan A. Chandramohan S. Madhankumar M.V. Enoch G. Vinitha	Chemistry	Journal of Molecular Structure
In depth analysis of anti corrosion behaviour of eco friendly gum exudate for mild steel in sulphuric acid medium	T. Sathiyapriya G. Rathika M. Dhandapani	Chemistry	Journal of Adhesion Science and Technology
Quantum chemical calculations, physico-chemical characterizations and crystal structural analysis of a new organic-hydrogen bond networked crystal, 2-aminothiazolium benzilate	S. Madhan Kumar P. Muthuraja M. Dhandapani	Chemistry	Journal of Molecular Structure
Novel halogenated pyrido[2,3-a]carbazoles with enhanced aromaticity as potent anticancer and antioxidant agents: rational design and microwave assisted synthesis	M. Sekar, M. Saravanabhavan V,N, Badavath S. Maji S. Muhammad	Chemistry	New Journal of Chemistry

A new pyrazolone Schiff base: synthesis, characterization and molecular docking and antioxidant studies	R. Uthayamalar N. Nivetha G. Ayyanan	Chemistry	Chemical Science and Engineering Research
Effective Role of Remote Sensing In Oil Spill Detection System	Dr.R.Thangavel, P. Jayachandral	Electronics	JASC: Journal of Applied Science and Computations
Characterization of Pure CuO and Sn Doped CuO Thin Films Via JNSP Technique For P-N Junction Diode Application	P. Venkateswari P. Thirunavukkarasu T. Sivakumar G. Sankar	Electronics	IOSR Journal of Engineering
Preparation and Characterization of Pure and Ce doped WO ₃ Thin Films for PN junction Diode Application	Dr.K.ShanmugaSundaram, Dr.K.Dhanakodi, Dr.P.Thirunavukkarasu, V. Kaliselvi	Electronics	Journal of Applied Science and Computations
Structural and optical properties of nebulizer spray coated Ga: ZnO nanocrystalline thin film	Dr.K.ShanmugaSundaram, Dr.K.Dhanakodi, Dr.P.Thirunavukkarasu, V. Kaliselvi, R. Mathammal	Electronics	Journal For Advanced Research in Applied Sciences,
Evolution of Amorphous – Si, CIGS and CdTe Solar Thin Films with a Comparative Market Analysis and Reliability Measures	Dr.P.Thirunavukkarasu, S. Karthikeyan	Electronics	International Journal of Scientific Research and Reviews
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