



**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 2016

**Research Papers published in the year 2016**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal</b>
Jewishness and Zionism in Philip Roth's The Counterlife	L.Suresh & Dr.R.Chandrasekar	English	LangLit
A Comparative Study on Public,Private and Cooperative Housing Finance Institution In Comibatore District,Tamilnadu	Dr.P.Velusamy	Cooperation	The Quarterly Journal of Indian Institute of Finance
Awareness of Social Security Legislation in Universal Radiators Limited Coimbatore	Dr. K.Nagaraju	Social Work	Indian journal Of Applied Research
Caring the Elders is an Emerging Field of Social Work Profession – An Indian Perspective	A.Jayaraman Dr. K.Nagaraju	Social Work	Internatinal Journal of Multidisciplinary Educational Research
Approximate Controllability Results for Fractional Semilinear Integro-Differential Inclusions in Hilbert Spaces	1. N. I. Mahmudov 2. R. Murugesu 3. C. Ravichandran 4. V. Vijayakumar	Mathematics	Results in Mathematics
Approximate Controllability of Second Order Evolution Differential Inclusions in Hilbert Spaces	1. N. I. Mahmudov 2. V. Vijayakumar 3. R. Murugesu	Mathematics	Mediterranean Journal of Mathematics
Controllability of Second-Order Impulsive Nonlocal Cauchy Problem Via Measure of Noncompactness	"1. V. Vijayakumar 2. R. Murugesu 3. R. Poongodi 4. S. Dhanalakshmi"	Mathematics	Mediterranean Journal of Mathematics
Existence Results for Impulsive Fractional Differential Equations with Intergal Boundary Conditions	1.V. Krishnaveni 2. K. Sathiyathan	Mathematics	International Journal of Mathematical Archive
Impulsive Integro Differential Equation with Antiperiodic Boundary Conditions on Time Scales	1.Krishnaveni. V 2.Sathiyathan. K 3. Arun Kumar. D	Mathematics	International Journal Of Control Theory And Applications
Runge-Kutta method for solving fuzzy differential equations under generalized differentiability	1. K. Kanagarajan 2. R. Suresh	Mathematics	Comp. Appl. Math (SBMAC)
Dynamics and stability results for hilfer fractional type thermistor problem	1. D. Vivek 2. K. Kanagarajan 3. S. Sivasundaram	Mathematics	Fractal and Fractional
Fifth order Runge-Kutta method for solving fully fuzzy differential equations under strongly generalized H-differentiability	1. D. Vivek 2. K. Kanagarajan	Mathematics	Journal of Nonlinear Analysis and Applications
Numerical investigations on Hybrid Fuzzy fractional differential equations by improved Fractional Euler method	1. D. Vivek 2. K. Kanagarajan 3. S. Harikrishnan	Mathematics	Journal of Fuzzy Set valued Analysis
Numerical solution of Fuzzy Delay Differential Equations by Fourth order Runge-Kutta Method	1. T. Jayakumar 2. A. Parivallal 3. D. Prasantha Bharathi	Mathematics	Advances in Fuzzy Sets and Systems

MHD flow of Boungiorno model nanofluid over a vertical plate with internal heat generation/absorption.	1. B. Ganga 2. S. Mohamed Yusuff Ansari 3. N.VishnuGanesh 4. A.K. AbdulHakeem	Mathematics	Propulsion and Power Research
Influences of an effective Prandtl number model on nano boundary layer flow of $c$ $Al_2O_3-H_2O$ and $\gamma Al_2O_3-C_2H_6O_2$ over a vertical stretching sheet.	1. M.M. Rashidi 2. N. Vishnu Ganesh 3. A.K. Abdul Hakeem 4. B. Ganga 5. Giulio Lorenzini	Mathematics	International Journal of Heat and Mass Transfer
Analytical and Numerical Studies on Hydromagnetic Flow of Boungiorno Model Nanofluid over a Vertical Plate.	1. B. Ganga 2.S.Mohammed Yusuff Ansari 3. N. Vishnu Ganesh A.K. Abdul Hakeem	Mathematics	Journal of Heat and Mass Transfer Research
Velocity slip effects on heat and mass fluxes of MHD viscous-Ohmic dissipative flow over a stretching sheet with thermal radiation	1. M. Kayalvizhi 2. R. Kalaivanan 3. N. Vishnu Ganesh 4. B. Ganga 5.A.K. Abdul Hakeem	Mathematics	Ain Shams Engineering Journal
Hydromagnetic axisymmetric slip flow along a vertical stretching cylinder with convective boundary condition.	1. N. Vishnu Ganesh 2. B. Ganga 3. A.K. Abdul Hakeem 4. S. Saranya 5.R. Kalaivanan	Mathematics	St.Peterburg University Journal: Physics and Mathematics
Influence of inclined Lorentz forces on boundary layer flow of Casson fluid over an impermeable stretching sheet with heat transfer.	1. A.K. Abdul Hakeem 2. P. Renuka 3.N. Vishnu Ganesh 4. R. Kalaivanan 5.B. Ganga	Mathematics	Journal of Magnetism and Magnetic Materials.
Analytical and Numerical studies on heat transfer of a nanofluid over a stretching/shrinking sheet with second-order slip flow model.	1. M.M. Rashidi 2. A.K. Abdul Hakeem 3. N. Vishnu Ganesh 4. B. Ganga 5. M. Sheikholeslami 6. E. Momoniat	Mathematics	International Journal of Mechanical and Materials Engineering
Second law analysis for radiative MHD slip flow of a nanofluid over a stretching sheet with non-uniform heat source effect.	1. A.K. Abdul Hakeem 2. M. Govindaraju 3. B. Ganga 4.M. Kayalvizhi	Mathematics	Scientia Iranica
Darcy - Forchheimer flow of hydromagenetic nanofluid over a stretching	1. N. Vishnu Ganesh 2. A. K. Abdul	Mathematics	Ain Shams Engineering Journal

/ shrinking sheet in a thermally stratified porous medium with second order slip, viscous and Ohmic dissipation effects	Hakeem 3. B. Ganga		
Influence of Co concentration on the structural, optical, morphological and photo-diode properties of cerium oxide thin films	R.Suresh, V.Ponnuswamy, C.Sankar, M.Manickam, R.Mariappan	Physics	Ceramics International
Role of substrate temperature on MoO <sub>3</sub> thin films by the JNS pyrolysis technique for P–N junction diode application	M. Balaji, J. Chandrasekaran, M. Raja,	Physics	Materials Science in Semiconductor Processing,
The Effect of Solution pH on the Properties of Cobalt Oxide Thin Films Prepared by Nebulizer Spray Pyrolysis Technique	R.Suresh, V.Ponnuswamy, C.Sankar, M.Manickam, R.Mariappan, J. Chandrasekaran	Physics	International Journal of Thin Films Science and Technology
Effect of CuBr <sub>2</sub> salt treatment on the performances of nanocolloidal PPy:PSS multilayer thin film counter electrodes of dye-sensitized solar cells	S. Maruthamuthu, J. Chandrasekaran, D. Manoharan, SN. Karthick and Hee-Je Kim,	Physics	Journal of Applied Polymer Science
Synthesis and characterization of CTAB-assisted WO <sub>3</sub> deposited on silicon for the fabrication of photoresponse p-n junction diode	R. Priya, M. Sethu Raman, N. Senthil Kumar, J. Chandrasekaran, R. Balan,	Physics	Optik
Third order nonlinear optical and electrical properties of new 2-aminopyridinium 2-chloro 4-nitrobenzoate single crystals	L. Chandra, J. Chandrasekaran, K. Perumal, B. Babu	Physics	Optik
Thermal, magnetic, dielectric and anti-microbial properties of solution-grown pure and doped sodium potassium tartrate crystals	V. Mathivanan, M. Haris, J. Chandrasekaran	Physics	Optik
IDC golf-ball structured thin films: Preparation, characterization and photodiode properties	Suresh R., Ponnuswamy V., Sankar C., Manickam M., Mariappan R.	Physics	RSC Advances
Synthesis, Crystal growth and characterization of new semi-organic nonlinear optical material – L – proline barium nitrate (LPBN)	Mohamed Kutty P., Chandrasekaran J., Babu B., Nizarul Hazeen A.	Physics	Optoelectronics and Advanced Materials – Rapid Communications
Structural and Electrical Properties of Li <sub>4</sub> Mn <sub>4.9</sub> Ni <sub>0.1</sub> O <sub>12</sub> as a Cathode Material for Rechargeable Li-ion Batteries	S.Sharmila , B.Janarthanan , J.Chandrasekaran	Physics	IOSR Journal of Applied Physics
Experimental Investigation of the structure, magnetic moment and decomposition process on heating in dipotassium tartrate	V.Mathivanan, M.Haris, J.Chandrasekaran	Physics	Optik – International Journal for Light and Electron Optics

crystals grown in chemical reaction gel method			
CuBr <sub>2</sub> – induced charge screening on photoactive nanocolloidal polypyrrole: poly(styrene sulfonate) composite multilayer thin-film counter electrodes for high – efficiency dye – sensitized Solar cells	S Maruthamuthu, J.Chandrasekaran, D.Manoharan, SN.Karthick, Hee-Je Kim, B.Saravanakumar	Physics	Polymer International
Synthesis, characterization, optical and electrical properties of nanostructured poly(aniline-co-o-bromoaniline) prepared by in-situ polymerization method	A.Mahudeswaran. J.Vivekanandan. A.Jeeva, J.Chandrasekaran, P.S.Vijayanand	Physics	Optik – International Journal for Light and Electron Optics
Multilayer Photoactive nanocolloidal PPy: PSS as a novel substitute for Pt free counter electrode in Dye-sensitized solar cells	S.Maruthamuthu, J.Chandrasekaran, D.Manoharan, S.N.Karthick, Hee-Je Kim	Physics	Journal of Applied Polymer Science
Transition of nanocrystalline In(OH) <sub>3</sub> as spherical Indium Oxide nanoparticles embedded platelets	S.KarthikKannan, P.Thirnavukkarasu, R.Jayaprakash, J.Chandrasekaran, V.Mohanraj	Physics	Materials Science in Semiconductor Processing
Growth and characterization of semi-organic urea mercury chloride (UMC) nonlinear optical crystal	Ilayabarathi P., Chandrasekaran J., Babu B.	Physics	Journal of Optoelectronics and Advanced Materials
Spectral, dielectric and optical properties of urea barium chloride nonlinear optical crystals	P.Ilayabarathi, J.Chandrasekaran, B.Babu	Physics	Optoelectronics and Advanced Materials – Rapid Communications
Influence of Solvent on the properties of CZTS Nanoparticles	A.G.Kannan, T.E.Manjulavalli, J.Chandrasekaran	Physics	Procedia Engineering
Impact of annealing treatment on structural and electrical properties of spin coated tungsten trioxide thin films for Si/WO <sub>3</sub> /Ag junction diode	M.Raja, J.Chandrasekaran, M.Balaji, B.Janarthan	Physics	Material Science in Semiconductor Processing
Evaluation of microstructural and electrical properties of WO <sub>3-x</sub> thin films for p-Si/n-WO <sub>3-x</sub> /Ag junction diodes	M.Raja, J.Chandrasekaran, M.Balaji	Physics	Optik – International Journal for Light and Electron Optics
Synthesis and characterization of Co-doped lithium manganese oxide as a cathode material for rechargeable Li-ion battery	S.Sharmila, B.Janarthan, J.Chandrasekaran	Physics	Ionics
Morphological and optical evolution of different organic acids used MoO <sub>3</sub> thin films by spin coating method	M.Balaji, J.Chandrasekaran, M.Raja	Physics	Optik – International Journal for Light and Electron Optics
Structural, optical and electrical properties of Ru doped MoO <sub>3</sub> thin films and its P-N	M.Balaji, J.Chandrasekaran, M.Raja, S.Rajesh	Physics	Journal of Material Science Materials in Electronics

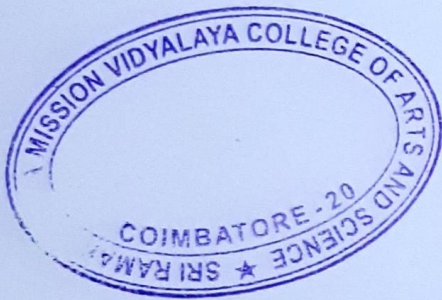
diode application by JNS pyrolysis technique			
Structural, optical, mechanical, thermal, dielectric and laser damage threshold studies of a succinate salt of creatinine for nonlinear optical applications	R.Thirumurugan, B.Babu, K.Anitha, J.Chandrasekaran	Physics	Materials Letters
Growth, physicochemical and quantum chemical investigations on 2-amino 5-chloropyridinium 4-carboxybutanoate – An organic crystal for biological and optoelectronic device applications	B.Babu, J.Chandrasekaran, B.Mohanbabu, Yoshitaka Matsushita, M.Saravanakumar	Physics	RSC Advances
Effect of post-growth annealing on the structural, optical and electrical properties of V2O5 nanorods and its fabrication, characterization of V2O5/p-Si junction diode	N.Senthilkumar, M.SethuRaman, J.Chandrasekaran, R.Priyaa, MurthyChavali, R.Suresh	Physics	Materials Science in Semiconductor Processing
Characterization of jet nebulizer sprayed CdO thin films for solar cell	M.Ramamurthy, M.Balaji, P.Thirunavukkarasu	Physics	Optik – International Journal for Light and Electron Optics
Development and validation HPTLC method for simultaneous estimation of montelukast and theophylline in bulk and pharmaceutical dosage form	M.Sangeetha, C.Mahendran	Physics	Journal of Chemical and Pharmaceutical research
Synthesis, spectral, structural, thermal and optical studies on dimethylammonium 4-nitrobenzoate – an organic charge transfer complex	G. Amirthaganesan G. Dinesh Kumar M. Sethuram	Chemistry	Optik
Ruthenium (III) thiosemicarbazone complexes: synthesis, characterization, DNA binding, antibacterial, in vitro anticancer and antioxidant studies	C. Jayabalakrishnan K. Sampath	Chemistry	DJ Journal of Engineering Chemistry and Fuel
Biological applications and spectroscopic investigations of 4-nitrophenol-urea dimer: A DFT approach	T. Joselin Beaula P.Muthuraja M.Dhandapani I. Hubert Joe V.K.Rastogi V. BenaJothy	Chemistry	Chemistry Physics Letters
Effect of MnCuFe2O4 content on magnetic and dielectric properties of poly (O-Phenylenediamine)/MnCuFe2O4 nanocomposites	A. Muthusamy N. Kannapiran P. Chitra	Chemistry	Journal of Magnetism and Magnetic Materials
Synthesis and Spectral Characterization of Cross Linked Rigid Structured Schiff Base Polymers: Effect of Substituent Position Changes on Optical, Electrical, and Thermal Properties	A. Muthusamy S. Dinesh Kumar	Chemistry	Polymer-Plastics Technology and Engineering
Synthesis, spectral characterization, DNA interaction, radical scavenging and	G. Raja, C. Jayabalakrishnan	Chemistry	Journal of Photochemistry and

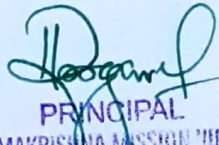
cytotoxicity studies of ruthenium (II) hydrazone complexes	M. Mohanraj G. Ayyannan		Photobiology B: Biology
Mesolite, a Natural Adsorbent, for the Removal of Hexavalent Chromium (VI) From Aqueous Solution	M. Dhandapani L. Vidhya K. Shanthi S. Mahimairaja	Chemistry	Chemical Science Review and Letters
Ruthenium(II) complexes containing 4-methoxybenzhydrazone ligands: synthesis, characterization, DNA binding, DNA cleavage, radical scavenging and in vitro cytotoxic activity	G. Raja, C. Jayabalakrishnan M. Mohanraj G. Ayyannan	Chemistry	Applied Organometallic Chemistry
New palladium(II) hydrazone complexes: Synthesis, structure and biological evaluation	G. Raja, C. Jayabalakrishnan. M. Mohanraj G. Ayyannan N. Bhuvanesh R. Nandhakumar	Chemistry	Journal of Photochemistry and Photobiology B: Biology
Investigation of aggregation induced emission in 4-hydroxy-3-methoxybenzaldehyde azine and polyazine towards application in (opto) electronics: synthesis, characterization, photophysical and electrical properties	A. Muthusamy S. Dinesh Kumar	Chemistry	Designed Monomers and Polymers
Ligand based pharmacophoric modelling and docking of bioactive pyrazolium 3-nitrophthalate (P3NP) on Bacillus subtilis, Aspergillus fumigatus and Aspergillus niger-Computational and Hirshfeld surface analysis	S.Balachandar M.Sethuram P.Muthuraja T.Shanmugavadivu M.Dhandapani	Chemistry	Journal of Photochemistry and Photobiology B Biology
Single crystal X-ray diffraction and Hirshfeld surface analyses of supramolecular assemblies in certain hydrogen bonded heterocyclic organic crystals	M.Sethuram P.Muthuraja T.Shanmugavadivu M.Dhandapani	Chemistry	Journal of Molecular Structure
Synthesis, spectral, thermal, mechanical and structural characterization of NLO active organic salt crystal: 3, 5-Dimethylpyrazolium-3-Nitrophthalate	A. Chandramohan M. Rajkumar	Chemistry	Materials Letters
Design, synthesis, structure and biological evaluation of new palladium(II) hydrazone complexes	G. Raja, C. Jayabalakrishnan M. Mohanraj G. Ayyannan N. Bhuvanesh R. Nandhakumar	Chemistry	Inorganica Chemical Acta
Evaluation of DNA binding, DNA cleavage, protein binding, radical scavenging and in vitro cytotoxic activities of ruthenium (II) complexes containing 2,4-dihydroxy benzylidene ligands	G. Raja, C. Jayabalakrishnan M. Mohanraj G. Ayyannan	Chemistry	Material Science and Engineering: C

Synthesis, characterization, DNA binding, DNA cleavage, antioxidant and in vitro cytotoxicity studies of ruthenium(II) complexes containing hydrazone ligands	G. Raja, C. Jayabalakrishnan M. Mohanraj G. Ayyannan	Chemistry	Journal of Coordination Chemistry
Antibacterial and Antifungal activity from seed extracts of Peganum harmala.	V Mohanraj J Chinnappan	Chemistry	International Journal of Advanced Research, Ideas innovation and Technology
Transition of nanocrystalline In(OH) <sub>3</sub> as spherical Indium Oxide nanoparticles embedded platelets	S. KarthikKannan P. Thirnavukkarasu R. Jayaprakash J. Chandrasekaran V. Mohanraj	Electronics	Materials Science in Semiconductor Processing
Gas sensor properties of surface modification on nebuliser spray coated ZnO nanostructure thin films	K. Dhanakodi P. Thirnavukkarasu A.T. Rajamanickam	Electronics	Materials Technology:Advanced Performance Materials
Studies on the structural, optical and electrical properties of Nb doped TiO <sub>2</sub> nanostructured thin films	K. Dhanakodi P. Thirnavukkarasu A.T. Rajamanickam	Electronics	Journal Of Optoelectronics And Advanced Materials
Voice Broadcasting Based Coal Mine Monitoring and Controlling System with Zigbee and GSM Technology	Karthikeyan Sundarsamy Dr.P.Thirunavukkara su N.Nandakumar Dr.R.Thangavel	Electronics	International Journal of Innovative Research in Science, Engineering and Technology
A Feature Based Framework to Detect Malicious URLs	Dr.A. V.Ramani, N.Jayakanthan	Computer Science	International Journal of Control Theory and Applications
Website Quality Evaluation Based on Search Engine Queries using Web Rank Position Algorithm (WRPA)	Dr.A. V.Ramani, M.Chandran	Computer Science	Indonesian Journal of Electrical Engineering and Computer Science
Ontological based Relevance Abstraction Identification Technique and Evaluation	Dr.A. V.Ramani, J.Yesudoss	Computer Science	Indian Journal of Science and Technology(IJST)
Software Defect Prediction – Taxonomy of Literatures and Research Dimensions.	Dr.A. V.Ramani, M.Jaikumar	Computer Science	International Journal of Engineering Science and Computing
MALICIOUS WEB PAGE DETECTION: A STATE OF ART SURVEY	Dr.A. V.Ramani, N.Jayakanthan	Computer Science	International journal of science technology and management
A Simulation Based Study on Inter-VLAN Routing	S.Somasundaram , M.Chandran	Computer Science	International Journal of Computer



			Sciences and Engineering
A Study On Consumer's Satisfaction Towards DTH Service With Special Reference Towards Coimbatore City	K.Ratheesh kumar	B.Com	International Journal of multidisciplinary research and modern education
A study on work stress among bank employees in State bank of india with reference to coimbatore	K. Suresh Dr. M. Hema Nalini	B.Com	International Journal of Computational Research and Development (IJCRD)
A study on sources of stress for employees in private sector banks	K. Suresh Dr. M. Hema Nalini	B.Com	International Journal of Multidisciplinary Research and Modern Education
Weighted Fuzzy Intelligence System in Knowledge Learning System	V. Uma Maheswari , M.JaiKumar	Computer Applications	International Journal of Advanced Research in Computer and Communication Engineering
Effect of Specific Batting skill Training on Selected Psychomotor Variables on College Level Cricket Players	P. Senthilkumar	Physical Education	International Journal of Physical Education and Yoga



  
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