

INSTITUTE NAME

VV COLLEGE OF ENGINEERING

INDIA RANKING 2018 ID

IR-1-E-E-0-27074

DISCIPLINE

ENGINEERING

PARAMETER

**Major Research Achievements of the College -
Publications (For all the Three years)**

S.No	Name of the Author (s)	Title of the Paper	Name of the Journal/ Conference	Year	IF	SNIP	SJR	Cited by	Journal H-Index
Department of Physics									
2014 - 2015									
1	R. Vettumperumal, S.Kalyanaraman, R.Thangavel	A comparative study of structural, surface morphology and optical properties of Na and Mg codoped ZnO nanocrystalline thin films prepared using sol-gel spin coating technique	Journal of Molecular Structure	2014	1.753	0.751	0.401	15	82
2	R. Vettumperumal, S.Kalyanaraman, R.Thangavel	Effect of Er concentration on Surface Morphology and Optical properties of K doped ZnO sol-gel thin films	Superlattices and Microstructures	2015	2.14	0.994	0.583	15	98
3	R. Vettumperumal, S.Kalyanaraman, R.Thangavel	Optical constants and near infrared emission of Er doped ZnO sol-gel thin films	Journal of Luminescence	2015	2.686	1.14	0.723	13	57
2015 – 2016									
1	V. Usha, S. Kalyanaraman, R. Thangavel, R. Vettumperumal	Effect of catalysts on the synthesis of CuO nanoparticles: Structural and Optical Properties by Sol-Gel method	Superlattices and Microstructures	2015	2.14	0.994	0.583	15	98
2	R.Vettumperumal, S. Kalyanaraman, R. Thangavel	Modification of Orientation, Surface and Optical properties of ZnO films by cesium and erbium codoping using sol-gel method	Journal of Nanoscience and Nanotechnology	2016	1.483	0.49	0.32	---	87

3	N. R. Dhineshbabu, V. Rajendran, N. Nithyavathy, R. Vettumperumal	Study of the structural and optical properties of cupric oxide nanoparticles	Applied Nanoscience	2016	3.325	---	---	---	30
4	R. Vettumperumal , S. Kalyanaraman, B. Santoshkumar, R. Thangavel	Estimation of Electron –Phonon coupling and Urbach energy in Group-I elements doped ZnO Nanoparticles and Thin Films	Materials Research Bulletin	2016	2.446	0.855	0.71	1	87
5	B. Santoshkumar, S. Kalyanaraman, R. Vettumperumal , R. Thangavel, I.V. Kityk, S. Velumani	Structure-dependent anisotropy of the photoinduced optical nonlinearity in calcium doped ZnO nanorods grown by low cost hydrothermal method for photonic device applications	Journal of Alloys and Compounds	2016	3.133	1.321	0.961	11	133
6	R. Vettumperumal , S. Kalyanaraman, R. Thangavel	Sol-gel processed Cs doped ZnO thin films for transparent conductor applications	Journal Advanced Science Engineering and Medicine	2016	---	---	---	1	---
7	N.R. Dinesh Babu, R. Vettumperumal , N.V. Selvam	Study the Optical Properties of Amorphous Silica Nanoparticles from Rice Hull	Journal Advanced Science Engineering and Medicine	2016	---	---	---	---	---
8	K.Rajagopal, G.Roy Richi Renold	Effect of Temperature on the Volumetric, Compressibility and Viscometric Properties of Paracetamol in Aqueous Methanol Solution	International Journal of PharmTech Research	2015	0.689	0.549	0.231	2	35
2016 - 2017									
1	P.N. Selva Kumar	Solution growth and Characterization of a new semi-organic Manganese Tetra Thiourea chloride single crystal	Nature of Scientific Materials	2016	–	–	–	–	--
2	V. Usha, R. Vettumperumal , S. Kalyanaraman, R. Thangavel	Analysis of Linear and Non-linear optical properties of NiO nanoparticles by Sol-Gel method	International Journal of Nanoscience	2017	0.5	0.252	0.185	---	19
3	N. R. Dhineshbabu, R. Vettumperumal , A. Narendrakumar, M. Manimala, R. Rajesh Kanna	Optical Properties of Lanthanum-Doped Copper Spinel Ferrites Nanoparticles for Optoelectronic Applications	Advance Science Engineering and Medicine	2017	---	---	---	---	---

4	R. Vettumperumal, S. Kalyanaraman, R. Thangavel	Effect of Ruthenium concentration on Structural and I – V Characteristics of ZnO thin films by Sol-Gel method	Journal of Molecular and Engineering Materials	2017	---	---	---	---	---
5	V. Usha, S. Kalyanaraman, R. Vettumperumal, R. Thangavel	A study of Frequency Dependent Electrical and dielectric properties of NiO nanoparticles	Physica B	2017	1.386	0.848	0.455	---	85
6	N.R. Dinesh Babu, R. Vettumperumal, N.V. Selvam	Study the Optical Properties of Amorphous Silica Nanoparticles from Rice Hull	Journal Advanced Science Engineering and Medicine	2016	---	---	---	---	---
7	S.Benita Jeba Silviya, A.Moses Ezhil Raj, T.Balu	Synthesis, growth, and spectroscopic studies of nonlinear optical mixed borate crystal	Asian Journal of Research in Social Sciences and Humanities	2016	-	-	-	-	-
8	S.Benita Jeba Silviya, C.K.Mahadevan, T.Balu, A.Moses Ezhil Raj, S. Balakumar	Growth and physicochemical properties of pure and urea doped sodium pentaborate dihydrate single crystals	International Journal of ChemTech Research	2017	0.34	-	-	-	-
9	S.Benita Jeba Silviya, C.K.Mahadevan, T.Balu, A.Moses Ezhil Raj, S. Balakumar	Effect of urea as an impurity on the structural, optical and electrical properties of potassium pentaborate dihydrate single crystals	International Journal of Advanced Engineering Research and Technology	2017	-	-	-	-	-
10	K.Rajagopal, G.Roy Richi Renold	Studies on Volumetric and Viscometric properties of Alanine in aqueous Paracetamol solution over a range of temperature (298.15 to 318.15) K	International Journal of Advance Engineering and Research Development	2017	4.72	--	--	--	13
11	K.Rajagopal, G.Roy Richi Renold, M.Mohamed Roshan	Ultrasonic Studies Of Alanine In Aqueous Paracetamol Solutions At Different Temperatures	Journal of Pharmaceutical Sciences and Research	2017	--	0.391	0.158	--	16
12	K.Rajagopal, G.Roy Richi Renold, M.Mohamed Roshan	Studies on Volumetric and Viscometric Properties of Valine in Aqueous Paracetamol Solution Over a Range of Temperature (298.15 to 318.15) K	International Journal of Pharmaceutical Sciences and Research	2017	2.6	--	--	--	--
13	K.Rajagopal, G.Roy Richi Renold, M.Mohamed Roshan	Ultrasonic Studies of Valine in Aqueous Paracetamol Solutions at Different Temperatures	International Journal Of Scientific & Engineering Research	2017	3.8	--	--	--	35

14	M. Mohamed Roshan, G.Roy Richi Renold	Microscope Supported Measurement Of Exact Volume Of Solutions In Pycnometer To Calculate The Density Of Solutions	International Journal of Advances in Interdisciplinary Research	2017	4.237	--	--	--	--
15	K. Rajagopal, S. Shailajha, M. Mohamed Roshan, G. Roy Richi Renold	Viscosities Of L - Proline And L- Threonine In (0.05, 0.10, 0.15, And 0.20) Mol·kg ⁻¹ Aqueous Metformin Hydrochloride Solutions At Different Temperatures	European Journal of Biomedical and Pharmaceutical sciences	2017	4.382	--	--	--	--
Department of Chemistry									
2014 - 2015									
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2015 – 2016									
1	Bright A, Michlin Ruphina Maragatham S, Malar vizhi I, Selvaraj S	Corrosion behavior of zinc in 1.0 N hydrochloric acid with Cnidoscopus chayamansa – A green approach	International Journal of Recent Scientific Research	2015	6.86	-	-	-	--
2	Jebastin Andrews, SG Mythili, CV	Antibacterial activity of diazotized resins from renewable resource	Journal of Chemical and Pharmaceutical Research	2016	0.2	--	--	--	7
3	Jebastin Andrews, SG Mythili, CV	Synthesis and characterization of some diazotised resins from renewable resource	Asian Journal of Research in Social Sciences and Humanities	2016	--	--	--	--	7
2016 - 2017									
1	A Nixon Thangaraj, C.Ravi Samuel Raj	Enhanced Photocatalyticactivity of Copper doped and C, N, Scodoped TiO ₂ Nanoparticles on Methylene Blue dye under Solar light irradiation	International Journal of ChemTech Research	2017	-	0.391	0.18	-	29
2	A Nixon Thangaraj, C.Ravi Samuel Raj	Photocatalytic Behaviour of Copper Doped and Copper-Thiourea Codoped TiO ₂ Nanoparticles on Rhodamine B Dye Under Solar Light Irradiation	Journal of Chemical and Pharmaceutical Research,	2017	-	-	0.15	-	25
3	Jebastin Andrews, SG Mythili, CV	Synthesis and ageing studies of Interpenetrating Polymer Networks	International Journal of Advanced Engineering Research and Technology	2017	--	--	--	--	--

Department of English

2014-2015

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2015 - 2016

1	J. Saravanan	Learning Place Prepositions through Pictures	Journal of Working Papers on Linguistics and Literature	2015	-	-	-	-	--
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2016 - 2017

1	B. Lakshmikantham	Enigmatic Protagonists as Victims of the Masculine Force in Anita Brookner's Hotel du Lac	The Criterion – An International Journal in English	2016	-	-	-	-	-
2	A. Prakash	Debacle as Leitmotif in Philip Roth's Select Novels	Journal of Recent Trends: Fiction Drama and Media	2016	-	-	-	-	-

Department of Mathematics

2014 - 2015

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2015 – 2016

1	S.Loghambal	Mathematical analysis of the heterogeneous photo-Fenton oxidation of acetic acid on structured catalysts.	Journal of Mathematical Chemistry	2016	1.308	0.67	0.322	-	23
2	S. Maharasi	B(m,n) bi-near rings and their generalization	International Research Journal of pure Algebra	2016	-	-	-	-	--
3	S. Maharasi	Bk(B'k) bi-near rings and their generalization	International Journal of Mathematical Archive	2016	-	-	-	-	--
4	S. Maharasi	Characterization of weak B-regular in Bi-near rings	Global Journal of theoretical and applied mathematical Sciences	2016	-	-	-	-	--
5	S. Maharasi	Strong B(m,n) bi-near rings and their generalization	Imperial Journal of Interdisciplinary Research	2016	-	-	-	-	--
6	S. Maharasi	Structure theorem on B(1,2) bi near-ring	Sohang journal of mathematics	2016	-	-	-	-	--

2016-17

1	S. Maharasi	Characterization of weak Bi-ideals in Bi-near Rings	Imperial Journal of Interdisciplinary Research	2016	-	-	-	-	--
2	S. Maharasi	On Strong Bi-ideals and Weak K-regular in Near Subtraction Semigroup	International Journal: Mathematical Manuscripts	2016	-	-	-	-	--

3	S. Maharasi	On Weak bi-ideals in Near Subtraction Semigroup	International Journal of Current Research	2016	-	-	-	-	--
4	S. Maharasi	On strong B(m,n) near subtraction semigroups	International Journal of Engineering Research	2016	-	-	-	-	--
5	A.J.Agvinos Catherine	Mathematical analysis of the heterogeneous photo-Fenton oxidation of acetic acid on structured catalysts.	Journal of Mathematical Chemistry	2016	1.308	0.67	0.322	-	23
Department of Electronics and Communication Engineering									
2014 - 2015									
1	S. Karthika, K. P. Rathika, D. Devaraj	Fuzzy Logic Based Maximum Power Point Tracking Designed for 10kW Solar Photovoltaic System with Different Membership Functions	World Academy of Science, Engineering and Technology International Journal of Electrical and Computer Engineering	2014	--	--	--	4	19
2	E. Praynlin, P. Latha	Software Effort Estimation Models Using Radial Basis Function Network	World Academy of Science, Engineering & Technology	2014	--	--	--	--	--
3	A sasithradevi, NN singh	synergy of adaptive bacterial foraging algorithm and particle swarm optimization algorithm for image segmentation	International Conference on Circuit, Power and Computing Technologies	2014	--	--	--	--	--
4	J.Vanitha, S.Thilagavathi	Separation of Overlapped Fingerprints for Forensic Applications	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2014	--	--	--	--	--
5	S.Thilagavathi, J.Vanitha	A Survey on TCP Westwood	International Journal of Engineering Science and Innovative Technology	2014	--	--	--	--	--
6	J.L.Jini mary, R.S.Rajesh	Design and Implementation of Low Power Multiternary Digit Adder	International Journal of Research in Engineering & Advanced Technology	2014	--	--	--	--	--
7	NR Dhineshbabu, P Manivasakan, V Rajendran	Hydrophobic and thermal behaviour of nylon 6 nanofibre web deposited on cotton fabric through electrospinning	Micro & Nano Letters	2014	--	--	--	--	--

8	R Palanivelu, V Rajendran, NR Dhineshbabu , T. Palanisamy, S. Balasubramanian	Comparative Study of Addition of Amorphous Nanosilica Particles with Different Grades of Cement Mortar	International Journal of Applied Ceramic Technology	2014	--	--	--	--	--
9	D Sundhari, NR Dhineshbabu , P Manivasakan, S Praveen Kumar, V Rajendran	Study on Optical and Dielectric Properties of BaTiO ₃ /Nylon 6 Nanofibers	Advanced Science, Engineering and Medicine	2014	--	--	--	2	--
10	N. R. Dhineshbabu , S. Arunmetha, P. Manivasakan, G. Karunakaran V. Rajendran	Enhanced functional properties of cotton fabrics using TiO ₂ /SiO ₂ nanocomposites	Journal of Industrial Textile	2014	--	--	--	9	--
11	N. R. Dhineshbabu , P. Manivasakan, A.Karthik V. Rajendran	Hydrophobicity, Flame retradency and antimicrobial properties of cotton fabrics Functionalised with MgO/methyl silicate nanocomposites	RSC Advances	2014	--	--	--	--	--
12	R Palanivelu, V Rajendran, NR Dhineshbabu , T. Palanisamy, S. Balasubramanian	Comparative Study of Addition of Amorphous Nanosilica Particles with Different Grades of Cement Mortar	International Journal of Applied Ceramic Technology	2014	--	--	--	--	--
13	NR Dhineshbabu , G Karunakaran, R Suriyaprabha, P Manivasakan, V Rajendran	Electrospun MgO/Nylon 6 Hybrid Nanofibers for Protective Clothing	Nano-Micro Letters	2014	--	--	--	17	--
14	NR Dhineshbabu , P Manivasakan, P Prabu, N Gobi, NK Palanisamy, V. Rajendran	Development of functional hybrid cotton fabrics by coating with SiO ₂ and ZrO ₂ /SiO ₂ composites	Micro & Nano Letters	2014	--	--	--	1	--

15	V Rajendran, NR Dhineshbabu , RR Kanna, KVIS Kaler	Enhancement of Thermal Stability, Flame Retardancy, and Antimicrobial Properties of Cotton Fabrics Functionalized by Inorganic Nanocomposites	Industrial & Engineering Chemistry Research	2014	--	--	--	10	--
16	K Jothi Ramalingam, NR Dhineshbabu , SR Srither, B Saravanakumar, R Yuvakkumar, V Rajendran	Electrical measurement of PVA/graphene nanofibers for transparent electrode applications	Synthetic Metals	2014	--	--	--	12	--
17	V.Ramanathan , P.K.Ramya Devi sri	Band gap and Field propagation analysis using Photonic crystal	International Journal of Innovative Research in computer & communication Engineering	2015	--	--	--	--	--
18	S. Karthika , K. P. Rathika	Experimental Analysis of Solar PV Characteristics Under Standard Condition	International journal of applied engineering research	2015	--	--	0.15	--	13
19	V.Ramanathan , N.Nanthini	Electromagnetic Field Propagation analysis using Finite Difference Time Domain Method	International Journal of Innovative Research in computer & communication Engineering	2015	--	--	--	--	--
2015 – 2016									
1	I.Jeyaseeli Rashmi, V.S.Prabhin	Impedance response and characterization of nano porous current collector	ICTACT JOURNAL ON MICROELECTRONICS	2016	--	--	--	--	--
2	J.L.Jini Mary B.Sree Devi G.Monica Bell Aseer	Performance Evaluation of Adaptive Filters for Noise Cancellation	International Journal of Engineering Research and General Science	2016	--	--	--	--	--
3	B. Ramani, M. P. Actlin Jeeva , P. Vijayalakshmi, T. Nagarajan	A multi-level GMM- based cross-lingual voice conversion using language-specific mixture weights for polyglot synthesis	Circuits, Systems and Signal Processing	2016	1.694	1.004	0.563	2	38
4	V.Ramanathan	Comparative study on Optical computing using photonic crystal simulation and Micro ring resonators	Journal of Technological Advances & Scientific Research	2016	--	--	--	--	--

5	Sasithradevi. A, S. Md. Mansoor Roomi, R. Raja	Non subsampled contourlet transform based shot boundary detection in videos	International journal of control theory and applications	2016	--	--	0.17	1	9
2016 – 2017									
1	M. Augusta Angel, A. Narendrakumar	Improving System Performance by Using Prefix adders in RNS	ICTACT Journal on Microelectronics	2016	--	--	--	--	--
2	J.L.Jini Mary B.Sree Devi G.Monica Bell Aseer	Comparative Analysis of Direct Sequence Spread Spectrum using Rabbit Stream Cipher	International Journal of Advanced Research in Electronics and Communication Engineering	2016	--	--	--	--	--
3	M. P. Actlin Jeeva, T. Nagarajan, P. Vijayalakshmi	DCT derived spectrum-based speech enhancement algorithm using temporal-domain multiband filtering	IET Signal Processing	2016	1.298	1	0.458	--	28
4	K. Jeyasubramanian, V.S. Prabhin, G.S. Hikku, A.V.M. Preethi.	Investigation of super-capacitive nature of reduced graphene oxide nano mesh grown over 18 k gold foil using wings of Parides iphidamas as biological template	Materials Research Bulletin	2017	2.44	0.855	0.71	-	87
5	V.S.Prabhin, K.Jeyasubramanian, N.R.Romulus, N.N. Singh	Fabrication of dye sensitized solar cell using chemically tuned CuO nanoparticles prepared by sol-gel method	Archives of Materials Science and Engineering	2017	-	0.444	0.247	-	15
6	Augusta Angel. M. Julie Antony Roselin. J Poorna Lekha. S	Hardware based high speed network security system	International Journal of Engineering Research and General Science	2017	--	--	--	--	--
7	S. Karthika, K. P. Rathika, D. Devaraj	Development of Fuzzy Logic- Based Control Strategy for MPPT for Solar Photovoltaic System under Varying Irradiation, Temperature and Load Condition	International Journal for Modern Trends in Science and Technology	2017	3.14	--	--	--	--
8	S. Karthika, K. P. Rathika, D. Devaraj	Evaluation of GA Tuned PI Controller for Maximum Power Point Tracking for Solar PV System under Partially Shaded Conditions based on Two Diode Model	Middle-East Journal of Scientific Research	2017	--	--	0.14	--	26

Department of Computer Science and Engineering

2016 - 2017

1	I.Muthulakshmi	Spatial Object Detection and Recognition on Satellite Images Using Prior Knowledge	Asian Journal of Information Technology	2016	1.2	--	0.12	--	5
		Feed Forward Back Propagation Artificial Neural Network Based Faulty switch Identification of the Three Phase Three Level converter Based drive for the Three phase induction Motor	Asian Journal of Information Technology	2016	1.2	--	0.12	--	5
2	A.S.Radhamani	Performance Analysis of Homogeneous and Heterogeneous Multicore processor using Static and Dynamic Schedulers, Asian Journal of Information Technology	Asian Journal of Information Technology	2016	1.2	--	0.12	--	5
3	S.Raja Ratna	Scrutiny of unruly and abuse in wireless networks to mitigate physical layer threats using discriminate-based misbehavior prevention	Cluster Computing, Springer,	2016	1.51	1.513	0.564	--	27
4	S.Anantha Babu	Lossless Compression Algorithm Using Improved RLC for Grayscale Image	Arabian Journal for Science and Engineering (Springer)	2016	0.865	0.657	0.29	--	24

Department of Electrical & Electronics Engineering

2014 - 2015

1	M. S. Sivagama Sundari P. Melba Mary	Artificial Neural Network based Optimized Harmonic Stepped Waveform Technique for Cascaded H-Bridge Eleven Level Inverter	Asian Journal of Information Technology	2014	--	--	0.12	--	--
2	M. S. Sivagama Sundari P. Melba Mary	Sinusoidal PWM based Cascaded H-Bridge Five level Inverter using fuzzy logic controller	Journal of Applied Sciences	2014	--	--	0.11	--	--
3	M. S. Sivagama Sundari P. Melba Mary	Analysis and Simulation of Single Phase Cascaded H-Bridge Multilevel Inverter using Multicarrier PWM for Photovoltaic System	Research Journal of Applied Sciences	2014	--	--	0.26	--	--
4	M. S. Sivagama Sundari P. Melba Mary	Control of Cascaded H-Bridge Multilevel Inverter in different levels using fuzzy logic controller	International Journal of Soft Computing	2014	--	--	0.137	--	--

5	M. S. Sivagama Sundari P. Melba Mary	Cascaded H-Bridge Multilevel Inverter for grid connected PV System using PSO Algorithm	International journal of applied Engineering Research	2015	--	--	0.15	--	--
6	M. S. Sivagama Sundari P. Melba Mary	Harmonic Elimination control of a Cascaded H-Bridge Eleven level inverter employing PI and Fuzzy controller	International journal of applied Engineering Research	2015	--	--	0.15	--	--
7	M. S. Sivagama Sundari P. Melba Mary	Selective Harmonic Elimination based Cascaded H-Bridge Eleven level inverter using Particle Swarm optimization technique	International Journal of Soft Computing	2015	--	--	0.137	--	--
8	Rajan.V.R, K.selvi	Dynamic Performance Analysis of AC Drive Using PI and Neural Controller with SVPWM Technique	International Journal of Applied Engineering Research	2015	--	--	--	--	--
9	P.Rathika, M.Jebastin	PI Controller Based Shunt Active Filter for Harmonic Reduction	International Journal of Electrical Power System and Technology	2015	--	--	--	--	--
10	P.Rathika, D. Devaraj S.Karthika	Fuzzy Logic Based Maximum Power Point Tracking Designed for 10kW solar Photovoltaic System with Different Membership Functions	International Journal of Electrical, Computer, Energetic, Electronics and Communication Engineering	2014	--	--	--	4	19
11	C.K. Aravind, G. Saravana Ilango, C. Nagamani	A Smooth Coordination Control for a Hybrid Atonomous Power System (HAPS) with Battery Energy Storage	International Journal Of Frontier in Energy	2015	--	--	--	--	--
12	C.K. Aravind, G. Saravana Ilango, C. Nagamani, M.Jaya Bharatha Reddy	A Control Strategy for Hybrid Atonomous Power System with a Battery Management Scheme (BSM)	International Journal of Electric Power Components and Systems	2015	--	--	--	--	--
13	C.K. Aravind, G. Saravana Ilango, C. Nagamani	An Energy-efficient Switching Scheme with Reduced Switching Transients for a Wind-driven Induction Generator	International Journal of Electric Power Components and Systems	2014	--	--	--	--	--

2015 – 2016

1	M. S. Sivagama Sundari P. Melba Mary	Cascaded H-Bridge five level Inverter for grid connected PV System using PI Controller	Measurement and control	2016	0.772	--	0.17	2	--
2	P.Rathika, M.Jebastin	Hysteresis Current Controller for Harmonic Reduction in Grid Connected Solar PV System	International Journal of Advances in natural and Applied Sciences	2016	--	--	--	--	16
3	P.Rathika, D. Devaraj G. Bharatha Sreeja	Identification of Breast Tumours by Wavelet Based Adaptive Windowing technique with Statistical Features Using back Propagation Neural Networks	International Journal of Engineering and Future Technology,	2016	--	--	--	--	13
4	P.Rathika, A.Aysha, C.Mahalakshmi, S.Karthika	Experimental Analysis of Solar PV Characteristics Under Standard Condition	International Journal of Applied Engineering Research	2015	--	--	--	--	13

2016 - 2017

1	M. S. Sivagama Sundari P. Melba Mary	Cascaded H-Bridge five level Inverter for grid connected PV System using PID Controller	Journal of semiconductor technology and science	2016	2.305	--	--	1	--
2	M. S. Sivagama Sundari P. Melba Mary	Real Time Implementation of PI and PID Controlled Cascaded H-Bridge Eleven Level Inverter using SPWM	Informacije MIDEM – Journal of Microelectronics, Electronic Components and Materials	2016	0.478	0.48	0.178	0	--
3	P.Rathika, D. Devaraj S.Karthika	Development of Fuzzy Logic- Based Control Strategy for MPPT for Solar Photovoltaic System under Varying Irradiation, Temperature and Load Conditions	International Journal for Modern Trends in Science and Technology	2017	--	--	--	--	--
4	S. Karthika, P. Rathika, D. Devaraj	Evaluation of GA Tuned PI Controller for Maximum Power Point Tracking for Solar PV System under Partially Shaded Conditions based on Two Diode Model	Middle-East Journal of Scientific Research	2017	--	--	0.14	--	26

Department of Civil Engineering

2014 – 2015

1	M.Murugan, C.Natarajan K.Muthukkumaran,	Experimental Investigation On Gfrp Strengthened Rc Piles Under Lateral Loads	International Journal of Forensic Engineering	2014	-	-	-	-	-
2	M.Murugan, C.Natarajan K.Muthukkumaran,	Flexural behavior of concrete prisms confined with frp composites	International Journal of Construction Materials and Structures	2014	-	-	-	-	-
3	I.Lavanya, R.Prabha, M.Murugan,	Behaviour of interfaces between carbon fibre reinforced polymer and gravel soils	International Journal of Research in Engineering and Technology	2014	-	-	-	-	-
4	S.Karthiga Nambi, R.Saravanya, M.Murugan	Estimating the shear modulus of soils based on surface roughness	International Journal of Research in Engineering and Technology	2014	-	-	-	-	-
5	M.Murugan, C.Natarajan, K.Muthukkumaran	Short-term durability test on compressive behavior of concrete cylinders confined with frp composites under various environmental conditions	International Journal of Earth Sciences and Engineering	2014	0.042	-	0.17	-	6
6	M.Murugan, C.Natarajan, K.Muthukkumaran	Experimental study of the behaviour of interfaces between gravel soils and concrete surfaces	International Journal of Earth Sciences and Engineering	2014	0.042	-	0.17	-	6
7	Rajaveni, S. P, Indu S. Nair, Elango, L.	Application of remote sensing and GIS techniques for estimation of seasonal groundwater abstraction at Arani-Kosathalaiyar river basin, Chennai, Tamil Nadu, India.	International Journal of Earth Sciences and Engineering,	2014	0.042	-	0.17	-	6

2015 – 2016

1	M.Murugan, V.Jeyanthi Vineetha,	Behaviour Of Interfaces Between Glass Fibre Reinforced Polymers And Sandy Soils	International Journal of Applied Engineering Research	2015	-	-	-	-	-
2	M.Murugan, V.Jeyanthi Vineetha,	Experimental study of the behaviour of interfaces between carbon fibre reinforced polymers and sandy soils	International Journal of Applied Engineering Research	2015	-	-	-	-	-
3	V.Jeyanthi Vineetha, M.Murugan	Experimental study of the behaviour of interfaces between glass fibre reinforced polymers and gravel soils	International Journal of Applied Engineering Research	2015	-	-	-	-	-

4	M.Murugan, C.Natarajan and K.Muthukkumaran,	Tensile behavior of concrete specimens confined with glass and carbon fibre reinforced polymers	International Journal of Applied Engineering Research	2015	-	-	-	-	-
5	S.Subbulakshmi M.Murugan,	Interface behavior between earthen pavement and vehicle tyre	International Journal of Applied Engineering Research	2015	-	-	-	-	-
6	R.Dhanalakshmi, M.Murugan	Interface behavior between flexible pavement and vehicle tyre	International Journal of Applied Engineering Research	2015	-	-	-	-	-
7	R.Prabha, M.Murugan	Interface behavior between vehicle tyre and pavement materials	International Journal of Applied Engineering Research	2015	-	-	-	-	-
8	M.Murugan, C.Natarajan, K.Muthukkumaran,	Non-dimensional solutions for vertical piles subjected to lateral loads	International Journal of Applied Engineering Research	2015	-	-	-	-	-
9	M.Murugan, C.Natarajan, K.Muthukkumaran,	Stiffness degradation and energy dissipation of rc piles subjected to cyclic lateral loading	International Journal of Applied Engineering Research	2015	-	-	-	-	-
10	Rajaveni, S. P, Brindha, K, Rajesh, R. Elango, L	Spatial and temporal variation of groundwater level and its relation to drainage and intrusive rocks in a part of Nalgonda District, Andhra Pradesh, India.	Journal of the Indian Society of Remote Sensing,	2015	0.725	0.661	0.327	3	16
11	Rajaveni, S. P, Indu S. Nair, Elango, L	Finite element modelling of groundwater flow in a heavily pumped coastal alluvial aquifer for assessment of management options.	Hydrology Research	2015	-	-	-	-	-
12	Indu S. Nair, Rajaveni, S. P, Michael Schneider, Elango, L.	Geochemical and isotopic signatures for the identification of seawater intrusion in an alluvial aquifer	Journal of Earth System Science.	2015	0.955	0.962	0.434	-	21
13	Rajaveni, S. P, Brindha, K Elango, L.	Geological and geomorphological controls on groundwater occurrence in a hard rock region	Applied Water Science	2015	-	-	0.125	-	21

Department of Mechanical Engineering

2014 - 2015

1	Saravanan, A. Elaya Perumal, S.C. Vettivel , N. Selvakumar, A. Baradeswaran	Optimizing wear behavior of TiN coated SS 316L against Ti alloy using Response Surface Methodology	Materials and Design	2014	4.364	2.481	1.751	36	-
2	A. Baradeswaran, S.C. Vettivel , A. Elaya Perumal, N. Selvakumar, R. Franklin Issac	Experimental investigation on mechanical behaviour, modelling and optimization of wear parameters of B4C and graphite reinforced aluminium hybrid composites	Materials and Design	2014	4.364	2.481	1.751	66	-
3	S. Suresh, N.Shenbaga Vinayaga Moorthi, S.C.Vettivel , N.Selvakumar, G.R. Jinu	Effect of graphite addition on mechanical behavior of Al6061/TiB2 hybrid composite using acoustic emission	Materials Science & Engineering A	2014	3.242	1.832	1.666	18	-
4	N. Leema, P. Radha, S.C. Vettivel , H. Khanna Nehemiah	Characterization, pore size measurement and wear model of a sintered Cu–W nano composite using radial basis functional neural network	Materials and Design	2014	4.364	2.481	1.751	11	-
5	C.M. Anand Partheeban, M. Rajendran, S.C. Vettivel , S. Suresh, N.S.V. Moorthi	Mechanical behavior and failure analysis using online acoustic emission on nano-graphite reinforced Al6061–10TiB2 hybrid composite using powder metallurgy	Materials Science & Engineering A	2015	3.242	1.832	1.666	8	-
6	K. Ravi Kumar S. C. Vettivel	Effect of parameters on grinding forces and energy while grinding Al (A356)/SiC composites	Tribology	2014	-	-	-	1	-
7	S. Suresh, N. Shenbaga Vinayaga Moorthi, N. Selvakumar, S. C. Vettivel	Tribological, Tensile And Hardness Behavior of Tib2 Reinforced Aluminium Metal Matrix Composite	Journal of the Balkan Tribological Association	2015	0.266	-	-	6	-

8	C. M. Anand partheeban, M. Rajendran, S. C. Vettivel , S. Sureshd J. Bensam Raje	Wear behavior of nano graphite reinforced Al6061-10TiB2 hybrid composite using powder metallurgy	International Journal of Applied Engineering Research	2015	-	-	-	-	-
9	S. Suresh, N. Shenbaga Vinayaga Moorthi, S.C. Vettivel , N. Selvakumar	Mechanical behavior and wear prediction of stir cast Al-TiB2 composites using response surface methodology	Materials and Design	2015	4.364	2.481	1.751	47	-
10	S.Indrana R.Edwin Raja V.S.Sreenivasan	Characterization of new natural cellulosic fiber from Cissus quadrangularis root	Carbohydrate Polymers	2014	4.811	1.745	1.404	39	-
11	J.Sunil	Heat Transfer Study on Car Radiator by Applying Copper-Ethylene glycol and water mixture	International Journal of Applied Engineering Research	2015	0.18		0.149		13
2015 – 2016									
1	V.S. Sreenivasan , N. Rajini, A. Alavudeen, V. Arumugaprabu	Dynamic mechanical and thermo-gravimetric analysis of Sansevieria cylindrica/polyester composite: Effect of fiber length, fiber loading and chemical treatment	Composites: Part B	2015	4.727	2.294	2.05	15	-
2	K Mayandi, N Rajini, P Pitchipoo, VS Sreenivasan , JT Winowlin Jappes A Alavudeen	A comparative study on characterisations of Cissus quadrangularis and Phoenix reclinata natural fibres	Journal of Reinforced Plastics and Composites	2015	1.086	-	-	9	-
3	C Bennet, N Rajini, JT Winowlin Jappes, I Siva, VS Sreenivasan , SC Amico	Effect of the stacking sequence on vibrational behavior of Sansevieria cylindrica/coconut sheath polyester hybrid composites	Journal of Reinforced Plastics and Composites	2015	1.086	-	-	3	-
4	I. Balasubramanian , R. Maheswaran	Effect of inclusion of SiC particulates on the mechanical resistance behaviour of stir-cast AA6063/SiC composites	Materials and Design	2015	4.364	2.481	1.751	20	-

5	Abhilash Viswanath, H. Dieringa, K.K. Ajith Kumar , U.T.S. Pillai, B.C. Pai	Investigation on mechanical properties and creep behavior of stir cast AZ91-SiCp composites	Journal of Magnesium and Alloys	2015	-	-	-	6	-
6	P. Peter Anand Kumar , R.Maheswaran	Ant colony algorithm to optimize cutting conditions and selective assembly to improve assembly precision	Revista Tecnica De La Facultad De Ingenieria Universidad Del Zulia	2015	0.109	0.27	0.118	-	-
7	J.Sunil , R.Maheswaran, R.A.Arul Raja	Heat Transfer Study on Car Radiator by Applying Copper-Ethylene glycol and water mixture	International Journal of Applied Engineering Research	2015	-	-	-	-	-
8	1Pravin Tamil selvan.C, 2Esakki Raj.E.S	Design Of Four Bar Mechanism For Automatic Feeding And Punching Machine Setup	International Journal of Applied Engineering Research	2015	-	-	-	-	-
9	J.Godwin , Z.Edward Kennedy, Zubaida kathoon Bee	Optimization of machining parameters in Al-Ti composite developed using stir casting	International Journal of Applied Engineering Research	2015	-	-	-	-	-
10	Simon Christopher A	Computer Aided Design And Numerical Analysis Of Involute Spur Gear – A Novel Study By Fea	Journal of Manufacturing Engineering	2014	-	-	-	-	-
11	M. S. Starvin, K. Manisekar, A. Simon Christopher , K. Selvakumar	A New Stable Numerical Method To Find The Change In Angle Of Contact In Angular Contact Ball Bearing Subject To Thrust Load	Journal of the Balkan Tribological Association	2015	0.266	-	-	-	-
12	Austin N, Diaz P M, D S. Manoj Abraham Kanthavelkumaran N	Environment Friendly Mixed Refrigerant to Replace R-134a in a VCR System with Exergy Analysis	Advanced Materials Research	2015	-	-	-	1	-
13	C .Ramesh kannan, P.Padmanabhan	A Review of Tool wear using cryogenically treated cutting tool insert in turning process	International Journal of Applied Engineering Research	2015	-	-	-	-	-
14	P. Padmanabhan , A. Arul Brirro Raj, R.Srinivasan, G. Ebenezer, R. Sivaram	Developing an Empirical Model for Dry Sliding Wear Behaviour of AISI 1040 Steel Using Curve Fitting Technique	International Journal of Applied Engineering Research	2015	-	-	-	-	-

15	C .Ramesh kannan, P.Viswabharathy, P.Padmanabhan,	Experimental Investigation Of Tool Wear On Cutting Tool Insert During Turning Of Glass Fiber Reinforced Plastics	International Journal of Applied Engineering Research	2015	-	-	-	-	-
16	C .Ramesh kannan, K.G.Pon Ruby, P.Padmanabhan	Experimental Investigation Of Tool Wear In Milling Of Duplex 2205 Stainless Steel	International Journal of Applied Engineering Research	2015	-	-	-	-	-
17	S. Baskaran, S. Venkadesh	Exergy Analysis In Ic Engine Using Diesel Blends As A Fuel	International Journal of Applied Engineering Research	2015	-	-	-	-	-
2016 – 2017									
1	G. Pradeep Dev, P. Sam Livingston, M. Shunmuganathan, R. Surendar, A. Siva Subramanian, A. Simon Christopher, K. C. Ganesh	Analysis of 6061 Aluminium Alloy Sheet Metal Bending Process for Various Thickness Using Finite Element Modelling	International Journal of Theoretical and Applied Mathematics	2016	--	--	--	--	--
2	J. Sunil	Effect of nano sized garnet particles dispersion on the viscous behavior of extreme	Journal of Molecular Liquids	2016	3.648	1.212	0.718	3	61
3	J. Sunil	Synthesis and gravity driven sedimentation study on ZnS-gear lubricant oil nanofluids for gear lubricant applications	International Journal of Chemical Sciences	2016	0.6	--	0.229	--	10
4	J. Rajakumar, M. Sheik Ibrahim Bathusa, N. Pothivel Rajan, K. Sulaiman, A. Simon Christopher, K. C. Ganesh	Numerical Investigation of Heat Transfer Behaviour During TIG Welding of Stainless Steel Pipes for Various Welding Heat Input Conditions	American Journal of Mechanical and Industrial Engineering	2017	--	--	--	--	--
5	A.Benham, K.K.Ajithkumar, M.Satha siva pandian, C.Stanley Golden Paul	The effect of the addition of SiCp on the mechanical behaviour of Silane treated epoxy and polyester composites reinforced with unidirectional carbon fiber fabric	Journal of Advances in Chemistry	2017	2.115	--	--	--	--

6	S.C.Vettivel, R.Jegan, J.Vignesh, S.Suresh	Surface characteristics and wear depth profile of the TiN,TiAlN and AlCrN coated stainless steel in dry sliding wear condition	Journal of surfaces and interfaces	2017	--	--	--	4	--
7	Iyyadurai Balasubramanian. Rathinam Maheswaran, Ranganath M Singari, S. Velayutha	A Study on Surface Roughness and Cutting Width for Circular Contour Machining of Stir Cast AA6063/SiC Composites in WEDM	Journal of Advances in Chemistry	2017	--	--	--	--	--
8	Iyyadurai Balasubramanian. Rathinam Maheswaran S. Velayutha Ganesh	Multiple performance Characteristics Optimization of Wire Electric Discharge Machine Setting Parameters for Stir Cast AA6063/SiC Composites in WEDM	Asian Journal of Research in Social Sciences and Humanities	2017	--	--	--	--	--