



**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 2017

Research Papers published in the year 2017

| Title of paper | Name of the author/s | Department of the teacher | Name of journal |
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| THAMIZH SINTHANAI MARABIL SAIVA SIDDHANTHAM | Dr. R. Gokul | Tamil | Thamizhaaivu Sangamam |
| English as Second Language: Pedagogy and challenges in the Present Indian Scenario | K.Nandhakumar & Dr.D. Aruna | English | An International Research Journal of Humanities, Engineering & Pharmaceutical Sciences |
| Application of Posrmodernist Theory to Religion with reference to Marquez's A Very Old Man with Enormous Wings | Athira T.P & Dr.R.Chandrasekar | English | International Journal of Trend in research and Development |
| Elements of Psychic Disorder in Stephen King's Novel Cujo | M. Selvam and Dr. R. Chandrasekar | English | International Journal of Trend in research and Development |
| Financial Performance of PACS in Karamadai Block, Coimbatore, Tamilnadu | Dr.G.Thanikacchalam | Cooperation | International Journal of analytical and Experimental Model Analysis (UGC Care Journal) |
| Study on Enivronmental Problems and its implications associate with the textile processing units and present status intirupur, Tamilnadu | Dr.P.Velusamy | Cooperation | International Journal of Business and Administration Research Reviwe |
| Problems and Challenges of Industrial Cooperatives with Special Reference To Metal Workers Cooperative In Tamilnadu | Dr.P.Velusamy | Cooperation | International Journal of Business and Administration Research Reviwe |
| General Profile and NPA Management of Tirupur Cooperative Urban Bnak Ltd | Dr.P.Karthikeyan and Dr.X.L.X Wilson | Cooperation | Intercontinental Journal of Finance Research Reivew |
| An analysis of financial performance efficiency of Erode Cooperative Urban Bnak Ltd | Dr.P.Karthikeyan and Dr.X.L.X Wilson | Cooperation | Intercontinental Journal of Finance Research Reivew |
| Financial performance of Urban Cooperative Banks in Coimbatore Region | Dr.P.Karthikeyan and Dr.X.L.X Wilson | Cooperation | Intercontinental Journal of Finance Research Reivew |
| Socio-economic factors influencing the gated Community Apartments in Coimbatore District, Tamil Nadu- An Empirical Analysis | Dr.S.Velanganni | Cooperation | International Journal of Management and Social Science Research Review (IJMSRR) |
| Consumers Preferences towards on tender coconut in CoimbatoreDistrict, Tamil Nadu :An Empirical Study | Dr.S.Velanganni and Dr. K. Alagirisamy | Cooperation | International Journal of Management and Social Science Research Review (IJMSRR) |
| Utilisation and Perception towards the services mix of the Agricultural Producers Cooperative Marketing Societies in Tamilnadu- A study | Dr.S.Velanganni | Cooperation | International Research Journal ofBusiness and Management |
| A quality of life of transgender (Aravanis) in Coimbatore | Dr. C.Elancheiyan | Social Work | International Journal of Management and Social |

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| | and Sri J.B Chandra Sekar | | Sciences Research Review, 1 (33), |
| Demographic characteristics and socio-economic status of Transgender (Aravanis) in Coimbatore, Tamilnadu | Dr. C.Elancheiyan and Sri J.B Chandra Sekar | Social Work | Indo Global Journal of Commerce and Economics, 4 (3) , |
| Public opinion towards corruption | Sri N.Sakthivel | Social Work | Research on Humanities and Social Sciences, 7 (17), |
| A Study on caring perception of informal caregivers of elders | Dr. A.Jayaraman | Social Work | Research on Humanities and Social Sciences, 7 (17), |
| Social work intervention for the prosperity of children | Dr. C.Elancheiyan and Sri J.B Chandra Sekar | Social Work | International Journal of Management and Social Sciences Research Review, 1 (33), |
| Perceived predictors of high risk sexual behavior among men in India | Dr. Prathiban. S and Dr. C.Elancheliyan | Social Work | International Journal of Management and Social Sciences Research Review, 1 (33), |
| Controllability for a class of second order functional evolution differential equations without uniqueness. | 1. V. Vijayakumar 2. R. Murugesu 3. M. Tamil Selvan | Dr. R. Murugesu Mathematic s | Journal of Mathematical Control and Information |
| Approximate Controllability of Stochastic functional differential inclusions of Sobolev type with unbounded delay in Hilbert space. | 1. R. Nirmal Kumar 2. R. Murugesu | Dr. R. Murugesu Mathematic s | Global Journal of Pure and Applied Mathematics |
| Controllability Results for fractional order neutral functional differential inclusions with infinite delay. | 1. Yong Zhou 2. V. Vijaykumar 3. C. Ravichandran 4. R. Murugesu | Dr. R. Murugesu Mathematic s | Fixed Point Theory |
| Pest Interaction on Sexual Reproductive system of forest seed dynamics | 1. J. Rajasingh 2. R. Murugesu | Dr. R. Murugesu Mathematic s | Communications in Mathematical Biology and Neuroscience |
| Approximate Controllability of Nonlinear Stochastic integrodifferential Third order Dispersion System | 1. R. Nirmal Kumar 2. R. Murugesu | Dr. R. Murugesu Mathematic s | Journal of Information and Mahematical Science |
| Exact Controllability results for a class of Abstract Non-local Cauchy problem with impulsive conditions. | 1. Poongodi Rathinasamy 2. Murugesu Rangasamy 3. Nirmalkumar Rajendran | Dr. R. Murugesu Mathematic s | Evolution Equation and Control Theory |
| Approximate Controllability results for impulsive neutral stochastic differential | 1. R. Nirmal Kumar 2. R. Murugesu | Dr. R. Murugesu | International journal of Mathematical Archive |

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| equations of sobolevtype with unbounded delayin helbert spaces. | | Mathematic s | |
| Delay-derivative dependent synchronization criteria for recurrent neural networks with time - varying delays and sampled - data control. | 1. C. Pradeep 2. R. Murugesu | Dr. R. Murugesu Mathematic s | International Journal of pure and Applied Mathematics |
| An event triggered synchronization of semi-markov jump neural networks with time-varying delays based on generalized free-weighting matrix approach. | 1. C. Pradeep 2. Yang Cao 3. R. Murugesu 4. R. Rakkiyappan | Dr. R. Murugesu Mathematic s | Mathematics and Computers in Simulation |
| Controllability results for nonlinear higher order fractional delay dynamical systems with distributed delays in control . | 1. M. Sivabalan 2. K. Sathiyathan | Dr. K. Sathiyathan an Mathematic s | Global Journal of Pure and Applied Mathematics |
| Nonlinear Implicit Caputo Fractional Differential Equations with Intergral Boundary Conditions in Banch Space | 1. Sathiyathan, K. 2. Krishnaveni, V. | Dr. K. Sathiyathan an Mathematic s | Global Journal of Pure and Applied Mathematics |
| Numerical solution of first order fully fuzzy differential equations by Runge-Kutta Fehlberg method under strongly generalized H-differentiability | 1.D. Vivek 2. K.Kanagarajan 3. S. Harikrishnan | Dr. K. Kanagarajan Mathematic s | Journal of Soft Computing and Applications |
| Approximate Controllability of Nonlinear Delay Evolution Integrodifferential System | 1. A. Yasotha 2. T. Nandha Gopal | Dr. T. Nandha Gopal Mathematic s | Journal of Fractional Calculus and Applications |
| Numerical solution of Fuzzy Fractional Differential Equations by Predictor – Corrector method. | 1.T. Jayakumar 2.T. Muthukumar 3.D. Geethamani | Dr. T. Jayakumar Mathematic s | International journal of Nonlinear Science |
| Hydromagnetic flow and radiative heat transfer of nanofluid past a vertical plate | 1. B. Ganga 2. S. Mohamed Yusuff Ansari 3. N. Vishnu Ganesh 4. A.K. Abdul Hakeem | Dr. A. K. Abdul Hakeem Mathematic s | Journal of Taibah University for Science |
| Comparative study on Newtonian/non-Newtonian base fluids with magnetic/non-magnetic nanoparticles over a flat plate with uniform heat flux. | 1. A.K. Abdul Hakeem 2. S. Saranya 3. B. Ganga | Dr. A. K. Abdul Hakeem Mathematic s | Journal of Molecular Liquids. |
| Second law Analysis on Radiative Slip Flow of Nanofluid over a Stretching Sheet | 1. M. Govindaraju | Dr. A. K. Abdul | Frontiers in Heat and Mass Transfer |

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| in the Presence of Lorentz Force and Heat Generation/Absorption | 2. B. Ganga 3. A.K. Abdul Hakeem | Hakeem Mathematics | |
| Double-diffusive mixed convection in a lid-driven cavity with non-uniform heating on sidewalls | 1. S. Sivasankaran 2. S.S. Ananthan 3. M. Bhuvanewari 4. A.K. Abdul Hakeem | Dr. A. K. Abdul Hakeem Mathematics | Sadhana |
| Nonlinear studies on the effect of non-uniform heat generation/absorption on hydromagnetic flow of nanofluid over a vertical plate | 1. A.K. Abdul Hakeem 2. B. Ganga 3. S. Mohamed Yusuff Ansari 4. N. Vishnu Ganesh 5. M.M. Rahman | Dr. A. K. Abdul Hakeem Mathematics | Nonlinear Analysis: Modelling and Control |
| Anti-Product of Multi Anti L-Fuzzy subgroup of a group. | 1. M. Akilesh 2. A. Senthil Kumar 3. R. Muthuraj | Dr. M. Akilesh Mathematics | International Journal of pure and Applied Mathematics |
| NiO nanoflakes: Effect of anions on the structural, optical, morphological and magnetic properties | R.Suresh, V.Ponnuswamy, C.Sankar, M.Manickam, S.Venkatesan, S.Perumal | Physics | Journal of Magnetism and Magnetic Materials |
| Structural, optical, electrical and electrochemical properties of Fe:Co ₃ O ₄ thin films for super-capacitor application | M.Manickam, V.Ponnuswamy, C.Sankar, R.Suresh, R.Mariappan, A.Chandra bose, J.Chandrasekaran | Physics | Journal of Materials Science: Materials in Electronics |
| Experimental and theoretical investigation on 2-amino 5-bromopyridinium L-tartrate-A new organic charge-transfer crystal for optoelectronics device applications | B.Babu, J.Chandrasekaran, R.Thirumurugan, V.Jayaramkrishnan, K.Anitha | Physics | Journal of Materials Science: Materials in Electronics |
| Investigation on optical, electrical and etching properties of 2-aminopyridinium 4-aminobenzoate- A phase matchable organic single crystal for opto-electronic device applications | L. Chandra, J. Chandrasekaran, K. Perumal, B. Babu, V. Jayaramkrishnan | Physics | Materials Science-Poland |

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| Sintering treatment effects on structural, dielectric and magnetic properties of Sn substituted NiFe ₂ O ₄ nanoparticles, | V. Manikandan, N. Priyadharsini, S. Kavita, J. Chandrasekaran, | Physics | Superlattices and Microstructures |
| 2-amino 4-methylpyridinium 3-chlorobenzoate- A phase matchable organic nonlinear optical material for optoelectronics device applications | B.Babu, J.Chandrasekaran, R.Thirumurugan, K.Anitha, M.Saravanabhavan | Physics | Optics and Laser Technology |
| Conductivity and dielectric analysis of Nanocolloidal polypyrrole particles functionalized with Higher weight percentage of poly(styrene sulfonate) using the dispersion polymerization method | S.Maruthamuthu, J.Chandrasekaran, D.Manoharan and R.Magesh | Physics | Journal of Polymer Engineering |
| The Structural, Optical and Electrical Properties of Spin Coated WO ₃ Thin Films Using Organic Acids | M.Raja, J.Chandrasekaran, M.Balaji | Physics | Silicon |
| Effect of sintering temperature on Structural and Dielectric properties of Sn substituted CuFe ₂ O ₄ Nanoparticles | V.Manikandan., A.Vanitha., E.Ranjith Kumar., J.Chandrasekaran | Physics | Journal of Magnetism and Magnetic Materials |
| Temperature and frequency dependent dielectric properties of electrically conducting oxidatively synthesized polyazomethines and their structural, optical, and thermal characterizations | Sengottuvelu Dineshkumar, Athian, Muthusamy, J.Chandrasekaran | Physics | Journal of Molecular Structure |
| Optimization and characterization of CuO thin films for P-N junction diode application by JNSP technique | P.Venkateswari. P.Thirunavukkarasu, M.Ramamurthy., M.Balaji., J.Chandrasekaran | Physics | Optik |
| Effect of In substitution on structural, dielectric and magnetic properties of CuFe ₂ O ₄ nanoparticles | V.Manikandan., A.Vanitha., E.Ranjith Kumar., J.Chandrasekaran | Physics | Journal of Magnetism and Magnetic Materials |
| Structural, Optical and Electrical Properties of Green Synthesis CdO Nanoparticles and Its Ag/CdO/P-Si | K.Mohanraj, D.Balasubramanian, N.Jhansi, R.Bakkiyaraj, | Physics | Journal of Thin Films Science and technology |

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| Junction Diode Fabricated Via JNS Pyrolysis Technique | J.Chandrasekaran, | | |
| Review on recent advances in titanium dye oxide nanoparticles for dye sensitized solar cell applications | C.Divya , B.Janarthanan and J.Chandrasekaran. | Physics | International Journal of Advanced Research |
| Influence of pH on particle size, band-gap and activation energy of CdS nanoparticles synthesized at constant frequency ultrasonic wave irradiation | V.Mohanraj., R.Jayaprakash., J.Chandrasekaran., R.Robert., P.Sangaiya | Physics | Materials Science in Semiconductor Processing |
| 2-Amino-6-methylpyridinium 4-nitrobenzoate: a phase matchable organic single crystal for optoelectronics device applications | B.Babu, J.Chandrasekaran, R.Thirumurugan, K.Anitha & M.Saravanabhan | Physics | Journal of Materials Science: Materials in Electronics |
| Characterization of WMoO ₃ Thin Films and its n-WMoO ₃ /p-Si Junction Diodes Via JNS Pyrolysis Technique | M.Balaji, J.Chandrasekaran, M.Raja | Physics | Zeitschrift fur Physikalische Chemie |
| Growth and Characterization of Jet Nebulizer Spray Deposited n- type WO ₃ thin Films for Junction Diode Application | K.Shanmugasundaram, P.Thirunavukarasu, M.Ramamurthy, M.Balaji, J.Chandrasekaran | Physics | Oriental Journal of Chemistry |
| Experimental and density functional theory (DFT): A dual approach to probe the key properties of creatininium L-tartrate monohydrate single crystal for nonlinear optical applications | R.Thirumurugan, B.Babu, K.Anitha, J.Chandrasekaran | Physics | Journal of Molecular Structure |
| Investigation of microstructural, optical and dc electrical properties of spin coated Al:WO ₃ thin films for n-Al:WO ₃ /p-Si heterojunction diodes | M.Raja., J.Chandrasekaran., M.Balaji., P.Kathirvel | Physics | Optik |
| Oxidative polycondensation of benzimidazole using NaOCl: Synthesis, characterization, optical, thermal and electrical properties of polybenzimidazoles | SiddeswaranAnand, AthiannaMuthusamy, SengottuveluDin eshkumar, J.Chandrasekaran | Physics | Journal of Molecular Structure |
| Structural, morphological, optical and electrical properties of nail- shaped CdO nanoparticles synthesized by chemical | K.Mohanraj, D.Balasubramanian, | Physics | Journal of Materials Science: Materials in Electronics |

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| route assisted microwave irradiation method for P–N junction diode application | J.Chandrasekaran, B.Babu | | |
| Structural and Theoretical Investigation of N'-[(E)-(4-Bromophenyl)(Phenyl)Methylidene]-4-Methylbenzenesulfonohydrazide Crystal Prepared by Slow Evaporation Method | V.Mohan, P.Maadeswaran, B.Babu, J.Chandrasekaran | Physics | Oriental Journal of Chemistry |
| Theoretical and experimental evaluation of a new organic proton transfer crystal aminoguanidinium p- nitrobenzene monohydrate for optical limiting applications | T.Shanmugavadivu, K.Senthilkumar, M.Dhandapani, P.Muthuraja, S.Balachandar, M.Sethu Raman | Physics | Journal of Physics and Chemistry of Solids |
| Performance Analysis of “V”- Type Solar Still with Tilt Wick and Effect of Wick Coverage | P.U.Suneesh, R.Jayaprakash, Sanjay Kumar, David Denkenberger | Physics | Cogent Engineering |
| Investigation of magnetic, dielectric and ethanol sensing properties of poly(o-phenylenediamine)/NiFe ₂ O ₄ nanocomposites | Nagarajan Kannapiran, Athianna Muthusamy, B.Renganathan, A.R.Ganesan & Rajan Jayaprakash | Physics | Journal of Materials Science Materials in Electronics |
| Effect of Barium on Morphological Transition and Magnetic and Dielectric Properties in Ferrite Nanoparticles | R.Dilip & R.Jayaprakash | Physics | Journal of Superconductivity and Novel Magnetism |
| Effectual Role of Abelmoschus esculentus (Okra) Extract on Morphology, Microbial and Photocatalytic Activities of CdO Tetrahedral Clogs | S.Gopi, R.Jayaprakash | Physics | Journal of Inorganic and Organometallic Polymers and Materials |
| Study of photocatalytic activity and inherent property of surfactant (PVA) on CdS nanoparticles by ultrasonic wave irradiation method | V.Mohanraj, R.Jayaprakash, P.Sangaiya, S.Gopi, R.Dilip, R.Suresh | Physics | International Journal of Hydrogen Energy |
| Synthesis, Structural, Magnetic and Electrical Characterization of Poly(o-phenylenediamine)/CoFe ₂ O ₄ Nanocomposites | Nagarajan Kannapiran, Athianna Muthusamy, Siddeswaran Anand & Rajan Jayaprakash | Physics | Journal of Superconductivity and Novel Magnetism |
| Structural, optical, dielectric, mechanical and Z-scan NLO studies of charge transfer complex crystal: 3-aminopyridinium-4-hydroxy benzoate | B.Mohanbabu, R.Bharathikannan, G.Siva | Physics | Journal of Materials Science Materials in Electronics |

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| Investigation on the growth, characterisation, third order nonlinear and biological behaviour of 3-aminopyridinium 2, 4-dinitrophenolate single crystal | B Mohanbabu, R Bharathikannan, G Siva | Physics | Appl.Phys.A |
| Biological and spectral studies of O-Tolyl Biguanide: Experimental and theoretical approach | T. Joselin Beaula P.Muthuraja M.Dhandapani I. Hubert Joe V.K.Rastogi V. BenaJothy | Chemistry | Journal of Molecular Structure |
| Temperature and frequency dependent dielectric properties of electrically conducting oxidatively synthesized polyazomethines and their structural, optical, and thermal characterizations | A. Muthusamy S. Dinesh Kumar J. Chandrasekaran | Chemistry | Journal of Molecular Structure |
| Poly (o-phenylenediamine)/NiCoFe ₂ O ₄ nanocomposites: synthesis, characterization, magnetic and dielectric properties | A. Muthusamy N. Kannapiran P. Chitra S Anand R Jayaprakash | Chemistry | Journal of Magnetism and Magnetic Materials |
| Synthesis, growth and characterization of o-phenylenediaminium benzilate: An SHG material with high laser damage threshold for NLO applications | A. Chandramohan M. Rajkumar | Chemistry | Optical Materials |
| Computational, spectral and structural studies of a new non linear optical crystal: 2-hydroxy pyridinium 3,5-dinitrobenzoate | M. Dhandapani K Sathya M. Dhamodharan | Chemistry | Journal of Molecular Structure |
| Synthesis, Spectroscopic Characterization and Biological Evaluation of 1-(4-Hydroxybenzamido)-Imine-1,2,3,4-Tetrahydrocarbazole Derivatives | M. Saravanabhavan A.F. Ebenazer V. Murugesan M. Sekar | Chemistry | Journal of Advanced Physics |
| Studies on synthesis, structural, luminescent and thermal properties of a new non-linear optical crystal: 4-amino-4H-1,2,4-triazol-1-ium-3-hydroxy-2,4,6-trinitrophenolate | M. Dhandapani K Sathya M. Dhamodharan | Chemistry | Physica B: Condensed Matter |
| Thermodynamic and Kinetic Models for Removal of Thorium from Aqueous Solution | P. Indhumathi S. Sathiyaraj U.S. Shoba P.S. Syed C. Jayabalakrishna n | Chemistry | Journal of Advanced Physics |
| Synthesis, characterization and in vitro biological assays of copper(II) and | G. Raja, C. Jayabalakrishna | Chemistry | Applied Organometallic Chemistry |

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| nickel(II) complexes with furan-2-carboxylic acid hydrazide | n M. Mohanraj G. Ayyannan | | |
| Synthesis, growth, characterisation and laser damage threshold studies of N,N-dimethylanilinium-3-carboxy-4-hydroxybenzenesulphonate crystal: An efficient SHG material for electro-optic applications | A. Chandramohan M. Rajkumar | Chemistry | Optical Materials |
| Synthesis, growth, structural, optical, thermal, electrical and mechanical properties of hydrogen bonded organic salt crystal: Triethylammonium-3, 5-dinitrosalicylate | A. Chandramohan M. Rajkumar | Chemistry | Journal of Molecular Structure |
| Biological evaluation of organometallic palladium(II) complexes containing 4-hydroxybenzoic acid (3-ethoxy-2-hydroxybenzylidene)hydrazide: Synthesis, structure, DNA/protein binding, antioxidant activity and cytotoxicity | G. Raja, C. Jayabalakrishna n M. Mohanraj G. Ayyannan N. Bhuvanesh R. Nandhakumar P Veerasamy M Velusamy | Chemistry | Applied Organometallic Chemistry |
| Systematic evaluation of a new organic material: 1-methyl-1H-imidazol-3-ium-2,4,6-trinitrobenzene-1,3-bis(olate) for optoelectronics through spectral, structural, electrical, optical, quantum chemical and Hirshfeld surface studies | M. Dhandapani K Sathya M. Dhamodharan | Chemistry | Journal of Physics and Chemistry of Solids |
| Biomolecular interaction and cytotoxicity of ruthenium (III) benzothiazole substituted ferrocenyl thiosemicarbazone complexes | K. Sampath C. Jayabalakrishna n | Chemistry | Arabian Journal of Chemistry |
| Hydrogen bonded $R_2^2(8)$ graph set in inducing charge transfer mechanism in guanidinium-3,5-dinitrobenzoate: A combined experimental, theoretical and Hirshfeld surface study | P.Muthuraja T.Joselin Beaula T.Shanmugavadivu V.Bena Jothy M.Dhandapani | Chemistry | Journal of Molecular Structure |
| Spectral, optical, thermal, Hirshfeld, antimicrobial studies and computational calculations of a new organic crystal, 1H-benzo[d]imidazol-3-ium-3,5-dinitrobenzoate | M. Dhandapani K Sathya M. Dhamodharan | Chemistry | Journal of Molecular Structure |
| Synthesis, spectral, structural and thermal characterization of NLO active crystal: 2-hydroxyethylammonium-4-nitrobenzoate | G. Vadivelan M. Saravanabhavan | Chemistry | Optik |

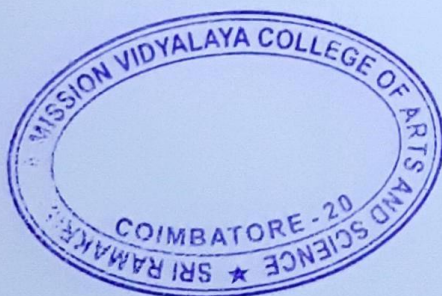
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| | V. Murugesan M. Sekar | | |
| DNA interaction and antioxidant studies of ruthenium(II) complexes containing mixed ligands | K. Sampath M. Mohanraj C. Jayabalakrishnan | Chemistry | Inorganic and Nano-Metal Chemistry |
| Synthesis, structural, thermal and mechanical properties of 1,10-phenanthroline-3-carboxy-4-hydroxy benzene sulphonate crystal: An efficient SHG material with a high laser damage threshold for NLO applications | A. Chandramohan M. Rajkumar | Chemistry | Materials Letters |
| Synthesis, spectroscopic investigations, antioxidants and DNA binding studies of a charge transfer of benzimidazole with methylbenzenesulfonic acid | G. Vadivelan M. Saravanabhavan V. Murugesan M. Sekar G. Gohulvani B. Babu | Chemistry | Molecular Crystals and Liquid Crystals |
| Hydrogen bonded charge transfer molecular salt (4-chloroanilinium-3-nitrophthalate) for photochemical and pharmacological applications | K. Singaravelan A. Chandramohan M. Saravanabhavan I.V. Muthu Vijayan Enoch V.S. Suganthi | Chemistry | Spectrochimica Acta Part A: Molecular and Biomolecular spectroscopy |
| Synthesis, structural and spectral characterization of a novel NLO crystal N,N'-diphenylguanidinium picrate: diacetone solvate | T. Shanmugavadivu M. Dhandapani S. Naveen N.K. Lokanath | Chemistry | Journal of Molecular Structure |
| Design, synthesis, characterization and biological investigation of <i>N</i> -acetyl-2,6-bis(4-methoxyphenyl)-3,5-dimethylpiperidin-4-ones | V. Mohanraj S. Ponnuswamy | Chemistry | Journal of Molecular Structure |
| Theoretical (DFT) and experimental studies on multiple hydrogen bonded liquid crystals comprising between aliphatic and aromatic acids | S. Sundaram R. Jayaprakasam M. Dhandapani T.S. Senthil V.N. Vijayakumar | Chemistry | Journal of Molecular Liquids |
| Synthesis, Structural, Thermal, Mechanical, SHG efficiency and Laser damage threshold studies of 4-dimethylaminopyridinium-3,5-dicarboxybenzoate single crystals | A. Chandramohan M. Rajkumar M. Saravanabhavan | Chemistry | Optical Materials |

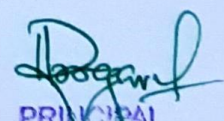
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| Structural Analysis, Molecular Docking and DFT Calculations of Bis(Pyrazolium Picrate) Monohydrate Interaction with Calf Thymus DNA and Microbes | S. Balachandar M. Dhandapani I.V. Muthu V. Enoch S. Suganthi | Chemistry | Chemistry Select |
| Hydrogen bonding interactions and supramolecular assemblies in 2-amino guanidinium 4-methyl benzene sulphonate crystal structure: Hirshfeld surfaces and computational calculations | P. Muthuraja T. Joselin Beaul S. Balachandar V. Bena Jothy M. Dhandapani | Chemistry | Journal of Molecular Structure |
| Physico-chemical characterization, density functional theory (DFT) studies and Hirshfeld surface analysis of a new organic optical material: 1H-benzo[d]imidazol-3-ium-2,4,6-trinitrobenzene-1,3 bis(olate) | M. Dhandapani K Sathya M. Dhamodharan | Chemistry | Journal of Molecular Structure |
| Electrical and magnetic properties of poly (m-phenylenediamine)/NiFe2O4 nanocomposites | A. Muthusamy M. Arunkumar N. Kannapiran S.S. Meena S.M. Yusuf | Chemistry | Journal of Materials Science: Materials in Electronics |
| Theoretical and experimental evaluation of a new organic proton transfer crystal aminoguanidinium p-nitrobenzoate monohydrate for optical limiting applications | T. Shanmugavadivu K. Senthilkumar M. Dhandapani P. Muthuraja S. Balachandar M. Sethu Raman | Chemistry | Journal of Physics and Chemistry of Solids |
| Corrosion inhibition of mildsteel in sulphuric acid by methanol extract of Luffa aegyptiaca leaves – electrochemical and statistical view | S. Jyothi J. Ravichandran | Chemistry | Journal of adhesion science and Technology |
| Oxidative polycondensation of benzimidazole using NaOCl: Synthesis, characterization, optical, thermal and electrical properties of polybenzimidazoles | S. Anand A. Muthusamy S. Dinesh Kumar J. Chandrasekaran | Chemistry | Journal of Molecular Structure |
| Optical, Thermal and electrical properties of Polybenzimidazoles Derived from Substituted benzimidazoles. | S. Anand A. Muthusamy | Chemistry | Journal of Molecular Structure |
| Synthesis, crystal structure, physicochemical properties of hydrogen bonded supramolecular assembly of N,N-diethylanilinium-3,5-dinitrosalicylate crystal | A. Chandramohan M. Rajkumar | Chemistry | Journal of Molecular Structure |
| Spectral, thermal, structural and quantum chemical calculations of 3,5-dimethyl-1H-pyrazol-2-ium-3-hydroxy-2,4,6- | M. Dhandapani K Sathya | Chemistry | Journal of Molecular Structure |

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| trinitrophenolate - A new organic proton transfer crystal | M. Dhamodharan | | |
| Sequestering divalent nickel ions from aqueous solution by using activated carbon of Citrus limetta peel: Isotherm and Kinetic studies | L. Vidhya M. Dhandapani K. Shanthi | Chemistry | Polish Journal of Environmental Studies |
| Synthesis, Spectral, Thermal and Quantum Mechanical Studies of 2-amino-4-picolinium 2-hydroxybenzoate crystal | G. Dinesh Kumar G. Amirthaganesan, P. Muthuraja M. Dhandapani | Chemistry | The Experiment Journal of Science and Technology |
| Mems Gas Sensor And Their New Applications – A Review | N.Nandakumar R.Thangavel K.Shanmugasundaram P.P.Sumi | Electronics | International Journal for Science and Advance Research in Technology |
| Real Time Fault Finding and Monitoring Of Medical Instrument Status and Broadcasting Using GSM Technique | N.Nandakumar R.Thangavel K.Shanmugasundaram | Electronics | International Journal for Research in Applied Science & Engineering Technology |
| Optimization and Characterization of CuO Thin films for P-N Junction diode application by JNSP technique | P. Venkateswari P. Thirunavukkarasu M. Ramamurthy M. Balaji J. Chandrasekaran | Electronics | Optik |
| Nano Sensors and Nano Devices Contribution in Medical Application | N.Nandakumar R.Thangavel K.Shanmugasundaram P.P.Sumi | Electronics | International Journal of Advanced Research Trends in Engineering and Technology |
| Collecting Smear for Papanicolaou Test to Detect Early Stage Cervical | N.Nandakumar R.Thangavel | Electronics | International Journal for Scientific Research & Development |

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| Cancer with Aid of Electronic Penis | K.Shanmugasundaram P.P.Sumi Karthikeyan Sundarsamy | | |
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